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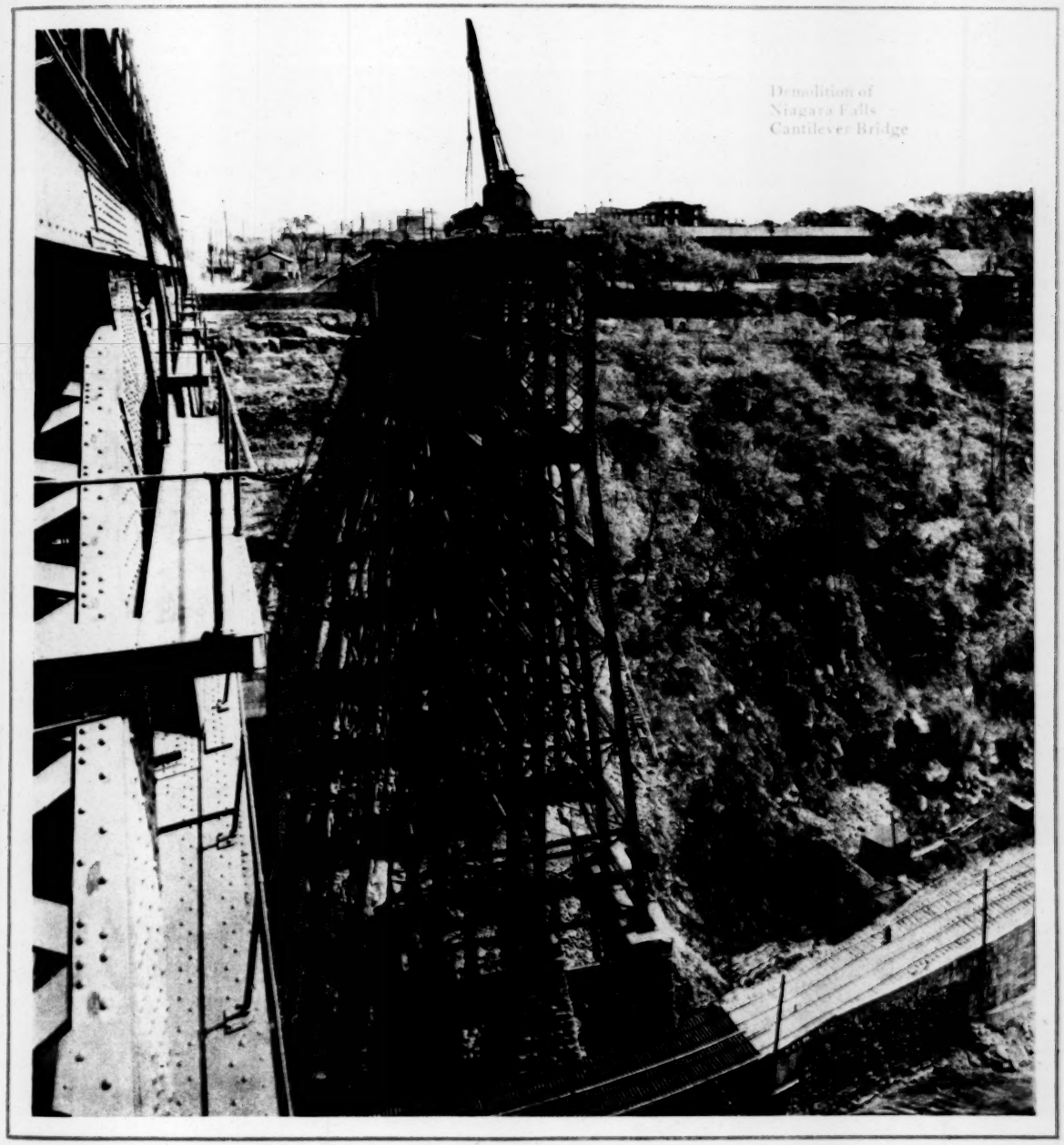

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ENGINEERING NEWS-RECORD

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DEVOTED TO CIVIL ENGINEERING AND CONTRACTING

FRANK C. WIGHT
Editor

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Another Milestone

MANY men who still consider themselves young remember when *fin de siècle* was the current slang for up-to-date. To them it comes as a shock that the new century that succeeded the old whose end was thus accented has passed its quarter point. The much heralded Twentieth Century is no longer an infant; its twenty-five years are crowded with a history that surpasses the roseate predictions at its birth. Beginnings have been made in the control of matter which bid fair to change the whole life of man. We can now fly, not too securely but assuredly; we transmit words and thoughts through the air to whomsoever cares to listen; we travel cheaply and swiftly each in his own conveyance. All this these twenty-five years have seen born of man's mechanical genius. But this constructive urge has been belittled in social importance by the destructive conflict that swept across the middle sixth of this great period. In the long run radio, the airplane and the automobile will jog the sweeping curve of history much more sharply than will the Great War, but for the present their effects seem commonplace beside the aftermath of war. But wars, even the greatest of them, leave only scars on the human race. The upward trend of man is forced, in spite of them, by man's own insatiate curiosity about the laws of nature.

City Housing and Transportation

EQUILIBRIUM in city housing and transportation is an ideal regarded as possible or hopelessly impossible according to one's degree of optimism. This reflection springs from a consideration of the recent announcement of a large housing project to occupy four blocks horizontally and twenty to thirty stories vertically in the middle of the East Side of Manhattan Borough, New York City, with a frontage on a little height of land on the East River. Prominent among the merits claimed for the project is that it will help restore that equilibrium in housing and transportation so notably lacking in New York and only less so in many other large cities which results in huge reverse long-distance movements of population morning and night. The location of the new housing project is within easy walking distance of the mid-Manhattan business center development of the last decade or two, and thus—if utilized by such of the workers in that section as can pay a yearly rental of $500 a room—would lessen the north-and-south traffic congestion. The fact that the "Tudor City" project is designed to meet the needs and purses of the well-to-do should not cause those more interested in the masses of people of less rent-paying capacity to scorn "Tudor City." Those who can pay for its accommodations have a right to them. For those who cannot there are other possibilities. Between the skyscrapers of the new mid-Manhattan and the older downtown sections are "blighted districts" of large area which were passed by in the rapid march of business upward—skyward and northerly along Broadway, with recent expansion east and west from the Pennsylvania and Grand Central stations. Humbler large-scale housing projects within walking distance of Wall St. and the City Hall and sections farther north along the Broadway axis await reclamation. For the 10,000 of "Tudor City" many units of like size with lower rentals could be provided farther downtown with material relief to subway and other means of transportation. In other congested cities the same general principle, with adaptations to local conditions, could be put into practice with beneficial results.

An A.G.C. Duty

TWO meetings of importance to constructors will be held during the coming month. Illogically enough they are to be on corresponding dates and the width of a continent apart. At Portland, Ore., the Associated General Contractors will consider a program of committee reports and addresses relating largely to the business of contracting. At New York members of the American Society of Civil Engineers will organize a construction division of the society and may in some measure outline a program of activity. With the new division of construction of the American Society, a situation will be created in the organization of constructors which requires foresighted planning. It is not the purpose here to discuss possibilities or to propose a plan. The matter to be urged is that at their meeting in Portland the general contractors should arrive at some conclusion as to the logical parts the two organizations can coordinately take in their common purpose of advancing construction practice. It is not businesslike, and the Associated General Contractors is a body of business men, to allow the activities of the two organizations to drift into such adjustment as may happen. These activities must be arranged according to a constructive plan of separate and joint undertakings. The foundation of such a plan, at least in its general characteristics, is a duty of the Associated General Contratcors at their Portland convention. If it accomplishes no more than to provide a basis for discussion in working out an accepted plan, it will have been worth the effort.

More Pay for City's Engineers

ENGINEERING employees of our larger cities are proceeding in a dignified and orderly way in their campaign for a better salary schedule for government engineering work. The movement in the two largest cities has grown to include representatives of many of the employees of the next lowest in population and the extension still further down the scale may be expected. It might be thought that the campaign could be conducted by one of the existing engineering societies, but it is probably just as well to let the movement go ahead as it is started, for those who are back of it are actuated by a single purpose and can therefore concentrate their

efforts. Part of these efforts, however, should be directed toward the national societies, for they have a certain influence that the city engineering employees can not afford to neglect. Just at present the important thing is to arouse the engineering staffs of all of the cities to the necessity for courageous co-operative effort in each city. Later can come the group drive for recognition. Meanwhile all of those back of the movement may heed the warning of one of the high salaried engineers at the New York meeting two weeks ago, that it is much more important that the $1,500 to $3,000 engineer get a 25 per cent increase than that the $12,000 engineering executive be raised to $20,000.

San Francisco Bay Bridges

FOR the second time this year and the third time in four years the War Department has held a series of public hearings on San Francisco Bay bridges. This time the primary purpose was to receive evidence on the question of whether the rulings previously announced by the War Department should now be modified. Despite that clearly announced purpose, representatives of firms or individuals were present to speak for or urge approval of thirteen schemes for bay crossings, some of them brand new, all different in character and located at various points along the 6-mile waterfront between Telegraph Hill and Hunter's Point. A news report of the hearings, together with a tabulation of characteristic features of the thirteen crossings discussed, is printed on p. 1086 of this issue. The proposed Golden Gate bridge, for which a bridge district is now being organized, is in no wise involved in the present discussion, which has to do with bridges between San Francisco and the east side of the bay.

At this hearing there were even more opinions as to what War Department rulings would now be proper than were proposed crossings. The Navy and shipping interests were frankly against anything that might interfere with shipping; communities (excepting only Oakland) and civic organizations on both sides of the bay came as near to demanding a bridge as they could in a formal hearing; a bridge was shown to be urgently needed by intrastate auto traffic; several cities offered new rulings that the War Department was urged to adopt; each proponent favored rulings in accord with the requirements of the crossing proposed; J. V. Davies said that "to withhold approval of some feasible crossing on San Francisco Bay would be a stifling of the port of San Francisco in its foreign and domestic commerce," and representatives of the city of Oakland, standing alone among East Bay cities, were "unalterably opposed" to any bridge terminating on their waterfront, which they fondly expect to become "the greatest port on the Pacific Coast." The foregoing gives some idea of the jumble of conflicting demands and suggestions that are now before the War Department awaiting decision as to what will and what will not be approved.

There is a background of fundamentals, as usual, that affect all this: No location for the bridge that will not still be satisfactory twenty-five years hence is an acceptable location. The proponents of particular structures thus far have been partial, not to say prejudiced. No comprehensive, comparative study of locations and types of structures has been made. It must not be forgotten that the only direction in which San Francisco can grow and expand is southward, along the Peninsula. Finally, private capital will not and public money should not be put into any structure whose cost is so great as to impose an interest burden far beyond that justified by the traffic for many years to come.

When the War Department has reached its decision on the data now in hand, which decision can not, of course, endorse one of the specific plans but can only lay down a general basis of approval, the cities and counties which must make the final decision as to franchise for a specific bridge should get the best engineering advice available on the *comparative* advantages of the various locations and schemes under consideration. Bridging San Francisco Bay may seem a grandiose dream, but there is a persistent and growing interest in realizing the dream. The cost of such a bridge might easily exceed that of any bridge yet built in this country. The franchise granting bodies will need the best engineering advice they can obtain.

Developing an Engineering Science

IN CONCLUDING a review of his researches in soil mechanics Dr. Charles Terzaghi presents in this issue a budget of the developments that are primarily needed in order to make the science of soils a useful guide in practical engineering operations. It is a suggestive statement, adapted to stimulate thought in remarkable degree and to set in motion far-reaching investigative study.

His reference to the importance of establishing a basis for comparison of soils is particularly appealing. Our present-day art has the weakness that when the engineer undertakes to apply his observation of the behavior of one particular clay or sand soil to an apparently similar soil elsewhere he becomes involved in serious uncertainty. The second soil may be closely like the first in appearance, softness, uniformity, smoothness, plasticity or grittiness, and other properties, and yet may be quite different in its behavior under a foundation or in a trench or tunnel. Whether the two soils are of like or unlike geological origin, or have the same chemical makeup, is not necessarily significant with respect to their action under physical forces. To determine this we have to know the primary forms of physical action of soils, and the factors of makeup on which their physical behavior depends. By the help of such knowledge it will be possible not only to compare but later also to classify soils and soil types.

Early realization of this possibility depends on large-scale co-operative work by engineers and testing men. Civil engineers are already enlisted in practical soil study through several agencies. Of these, the Foundation Soils committee of the American Society of Civil Engineers is a well qualified means for bringing together and analyzing the data of soil quality. The valuable work done by this committee in its past history clears the way for undertaking this task as a new service.

The soil studies covered by the articles now concluded deal only with homogeneous soils. Such soils are of rather limited occurrence. Pure clays and sands of compact texture are the exception rather than the rule. A clay stratum, however pure and compact, does not often extend more than a few feet in thickness without lamination, parting by interposed layers, or gradual change in constitution, and even sand deposits

do not maintain uniform character for any great depth. But quite apart from such structural variation, we are more largely concerned with soils of mixed type, as loam, hardpan, sand-clay-gravel mixtures, and sands lubricated with a small content of fine material, than with single-component soils. If the mechanics of foundations and pipe trenches, of levees or of railway embankments are to become matters of precise reasoning and possibly computation it will be necessary to learn at least as much about the physical action of mixed soils as Dr. Terzaghi has developed in relation to pure soils.

Some time ago we took occasion to point out that a very broad field for investigation in soils awaits the trained research worker, a much more extensive field than one man or a few men will be able to encompass in a reasonable time. What has just been said as to mixed soils emphasizes the magnitude of the opportunity. There is room for all the workers whose interest and desire for discovery may be awakened by the evident potentialities of the new subject.

In this sense, indeed, the work so far done is only a first exploration of the field, telling of great promise and preparing for the more directly fruitful work of subsequent surveys. Such limitation may seem ungracious and unappreciative of Dr. Terzaghi's patient labors, but only to those who in using the simple but highly evolved technic of modern engineering science forget the basic contributions made by the founders of the science—such as discovery of the fundamentals of beam action or of the flow of water. The work he has accomplished in the field of soil mechanics is nothing short of epoch-making, and it can lose nothing of its brilliance and importance through recognition of the need for an even larger amount of further work.

Much Ado About an Election

EXPERIENCE with the direct primary nomination of officers of the American Society of Civil Engineers has evidently not been as productive of advantages as was thought when the revolt against the elected nominating committee brought about the present system four years ago, for three mutually exclusive amendments to the constitution each looking toward another reform are before the society. This is not to be wondered at, for the present system is clumsy and expensive, productive of elaborate and distasteful electioneering and with no apparent compensation in the way of more representative officers. That three separate groups of more than thirty members each should have felt called upon to propose a reform is sufficient evidence that the change has not been satisfactory.

The mere submission of an amendment is not sufficient reason for its adoption and when three conflicting amendments are proposed the bewildered member who is asked to vote upon them is justified in asking himself for some explanation of each one and some arguments against the proposed substitutes. It is doubtful if sufficient time will be available at the annual meeting for any such discussion, and even if there is, that meeting will be followed by a flood of printed matter in defence of each scheme. This is not a time, therefore, to discuss the relative merits of the proposals, but it is timely to suggest to every member of the society that he should read them carefully and weigh not only their evident intent but also their implications.

This member will find that in two of the proposals the nomination of the president and vice-presidents only is changed; directors continue to be both nominated and elected by direct ballot of members from their district, vice-presidents elected by direct ballot of members of their zone and the president elected by direct ballot of all members. In the other scheme, placed first in order in the official notice, there is set up a nominating committee of five past-presidents and representatives from each district, which committee makes all nominations, of directors as well as executive officers, the elections to follow by direct ballot as at present.

The two other methods are radically different. In one the board of direction is ex officio the nominating committee, for executive officers, and in the other there is set up what might be called a second house, of representatives of the local sections, which has as a part of its duties the nomination of the executives.

The member will note, too, that the first amendment substitutes for the four successive ballots now required two ballots and one notice and a general meeting of twenty to thirty men which the society pays for; that the second alternative has no extra meeting to pay for but still requires four successive ballots and that the last alternative requires three ballots and a general meeting of as many men as there are local sections, which may well cost the society three or four times what one meeting of district representatives would cost. So far as cost and complication goes, then, none of the methods improves over the present system and one, at least, will be much more expensive.

Whether any of the methods will discourage electioneering or provide more, or less, representative officers—the competitive issues in the supplantal of the old nominating committee by the direct primary—the inquiring member will doubtless begin to form his own opinion and until the competing arguments are presented comment to that end may well be withheld. One cannot avoid seeing, however, that the last proposal is much more than a revision of nominating methods; it is a radical revision of the government and possibly the purpose of the society. On that account it should be examined carefully and discussed fully.

Under this amendment membership in a local section is made compulsory, regardless of actual residence or desire for affiliation. The representative of the section is vested with considerable powers, by constitution in the nomination of officers and by implication in the general conduct of the society. A complicated form of government is set up, with one elected group governing the society and another group, elected by the same members differently distributed, nominating an influential section of the governing group and exercising vague, but no less real, powers of control. The member considering the amendments may well inquire why this involved machinery of government for a professional society.

At any rate it is obvious that a considerable number of members of the society want a change in the methods of electing officers and that something interesting will develop at the annual meeting and in the ensuing months of circularizing. It behooves every member of the society to study the alternatives and make up his mind which is the best, or whether the existing method, unsatisfactory as it is, has been successfully reformed.

Demolition of Niagara Falls Cantilever Bridge

Expeditious Fieldwork in an Unusual Undertaking Complicated by Difficult Location—Three-Truss Bridge Taken Down by Reversal of Cantilever Erection Method

By H. Ibsen
Bridge Engineer, Michigan Central R.R. Co., Detroit

On Feb. 16, 1925, the new 640-ft. steel arch bridge carrying the Michigan Central R.R. across the Niagara Gorge at Niagara Falls was opened to traffic. Two months before, a contract for the demolition of the old cantilever bridge, alongside, had been let to the American Bridge Co., on a cost-plus-sliding-profit basis. This demolition work, completed on Sept. 1, will be described as an interesting instance of dismantling by reversal of the cantilever erection procedure.

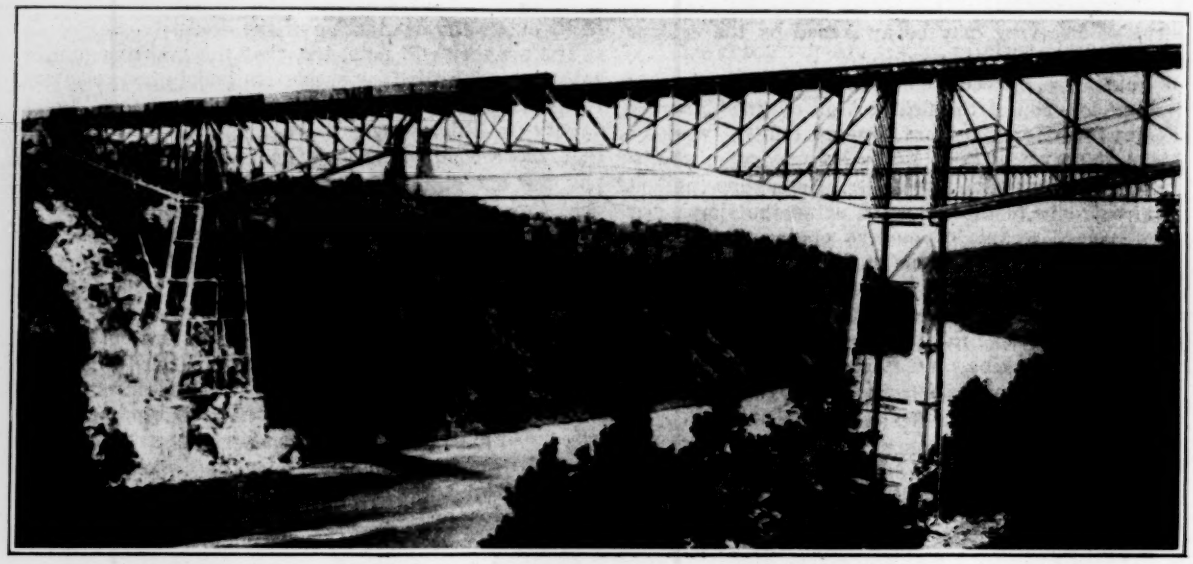


FIG. 1—NIAGARA CANTILEVER BRIDGE AS ORIGINALLY BUILT
Old suspension bridge in background replaced in 1897 by 550-ft. double-deck steel arch built for both railway and highway traffic. Cantilever replaced by 640-ft. steel arch opened to traffic Feb. 16, 1925

Both the cantilever and the new arch were described in *Engineering News-Record* last year (March 1, 1923, p. 380, and March 6, 1924, p. 398). A view of the cantilever soon after its construction in 1883 is given in Fig. 1, from an old photograph, and an outline elevation is shown in Fig. 2.

Choice of Method—Two methods of demolition were considered:

First, Reversing the method used in erecting the bridge, that is, erecting falsework under the shore arm and starting at the center of the suspended span, taking out the bridge piece by piece with a self-propelling crane, loading the material on cars as taken out and backing toward the shore;

Second, Removing the bridge without falsework under the shore arm, which would mean balancing the two arms on the towers, as first one panel in the river arm was removed and next one panel in the shore arm was removed.

The second method would have meant building a special traveler with booms at either end and lowering the material down on the steep river bank, snaking it up the bank and hoisting it from the foot of the bluff to track level for loading.

While falsework would be costly, considering the expense in preparing good foundations, the cost of the special traveler and the extra handling of the material would probably balance most of this, and in addition the second method involved greater risk of accident. For these reasons it was decided to adopt the first method.

Falsework—The wooden falsework (Fig. 2) was framed in the storage yard. Each 30-ft. bay was spliced on the center line of the bent, so that each half bent section could be shipped connected up from the yard to the bridge on flat cars and there picked up by the crane and lowered to its position in the bent. Heavy struts following the slope of the bank were wedged between the feet of successive bents, butting against the tower piers, to prevent any downhill movement of the bents. The foundations had to be dug much deeper than shown on the drawing, and on this account the bottom bays of the bents had to be much longer and they were set on a continuous bed of mud sills. Work was started on the bent next to the tower and the mud sills and bottom bay of the bent were placed before starting excavating for the next bent up the hill. The excavated material from the next footing was then wasted down hill, so that it buried the footing of the bent below by 8 to 12 ft., dependent on the soil conditions found. All together about 5,000 cu.yd. of material had to be moved, much of it being boulders, some so large that they had to be drilled and broken up before moving.

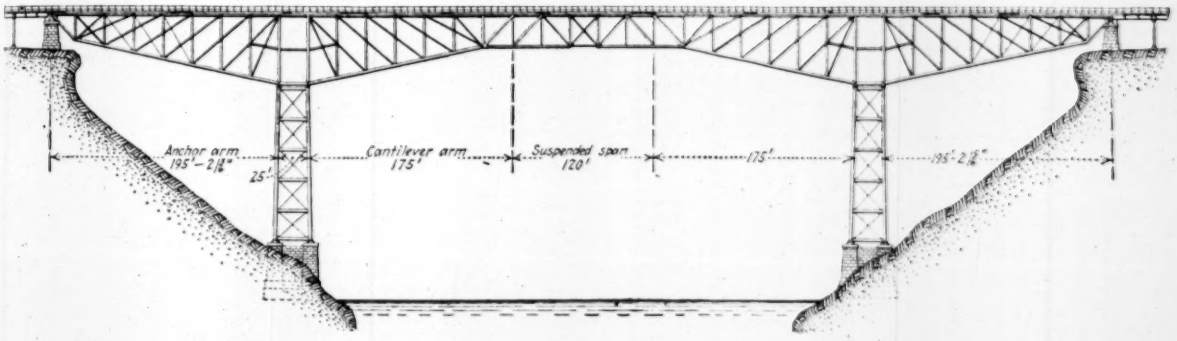
As a matter of economy the falsework used on the American side was used over again for the Canadian side. This increased the time for the work about three

weeks but it saved about 200,000 ft. b.m. of timber and the labor of framing. Falsework construction was started at the end of February, 1925, and carried on as the weather permitted. Removal of the superstructure began in March.

Preparing the Bridge—The first thing done was to rearrange the bridge floor so as to have one track on the center line of the bridge. In 1901 an extra line of stringers had been added under each track between the two old stringers; the outside line of old stringers were therefore removed, and the two lines of 1901 stringers were moved in, close to the inside lines of old stringers, and ties were placed close together on these four stringers, which gave a good support for the heavy concentrated loads of the demolition cranes. The members of all three trusses could be easily reached and handled from this center track and, as the crane could swing clear around, the car to receive the members removed could be placed back of the crane. Except for some of the 1901 stringers, the material could be used only for remelting; therefore the members were all burned apart to suitable dimensions for shipment, and the material was sold as loaded, so that no rehandling was necessary.

By the end of April the rearrangement of the floor was completed and the falsework (under the American anchor arm) had been finished. To bring the trestle bents to bearing, the pressure from a 35-ton jack was applied under each panel point of the trusses, which closed up the joints between the timbers of the bents and brought the footings to a good bearing. There was very little settlement after the falsework carried the full load of the shore arm.

For removing the bridge members two self-propelling cranes weighing 195,000 lb. distributed on four axles were used. The heaviest member to be removed weighed 26,000 lb., and this the cranes could safely handle.



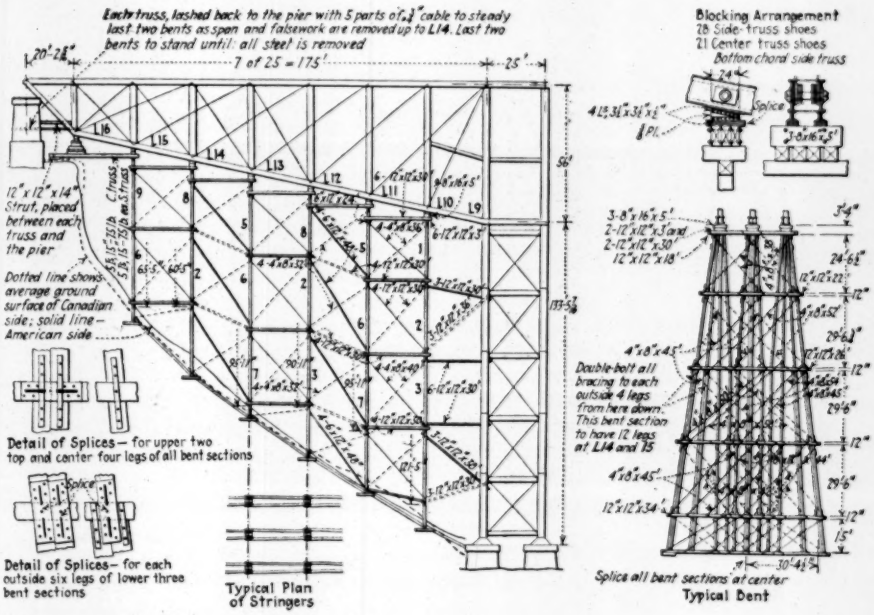


FIG. 2—MICHIGAN CENTRAL CANTILEVER BRIDGE, AND DEMOLITION FALSEWORK

It was desirable to keep the work on the Canadian side going while waiting for the falsework. But in the bridge as built this met with the difficulty of stress reversal in the top chord of the anchor arm as soon as the suspended span had been removed, at which time the compressive stress set up by the crane with a loaded car moving over the shore arm would overcome the dead-load tensile stress due to the weight of the river arm. The old (outer) trusses had a top-chord section consisting partly of eyebars and partly of a built-up member, which latter was stiff enough to take care of the compressive stress, but in the center truss (a later addition) the first three panels back of the tower were made up entirely of eyebars and therefore could not be relied upon to take the compression. To correct this condition closefitting wooden blocks were driven between the eyebars at intervals of 2 ft., and 1-in. rods were placed above and below the eyebars at the blocking to tie them together. The three panels were thus made safe for compressive stress, so that the entire river arm could be safely removed and the loaded cars switched over the shore arm by the crane.

Taking Down Suspended Span—While this work was being done the floor and stringers had been removed from the suspended span. The outside trusses of the suspended span were connected to the ends of the cantilever arms by struts with slotted pinholes in both top

and bottom chord, but the center truss had such a strut only at the bottom chord and no tie in the top chord. The slotted pinholes in the struts were tightly wedged with shims cut to fit the pinholes, and the hip joint of the center-truss top chord was tied to the end top-chord pin of the cantilever with six lines of ¾-in. wire cable. To stiffen the center truss while the side trusses were being removed, timber struts were placed between the top-chord hip joint of the center truss suspended span and the end joints of the outside trusses of the cantilever arms.

The top-chord lateral bars of the suspended span were now removed; the diagonal truss bars in the center panel (T2B2–T2′B2′) of the outside trusses, and the rod swaybracing at T2B2 and T2′B2′, were slacked off, and the bottom laterals in the center panel were cut and dropped into the river. The two cranes, standing at the end of the cantilever river arms, then took hold of the top chord of one of the side trusses of the suspended span and the chord was burned off close to the hip joints (U1 and U1′). The cutting of the chord was done in such a way that with the rods slacked off, as mentioned above, the truss would gradually deflect to about the position it would assume with the top chord removed. It was necessary to burn through the chord in the same place several times before the cuts remained open enough to permit the chord to be removed. The vertical posts T2B2 and T2′B2′ were then cut between underside of chord and top of floorbeam (the floorbeams were riveted to the posts about 6 in. under the chord), and the chord was lifted and swung over close to the center truss where it was laid down, burned through at its middle, and the halves were removed to the scrap cars back of the cranes. Then the center panel diagonal bars T1B2′ and T1′B2 were cut and dropped into the river as well as four of the six bottom-chord eyebars in the center panel.

The same process was repeated for the other outside truss. Now temporary wooden struts were placed on top of the floorbeams T2B2 and T2B2′ in panels T1T2 and T2′T1′, to hold bents in place when the center-truss top chord was removed. The top chord of the center truss was cut and removed in the same way as the outside trusses.

Posts T2B2 and T2′B2′ in both outside trusses were taken out and loaded, and thereupon the floorbeams at T2 and the same posts of the center truss were removed. Then the bottom laterals in the panels next to the center panel and the remaining two bottom-chord bars in the center panel were burned off and dropped into the river. The last chord bars were burned through gradually, with the idea that the bars should stretch when the remaining section became small enough, if there still was any appreciable amount of pull in them, so that they would not break suddenly producing impact in the struts supporting the remaining parts of the trusses. The precautions taken were effective and there was very little movement when these members were finally cut through and the center panel of the suspended spans was completely removed. (In all the work over the river the lighter members, such as bars and small struts, were dropped into the river when their value as scrap was not enough to pay for the labor of handling and loading them.)

Two days' more work removed all of the suspended span except the hanger rods and bottom struts at the ends of the cantilever arms, and the cranes were moved back to U2 ready to remove the first panel of the river arm (Fig. 3).

Rapid Work on River Arms—Removal of the river arms was commenced May 6, and was completed by May 26, when the tower panel on the American side was taken in hand. On the Canadian side two panels remained, one of which was left in place until the falsework was set under the anchor arm.

There was nothing to deserve detailed description in the work of removing the river arms and the towers. It became a work of routine. The burners would keep as far ahead as practicable, burning part way through a member; then the main falls would be hitched to it (the secondary fall supporting such other pieces as required temporary support), and the member would be severed completely, hoisted and loaded on the car placed behind the crane. This procedure was repeated until the panel was all taken out and the crane moved back another panel.

The riverside truss bent U8L8 and the tower bent below, with all the tower bracing, on the American side, were taken down next. The work began May 26 and the castings at foot of tower were hoisted away June 5.

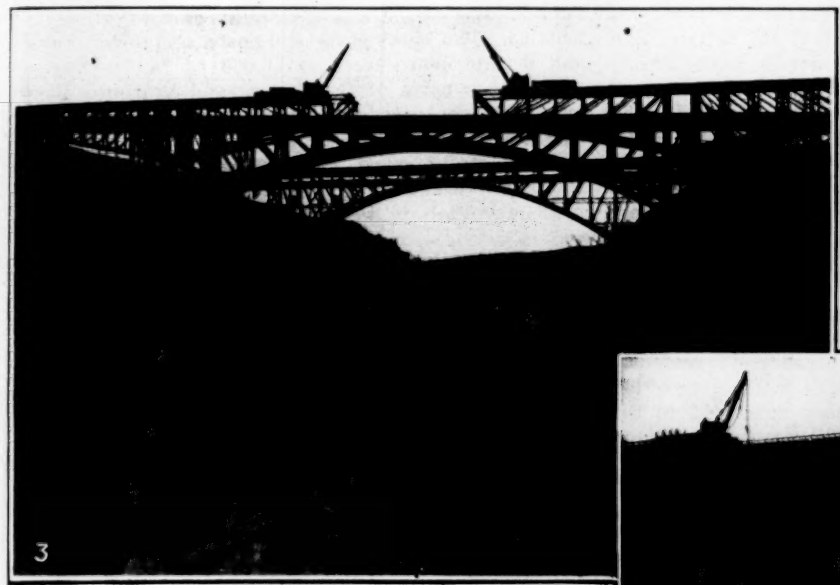
Rusting of Pins and Bars—The posts of the truss bent U8B8 had a half pinhole at the bottom, where they bore on the pin in the casting on top of the riverside tower leg. Upon lifting the outside posts of this bent from their bearings we found that, for erection purposes, a 1-in. square piece of iron had been placed under each corner of these posts. These little blocks I think originally were about ¾ in. thick. Presumably the erectors expected the blocks to squeeze out flat under the load and permit the pin to come to a bearing, but this had not happened. The blocks were squeezed down somewhat, and at some points they were forced between the several plates of the posts, spreading the plates apart. Where they had squeezed down enough to allow water to get at them, the blocks had become flakes of hard rust, and the post had settled down to a bearing on a small part of the pin; in all other parts the post, including its center diaphragm, had no bearing on the pin except for such layers of hard rust flakes as had formed between pins and pinholes of the post.

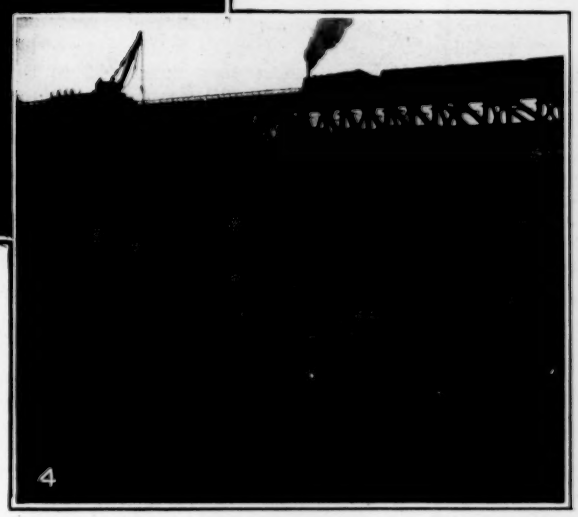
These points were inaccessible to examination and I always expected to find these as well as other similar places on the bridge badly rusted, which proved to be the case. After hammering off the scale both pins and plates of the members were found to be pitted as much as ¾ in. deep in large spots. The same condition existed on the Canadian side.

Except for the outside top chords of the river arm, where the chord was a combination of a built-up member and eyebars and where for five panels the reversals of stress were large and there had been considerable wear in the pinholes, the eyebars in the chords and diagonals were rusted so firmly to the pins and to the adjoining bars—especially where, as in nearly all cases, they were packed so tight as to be inaccessible for cleaning and painting—that when one end of the bar was burned off the weight of the bar would not cause any movement on the pin at the other end. These bars were 8x1¾ in. in section and 22 ft. long from center of pin to the burned end. In one case I tried a joint, with eyebar stubs sticking out 3 ft. from the pin, by first striking the bars numerous blows with a heavy maul to loosen the rust and then hitting the end of the bar. Treated in this manner it moved only 3/32

in. in six blows of the maul. In driving some of the bars off the pin they were found encrusted with scale to a depth of nearly ½ in. in spots, so that it would have been a very slow and expensive job to drive out the pins, which were 6 ft. long and carried 32 eyebars.

Work in Anchor Arm—On June 8 the crane was moved back off the river arm and the diagonal bars U9L10 from top of shore tower bent to the bottom of the next panel were cut, transferring most of the weight to the falsework. The crane was then moved back to panel point U10 and took out the top chord in panel U9L10 and the diagonal bars U9M10, which brought all the load on the falsework. Levels and alignment of trusses and falsework, observed regularly as the work progressed, showed a small settlement in some of the bents, but too little to require any correction to be made.





FIGS. 3 AND 4—DEMOLITION WORK: SUSPENDED SPAN REMOVED (MAY 25)—LAST TWO PANELS BEING TAKEN DOWN (AUG. 27, 1925)

The shore bent of the tower and the first truss panel were down by June 16. From this point the work went slower, as the falsework had to be taken out as soon as the panel above was removed, before the crane could move back.

By July 13 the shore arm on the American side and all of the falsework that had to be used over again on the Canadian side had been completely removed and on July 25 the falsework on the Canadian side had been completed and work started on removing the shore arm, tower and the one panel remaining of the river arm of the cantilever on that side of the river. The Canadian anchor bars, which were the last part of the main bridge, were removed on Aug. 29, and two days later the falsework had been removed and the work was completed except for the removal of the street bridges and for the cleaning up of the bridge site.

Some Service Experiences of the Bridge—One source of trouble with the old cantilever bridge was the floorbeams (see a reference to this trouble in *Engineering News-Record*, March 1, 1923, pp. 380-381). Where these were riveted to the posts of the outside trusses, the end angles connected direct to the floorbeam webs and did not, as in modern construction, extend over the legs of the flange angles of the floorbeam. In addition to this the top lateral rods were attached to the floorbeams through a pin, the center line of which was 20 in. below the center of the chord and 21 in. from the center of the truss. The pin was connected to the floorbeam by a plate fastened to the top flange of the floorbeam and by a bracket riveted to the web of the beam below the flange, and thus there was no means of transferring the stress from the laterals to the chord except through the floorbeam. In 1907, to take care of the horizontal component of this stress, a lateral chord was attached to the top of the floorbeam for four panels each side of the tower. While this helped the conditions for which it was put in, it rather aggravated other defects.

The floorbeams were riveted direct to the posts of the outside trusses as described above, and when the new center truss was added (in 1900) the new posts were put in without cutting the floorbeams, except in the tower bents. Shims were placed between the floorbeams and a seat on the new center-truss post to transfer to the center truss its computed share of the deadload. Then the floorbeams were riveted to the center trusses, making them continuous over the center truss and thereby imposing upon them the additional duty of helping to maintain equal profiles of the three trusses under live-load. In addition to this there were four lines of stringers under each track, resting on top of the floorbeams. These were supposed to slide freely on their bearing plates, but in spite of raising the ends from time to time and greasing the bearing plates, their movement was not entirely free. As the stringers and the added lateral chord did not take part in the movement of the trusses under live-load, they restrained the floorbeams and produced transverse bending stress in them.

These causes combined had the effect of cracking

the webs of the floorbeams, the break generally starting just above the end connection angles. In 1911 the breaks had become so numerous, and were so rapidly getting worse, that repairs had to be made. This was done by first replacing the brackets, under the floorbeams, which formed the swaybrace connection to the floorbeam and the truss post; the new brackets were stronger and deeper than the old ones and had enough connection rivets through the post to support the floorbeam load. Then the end angles and the bracket connecting the top laterals to the floorbeam were taken off, and heavy plates, running the full depth between the horizontal flanges of the floorbeam angles, were put on; the ends of these plates were bent to form angles fitting against the face of the post, and were connected by the old floorbeam connection holes in the posts. These plates, 2½ ft. wide over the top flange angles, formed an ample splice between the split web and the angles. Where these plates connected to the truss posts, the upper holes were fitted with shoulder bolts, the holes in the plates being $\frac{1}{16}$ in. large, to provide for movement in the upper part of the floorbeam, while the lower half of the connection was made with tight bolts.

When these floorbeams were removed there was further evidence of the movement that had previously given trouble, in the form of splits in the connection plates at the bolt holes where they connected to the post. In some places there was a double split, allowing a piece of the plate opposite the bolt hole to drop out.

Some time ago we found that one of the steel castings supporting the center truss on the anchorage pier had split, under the center line of the pin to which the anchor rods were attached. The two halves of the casting had moved apart at the bottom about ¼ in., and directly under the pin about $\frac{1}{16}$ in. As it would be very difficult and expensive to renew the casting, as the anchor bars ran through it, it was repaired by drilling holes through the webs and putting in four 1½-in. bolts tying the two halves of the casting together. Frequent inspection was given the casting but there was no further movement apart of the broken halves.

The cause of the break was always a matter of speculation, as there was no sign of defect on the surface. When the casting was removed we found the trouble. The webs, especially the center web, which was 6 in. wide, contained large segregations of very coarse crystals. In the center web a piece 6x3x½ in. dropped out when the two halves came apart in removing the casting.

Corrosion Experiences—It was evident for some time that the material of the center truss (added in 1900) suffered much more from rust than the old (1883) trusses. This was particularly noticeable on the lacing of the tower struts. As early as 1911 there were holes rusted through the lacing bars of the longitudinal struts of the central tower legs. The lacing bars of the members in the outer lines were somewhat pitted, but were not in very bad condition. By 1918 the lacing bars of the middle tower struts had become so bad that several hundred of them had to be renewed, while only three or four of the bars of the outer struts were renewed and even these were not in as bad condition as the former. I think that the lacing bars of the outer struts were iron, and of the center struts medium steel.

The center truss was in somewhat worse position for catching brine drippings from refrigerator cars. The outer trusses also suffered considerably from this action, but relative to their length of service they showed much better resistance to deterioration than the center truss.

The outer or old trusses were built partly of high carbon steel (average tensile strength 83,000 lb. and elastic limit 54,000 lb. per sq.in.), and partly of wrought iron. The high-carbon steel was used for tower posts, end posts, posts over towers, and bottom chords of cantilever arms; other material was wrought iron. The later middle truss was also built of two grades of material. The tower posts, end posts, posts over towers, and bottom chord were of 66,000 to 74,000-lb. steel, while other parts of the trusses and bracing (except lateral and sway rods, which were iron) were made of 57,000 to 66,000-lb. steel.

Paint maintenance had at all times been quite thorough. Since 1900, at least, the bridge received as much attention in the way of painting as would be required by the most stringent maintenance specifications. Except within the last couple of years, since work began on the new bridge, the cantilever bridge had been patched up almost yearly, and repainted completely at short intervals. The main parts of the material were in very good condition. The rapid destruction of the lacing of the tower struts was probably due largely to the force with which the brine drops would strike them, because of the height of fall. In respect to this action, the struts of the old and new tower bents were, of course, on equal footing.

Other Notes on Service—Service experience with this bridge leads the writer to advise against the combination of compression and tension members as used in the top chord of the shore arms of the old trusses. The compression and tension elements of these members did not work together, and it is probably not practicable to make them work together in any case. Further, in eyebar tension members having many bars packed on a pin, arrangement should be made to separate the bars either far enough for cleaning and painting or else far enough for oil to penetrate between them. A housing should be put over the bars at the pin joints to keep dirt from accumulating between the bars, so arranged that oil-soaked waste could be put within the housing over the bars.

Where floorbeams are riveted to the vertical posts of the trusses, it is desirable to have positive means to assure the free movement of the floorbeams with the trusses under load. This could perhaps be done most easily by putting rollers under one end of the stringers in each panel. The connections of the lateral bracing should be such that the laterals would not interfere in any way with the free movement of the floorbeams, and at the same time to transfer the lateral stresses directly to the chords.

Hip joints and end joints of anchor arms in a cantilever such as this one should be riveted joints, as there is considerable motion and resulting wear at these points.

Approach Spans—While the work of removing the cantilever span was going on, preparations for removing the two street spans in the approach on the American side and one on the Canadian side were made. One of the American bridges was a double-track half-through-girder span 66 ft. long, with two main girders into which were riveted deep transverse beams carry-

ing a 9-in. concrete slab. The other two bridges were short spans with I-beam and plate ballasted floors. A very good quality of concrete was found in the slab, and removing it proved difficult, especially as the span was over a public street with car track. Extreme care was taken and the concrete was drilled and cut out in small sections. The contractor's foreman rigged up a very efficient tool for drilling and cutting the concrete, by making special drills and chisels to fit the large pneumatic rivet-busters, which saved considerable time.

The steel on which the concrete rested was found in absolutely perfect condition, with its red-lead coating still showing its bright color. The reinforcing

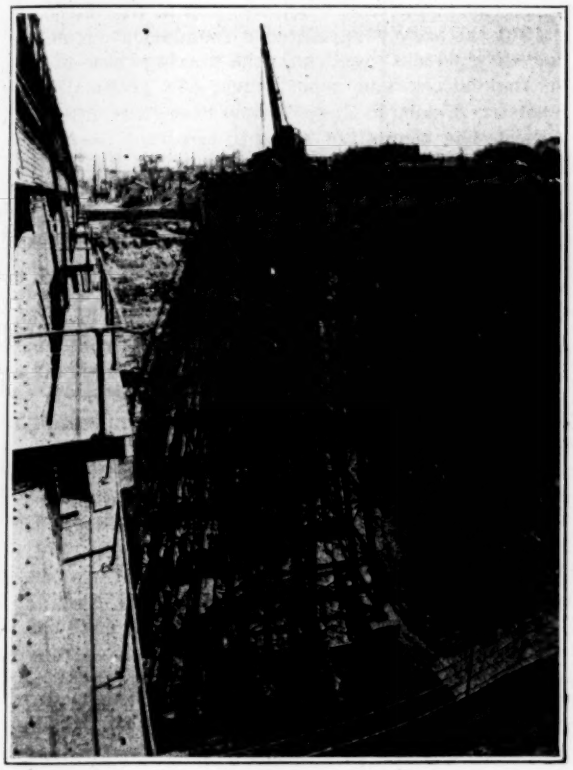


FIG. 5—AMERICAN TOWER AND ANCHOR ARM; RIVER SPAN REMOVED (MAY 26, 1925)

steel in the slab was as good as new, showing no rust. These bridges were all built in 1911, to replace the original iron trestle approaches which had never been strengthened and which were in very bad condition at that time.

The waterproofing on these bridges, which consisted of three layers of raw burlap laid in "Sarco" asphalt and covered with 1½-in. asphalt mastic protection coating, was in remarkably good condition, after fourteen years' service under heavy traffic. The asphalt apparently was as good as when it was put in, and the raw burlap, which is generally said to deteriorate very fast, was as sound as new, as far as I could judge.

The work of removing the cantilever bridge was successfully completed without accidents of any kind and with only few minor injuries to the men; this was due to a large extent to the care and foresight of the American Bridge Co.'s foreman, S. F. Frantz, who had charge of the work. The men who handled the torches for burning off the steel suffered a good deal from the fumes caused by the burning of the old paint of the members, and a couple of them had to go to the hospital to recuperate.

At the present time the anchor pier on the Canadian side and the old concrete abutment for the Front St. crossing in Canada are being removed by the Federal Construction Co., Toronto, Ont.

James H. Curtin has had charge of the field work under my supervision.

Model Tests of Wind Pressure on High Buildings

As a result of many inquiries about wind pressure on buildings the U. S. Bureau of Standards recently undertook some experiments to determine the amount and distribution of such pressure. There appeared to be a general feeling among engineers that the values of wind pressure commonly used in the design of engineering structures are too high. The experiments on which these values are based were carried out many years ago, by relatively inaccurate methods, and on models not resembling actual structures. The success of modern wind tunnel methods in the field of aeronautics suggested their use for the determination of wind pressures on models of structures. Experiments were therefore made on a model in the 10-ft. wind tunnel of the Bureau.

The first model investigated was a model of a tall building, in the form of an 8 x 8-in. square prism 24 in. high. The pressure due to winds of speeds up to 70 m.p.h. was measured at 70 stations on one face and 49 stations on the top, for wind directions varying from 90 deg. to one face to 90 deg. to the opposite face by 15-deg. steps. The effect of the ground was represented in two ways, first, by the floor of the tunnel, and second, by a fixed platform. The pressures were integrated to give total forces and moments on the separate faces and on the complete model.

The chief conclusions of interest to structural engineers are as follows:

(1) The greatest average pressure against the building occurs when the wind blows normal to a face and is equal to 1.5 times the velocity pressure, i.e., 22 lb. per sq.ft. for a true speed of 76 miles per hour (100 miles per hour indicated by a Robinson type anemometer).

(2) The average decrease in pressure over the roof is about 0.83 times the velocity pressure, i.e., 12.2 lb. per sq.ft. for a true speed of 76 miles per hour.

(3) The maximum moment about a vertical axis is equivalent to a horizontal displacement of the resultant force of 0.077 times the width of the building.

While the above conclusions apply exactly only to geometrically similar structures, they apply approximately to structures of the same general shape.

A full report on the tests will be published shortly as a paper in the scientific series of the Bureau. It will include a general survey of the effects of steady wind and some discussion of allowances for gustiness.

Known Sources of Typhoid Only 60 Per Cent

It is a wise and fortunate epidemiologist who can determine satisfactorily the source of infection of more than 60 per cent of the cases of typhoid fever occurring in a given city, declared Dr. Louis I. Harris, director Bureau of Preventable Diseases, New York City, in an address on the control of communicable diseases before the New Jersey Sanitary Association on Nov. 30.

Principles of Soil Mechanics: VIII—Future Development and Problems

Origin and History of Experimental Study of Soils—Future Objectives—A Theory of Models—Soil Classification—The Method of Equivalents for Engineering Practice

By Dr. Charles Terzaghi
Formerly Professor of Civil Engineering, American Robert College, Constantinople, Turkey
Temporary Lecturer, Massachusetts Institute of Technology, Cambridge

IN CONTRAST to the rapid advance of engineering science in the fields of statics, dynamics and hydraulics within the last century there has been complete stagnation in the study of soil mechanics. Since Coulomb and Rankine formulated their classical theories of granular earth pressure practically no progress has been made, and the vast field of the mechanics of plastic soils has hardly been touched. Earthwork engineering is in consequence about on that level of efficiency in design at which mechanical and structural engineering found themselves a couple of centuries ago. The reason for this lack of progress lies mainly in the great difficulty of investigation of soil phenomena. In recent years, however, various investigators have turned their attention to the subject. A summary of experimental results obtained by the author has been presented in the preceding articles of this series. Further activities along similar lines are planned, in several institutions of this country, and it may be said (speaking somewhat optimistically) that a general attack upon the unsolved problems of soil mechanics has begun. It will therefore be of value to review the situation briefly.

Engineering Geology—The first efforts were made in the direction of developing engineering geology. A text-book on the subject was written as early as half a century ago (by Dr. D. Braun), though from the present standpoint the work was of little value. Within the last generation or two, many engineers have recognized the need for a better bond between geology and engineering, and have worked to bring it about. Italy and Belgium created special departments for engineering geology. Other states sent their geologists to every important construction enterprise, in order to bring geology and engineering into constructive contact. Meritorious works on engineering geology have been written. Yet the results of the movement are on the whole disappointing.

The more one penetrates the field of engineering geology, the more its innate limitations become evident. In its present state, the science is of service in such matters as locating the sites of structures, or selecting the number and location of test borings, but this is after all only a small part of what is needed. We obtain no exact information concerning the strength and physical properties of the materials composing the several geological strata, and we do not yet find in the teachings of geology any suitable basis for identifying and classifying soils.

Experimental Soil Studies—It thus came to be realized in the course of time that soils must be studied physically as well as geologically, if we are to have a substantial basis for earthwork engineering. It is to the credit of the American Society of Civil Engineers to have made the first conscious step in this direction. In 1913 the society appointed a foundation committee "to codify present practice on the bearing value of soils for foundations and report upon the physical characteristics of soils in their relation to engineering structures." The committee evidently realized the importance of its task; it has displayed very fruitful activity throughout its existence. By an interesting coincidence, in the same year the Swedish Government Railways appointed a Geotechnical Commission for the purpose of investigating the physical characteristics of materials in unstable slopes and devising remedial measures for slides. Thus, the need for soil investigation found simultaneous recognition on two continents.

During its ten years of existence, the Foundation committee has made many interesting reports. It has conducted friction tests, investigated the compressibility of various soils, and measured the compressive, tensile and shearing strength of undisturbed clay samples, among other things. No general conclusions have yet been reached, and in view of the lack of knowledge concerning the basic relations between the properties of soils it is impossible to make much practical use of the data obtained. The reason is obvious: Each one of the so-called physical properties of soil—internal friction, cohesion, plasticity, compressive strength, and the like—is in itself so utterly complex a phenomenon that it cannot be correlated with any of the others. It would be necessary first to discover the elementary physical factors which determine these properties. Lacking a knowledge of the elementary factors, experiments merely build up a collection of unusable data and give no knowledge of relations.

Investigation in a New Direction—Realizing the necessity for a different kind of physical study of soils, the author in 1917 undertook a program of experimentation in a new direction, beginning with a study of the elastic properties of cohesionless sand. This work was practically isolated, and at the outset found little encouragement, most of the author's friends considering the efforts to be unpromising.

The method which finally led to a considerable degree of success consisted of reducing each problem to its simplest possible terms, and using the result of one test for establishing a tentative hypothesis as to the causes of the phenomena observed, which hypothesis could then be verified or disproved by further tests. No investigation was begun until the preceding one had been carried to some definite conclusion.

Proceeding step by step in this way, the author was able to trace the many physical properties of soils to four underlying factors: (1) Friction between the

grain surfaces, including initial friction; (2) viscosity of the capillary water; (3) surface tension of the capillary water; and (4) the influence of the width of voids on the physical properties of the water itself. It was found that the striking differences between cohesive and cohesionless soils could be fully explained in terms of these four physical factors, the intensity of their effects essentially depending upon the size and the shape of the soil particles.

Beginning in 1920 and continued within the last year, the author presented a summary of the action of these four physical factors and how in combination they produce the manifold physical properties of soils, in this journal.[1] A fuller account of the results of the investigation was published in book form a year ago.[2]

Application of Soil Mechanics—For practical application, soil mechanics must be applied in the first instance to the following objectives:

(A) *A theory of models* must be developed. Without such a theory no valid conclusions can be drawn from the results of loading tests on soils or from model tests (as on dams), with respect to full-sized structures.

(B) *Classification of soils* must be accomplished. It should be possible to determine and express quantitatively the relation between two apparently similar soils found in different localities.

(C) *Adequate design data* must be developed. The new science must guide the way toward obtaining all the required data for the economical design of structures consisting of soils or in contact with soils.

A Theory of Models

In modern engineering, theories of models are among the most important and most indispensable tools. To illustrate the necessity of such theories in earthwork engineering, the following example may serve:

The Foundation committee has designed a convenient apparatus for making loading tests on foundation strata, by means of which accurate load-settlement diagrams may be obtained. So far, however, no hint has been given as to how the resulting diagrams can be used. The ultimate bearing capacity of a clean, thoroughly compacted sand amounts to 0.29, 0.42, or 0.61 kg./cm.^{2} (Strohschneider), according to whether the diameter of the loaded area is 0.8, 1.25, or 1.78 sq.cm., and it is known that a circular footing 1 m. in diameter resting on such sand could carry a load several times as great without objectionable settlement, so that it is clear that the bearing capacity of sand increases rapidly with size of loaded area. In the case of plastic clay, on the other hand, the bearing capacity is almost independent of the area of the loaded surface. Soils intermediate between sand and clay will have intermediate properties. Thus, in the absence of a theory of models no conclusions can be drawn from the results of a standard loading test unless a rule of interpretation is established for each of the many kinds of soil encountered.

Even with such rules we would still have the difficulty of identifying the soil at a particular foundation site with one of the standard soils for which the rules were derived. Non-homogeneous or stratified soil deposits further complicate the matter, and make a purely theoretical approach seem hopeless. Therefore the author believed it necessary to approach the theory of models by combined empirical and theoretical attack. In order to do this, each experiment, being in effect a model test, was analyzed theoretically to the point of making clear what physical factors were concerned and developing a formula expressing the law of the result as closely as possible. These formulas were then applied to deriving coefficients having known values for definite limiting conditions (as for plastic clay and for cohesionless sand) and intermediate values for intermediate conditions.

Bearing Capacity of Soil—Some of the results obtained by this course of procedure may be stated as follows: The bearing capacity of a soil depends on its specific gravity and density of structure, the smoothness of the grain surfaces, and the intensity of the capillary pressure, in other words its cohesion. The formulas derived for the bearing capacity of the ground contain as factors the specific gravity w of the soil, the intensity of the capillary pressure p_k, the radius of the loaded surface r, and the ratio t/r between depth of foundation t and radius of loaded surface.

In wet sand, capillary pressure is negligible compared with load stresses, and the ultimate bearing capacity increases directly as the radius r and also increases very rapidly with the depth ratio t/r. In plastic or semi-solid clay, however, the capillary pressure is very large, and the load stresses are negligible in comparison. Application of theory led to the realization that under such conditions the bearing capacity is almost independent of both radius and depth-ratio. Most actual cases will lie between these two limiting cases. For any given ratio p_k/w increasing the size of the loaded area will cause the case to approach the limiting condition of cohesionless sand.

While the theory so far developed accomplishes this much, and also is of assistance in devising special tests for cases of variable soil strata, it is by no means perfect, nor have the laboratory test methods yet been developed to their best form. The results demonstrate, however, that the combined theoretical and empirical method is effective. An interpretation of the results of loading tests is now possible, however much it may still need refining. This could not have been accomplished without laboratory discovery of the fact that the cohesion of clay is due to negative hydrostatic pressure of the capillary water; that the physical properties of capillary water contained in sub-microscopic voids differ from those of water contained in coarser materials; and that the internal friction of soils is a composite of several independent actions.

A theory of models also has other applications. For example, the test loading apparatus proposed by the Foundation committee[3] is intended to be applied to a loaded area 34.7 cm. in diameter, the surrounding ground being covered by a layer of sand 70 cm. deep. Here the ratio t/r is about 4. Looked at empirically, the sand fill is only a protecting layer, and it was actually so intended. Considering the situation theoretically, however, we see that the fill may be without effect on the result of the load test or it may multiply the bearing capacity several times, depending on whether the subsoil has large or very small cohesion. Because of this relation, we are bound to conclude that a loading test intended as a guide for the design of a sand foundation of shallow depth (t/r very small) should be so arranged that the ratio t/r in the test is also small, otherwise the test results may be misleading. The disturbing influence of the protective layer becomes insignificant, however, when the soil has high cohesion.

The lack of a theory of models is responsible for the fact that engineers hold curious and highly arbitrary views as to the interpretation of small-scale experiments on soil or soil structures. Investigators who undertake large-scale experiments and find their results differing widely from those of small-scale experiments commonly explain the disagreement by charging the small-scale experimenter with being unable to appreciate the importance of errors of observation. Such charges are manifestly unfair; the real trouble is the lack of a theory of models, which in turn is due to incomplete knowledge of the physical character of the phenomena involved. Every apparent contradiction between the results of small and of large-scale tests is a symptom of a specific deficiency of our insight. No problem in soil mechanics can be considered solved unless the investigator is in a position to explain fully the cause of such disagreements. For this reason small-scale experiments should be regarded an essential part of and a supplement to every large-scale investigation. Figures alone are practically worthless. What we need is relations.

Soil Classification

Every piece of actual construction work represents an expensive full-scale test. If we are in a position to identify accurately the soil encountered at construction, the value of the test results is inestimable. If, on the other hand, the soil remains unidentified, the same test is practically without any value, so far as future utilization of the test results is concerned. Hence, a method for soil identification is just as important as a theory of models.

It has been shown that variations in character of soils are merely the visible effect of corresponding variations in size and shape of the soil particles, in water content and in structure. If these four factors were known, it would be easy to identify soils. That the importance of these factors was well appreciated is shown by the fact that the Foundation committee's classification system takes them duly into account,[4] though unfortunately in a form not applicable to practical purposes. The properties of most soils depend on those of their smallest (so-called colloidal) particles, and one of the most important characteristics of these particles, the shape, is not susceptible of quantitative expression. Similar difficulties are met in dealing with another factor of outstanding importance, the chemical character of the adsorbed constituents. Due to the utter complexity of colloidal behavior the problem of comparing soils is in some respects like that of comparing the quality of two apples. To solve this problem according to the proposals of the Foundation committee would mean basing the comparison of the apples on the results of a physico-chemical analysis of their organic constituents. Realizing the doubtful benefit to be derived from so elaborate a procedure, the author proposed, symbolically speaking, the more direct method of biting into the apples and tasting them.

Basis of Classification—In the realm of soils, the taste of the apples corresponds to the common physical properties of soil (elasticity, cohesion, permeability and the like). Although these properties are numerous and each represents the combined effect of several causes, they offer the decisive advantage that they are susceptible of accurate numerical expression by coefficients and diagrams.

The accompanying table gives a complete list of these properties. In their totality these properties express every detail of the intricate properties of the soil constituents, somewhat as the elastic properties of a metal express the nature of its intricate molecular structure, or as a man's actions express his character.

Due to the great number of items, an exhaustive study of a soil sample cannot possibly be made except for scientific purposes. However, theory and experience show that the several properties listed in sections *B* and *C* of the table are all interrelated, although the precise nature of this relationship cannot yet be stated. A systematic experimental investigation is required to establish it. If 50 or more soils of widely different character should be tested according to the full schedule of the table, it might be expected that the assembled results would soon reveal the nature of the interdependence of the physical properties. With this knowledge the tests required for furnishing complete data on the character of a particular soil could be so simplified as to make them applicable to every earthwork reconnaissance—a future result likely to be of the utmost value. By a partial unraveling of these relationships I recently succeeded in simplifying the method for estimating the intensity of the capillary pressure acting at different depths of a mud deposit, to such an extent as to save nine-tenths of the time required for testing the drill samples.

This illustrates the gain that may be expected to result from the study of the relations between soil properties. Until these relations have been worked out, however, and test programs framed accordingly, it will be necessary to adapt any phase of soil tests to the particular practical objective of the work in hand.

Adequate Design Data

Design Equivalents—In soil mechanics as in other fields, ready calculation for purposes of approximate analysis and designing requires making use of simplified empirical assumptions. In hydraulics we assume water to be incompressible, and in mechanics of materials we use Hooke's law as if strictly true. Similarly, for soil mechanics we may assume as closely correct the following principles: (1) That the ratio between modulus of elasticity and internal pressure is constant; (2) that the relation between stress and strain, for direct compression with free lateral expansion is parabolic; and (3) that Darcy's law is valid. These assumptions are extremely simple, yet most practical problems are of such nature as to lead to intricate problems in the calculus of variations if an exact solution were attempted. Even if the stress-strain law were linear (Hooke's law) it would be exceedingly difficult to deal with a simple case such as stress distribution in a trapezoidal earth embankment, while with the parabolic law the problem becomes impossible. Obstacles of this kind make necessary a further process of simplification, using *design equivalents*, i.e., approximations similar to those utilized in other fields—as when a steel bridge is assumed to have frictionless joints—and subsequently making separate allowance for the approximation if necessary.

This method of equivalents may be applied as follows: In studying, say, the effect of a load on the supporting soil, or the swelling of clay after driving a tunnel through it, or the effect of time on pile friction, the first step is to study what physical factors are involved in the process, which is readily done if the physics of

soils is understood. Then an equivalent is devised, so as to represent an interaction of physical factors closely similar to the actual one, but yet simple enough for mathematical analysis. Formulas based on this equivalent give a clear conception of the relative influence of the several physical factors on the actual process, although they are strictly approximate ones.

To take an example, the equivalent for a circular foundation is a cylindrical soil core surrounded by a cylindrical soil ring. The top of the soil core corresponds to the loaded area. The loaded core presses laterally against the inside of the ring. The proper ratio between radius of core, height of core, and width of ring was estimated from the results obtained by photographing through a glass window the grain movements produced in soil by a superincumbent load. Formulas derived from such an equivalent agree better with test results than the formulas furnished by any other known method, and in addition give other valuable information, such as the influence of rate of load application on bearing capacity (in the case of wet clay), or the influence of the shape of the base (circular or rectangular) on the bearing capacity.

DATA REQUIRED FOR DESCRIBING PHYSICAL PROPERTIES OF HOMOGENEOUS SOILS

A—Material in Original Condition

1. Volume of voids, in per cent of total volume. For clayey soils in addition: microscopic structure (homogeneous, fissured, crumbly, etc.).
2. Moisture content, in per cent of weight of solid matter.

B—Modified Condition

3. Shape of grains (by microscope; include sketches where possible).
4. Specific gravity of grains (by pycnometer).

5a. (For plastic soils.) Limiting moisture content of liquid, plastic, semi-solid and solid consistencies.

5b. (For sand and granular soils.) Limiting void ratio of loosest and densest structure.

6. Coefficient of internal friction (minimum and maximum values determined at zero capillary pressure).
7. Lateral-pressure ratio in confined material (determined at zero capillary pressure).

8. (For plastic soils only.) Compressive strength of cube (dried at 100 deg. C.).

C—Diagram Characteristics

9. Uniformity (grain-size platted on semi-logarithmic chart).
10. Pressure-void diagram under continuous and cyclic loading.
11. (For plastic soils only.) Load-compression diagram for cubes of known water content under continuous and cyclic loading. (The diagrams 10 and 11 combined make it possible to compute the constants of elastic behavior.)
12. Permeability-void diagram.

Aside from its direct use in design, the method of equivalents will be of service in developing a classification of soils for purposes of practice. If the kind and relative importance of the physical factors governing a particular field phenomenon (as stability of slopes, or bearing capacity of ground) is known, a sample of soil may be tested in the laboratory for the particular coefficients which control these physical factors; then it may be concluded that every other soil having approximately the same values for these particular coefficients will behave similarly, so far as this phenomenon is concerned. The other physical factors can be disregarded, without affecting the value of the result.

Proper use of the method also helps to avoid unwarranted generalizations. Such generalizations have been particularly common in connection with the retaining-wall problem. Our classic earth-pressure theories are themselves mere design equivalents, in the sense just discussed; the sand is assumed to have a definite coefficient of internal friction, the effect of soil deformation on pressure distribution is neglected, etc., all of which assumptions are tolerable only for the purpose of the equivalent. Yet most of those who have dealt with retaining-wall experiments and analysis look upon these assumptions as rigidly correct, and in some cases resort to highly advanced mathematics to calculate the curved sliding plane of least resistance, or other details whose importance is negligible compared with the errors involved in neglecting the elastic effects. Again, the attempt has been made many times to apply Rankine's theory to determining bearing capacities, completely overlooking the fact that arching effects prevent the soil particles near the base of the load from yielding laterally.

Or, again, consider the striking remark made by a well-known authority in a recent discussion: "When an experimenter finds the angle of friction greater than the angle of repose, it at once condemns his results and shows that he is not well grounded in theory," which overlooks the radical difference between a change from motion to rest (which determines the angle of repose) or a change from rest to motion (which determines the internal friction). The fact is that the inclination of the surface on which a moving body comes to rest is invariably smaller than the angle at which a body at rest starts to move. If existing theories do not agree with such facts, the theories, not the facts, must be modified. But these examples are sufficient to show the danger of unwarranted generalization in soil mechanics. A proper study of equivalents will help to avoid this danger.

Further Developments

Engineering practice concerned with soils still depends, as did structural engineering a century or two ago, on the instinctive genius of a few individuals, and on the chance discovery and development of such individuals. Efficient and economical design is still largely a matter of hopeful anticipation rather than actual accomplishment. Moreover, whatever is accomplished in this field by the strength of individual genius remains merely an admirable monument and is of no lasting benefit because we remain powerless to identify the soils available for similar operations in two different localities, and lack methods for interpreting and applying the results of tests.

To improve this condition we need first of all a new generation of earthwork engineers, thoroughly familiar with the essentials of soil physics and trained from the very start for exhaustive analysis of the phenomena which are apt to occur in actual earthwork practice. Considering the amount and the quality of knowledge required for such activities, the courses offered by the colleges in engineering geology and in foundation engineering are obviously inadequate. On the other hand, it does not seem feasible to extend the scope of these courses without simultaneously reducing the time provided for other important subjects. Hence, the only appropriate measure would be to increase the number of traditional civil engineering options (sanitary engineering, structural engineering, etc.) by one. This new option (earthwork and foundation engineering) should include among others a more elaborate course in engineering geology and an elementary course in applied colloid chemistry.

The second essential requirement concerns the activities of engineers engaged in earthwork and foundation engineering. No satisfactory improvement is possible unless at least some of these engineers keep in permanent contact with the science of soil behavior, and try to apply the available information to their observa-

tions in the field. Progress in engineering essentially depends on the quality of the data published in professional papers, and thus far, due to inadequate discrimination between essentials and non-essentials, most of the published data have but little value.

Finally the profession needs at least one institute for scientific earthwork engineering, equipped with suitable laboratories and with a trained research staff, preferably incorporated in the organization of the department of civil engineering of some leading university. Besides serving educational and research purposes, such an institute would have two essential functions: to analyze and digest the results of important observations made and communicated by outside engineers, and to develop suitable field methods for preliminary work, based on scientific principles.

If development plans of this kind are followed out, soil mechanics may within a short time become an important factor of engineering science. In the absence of such conscious progress, the experiences of the present generation will be as valueless as those of the past, because of unintelligible records of the properties of soils.

[1]See an article by the author, "Old Earth Pressure Theories and New Test Results," published in *Engineering News-Record*, Sept. 30, 1920, p. 632; and the preceding articles of the present series, "Principles of Soil Mechanics," as follows: I—Phenomena of Cohesion of Clay, Nov. 5, 1925, p. 742; II—Compressive Strength of Clay, Nov. 12, p. 796; III—Determination of Permeability of Clay, Nov. 19, p. 832; IV—Settlement and Consolidation of Clay, Nov. 26, p. 874; V—Physical Differences Between Sand and Clay, Dec. 3, p. 912; VI—Elastic Behavior of Sand and Clay, Dec. 17, p. 987; and VII—Friction in Sand and Clay, Dec. 24, p. 1026.

[2]"Erdbaumechanik," by Charles Terzaghi (1925).

[3]Transactions, Am. Soc. C. E., 1920-1922.

[4]Transactions, Am. Soc. C. E., 1916, p. 351, Table II.

Silt and Channel Conditions in Colorado River Delta

How Deposition Contributes to Instability of Channel—Effect of Flood Scour on Levees—Pescadero Cut Dependent on Competent Engineering Maintenance—Present Condition Threatens Disastrous Results

By S. L. Rothery
Consulting Engineer, Los Angeles
Formerly Engineer with Imperial Irrigation District, Calexico

THAT the Colorado River needs a dam for storage and regulation of flow is illustrated in graphic manner by the photographic view, Fig. 1. Here is seen the dry, soil-filled bed of the lower river as it presents itself during the low-water periods, between floods. At a time like that illustrated, there is not enough water for irrigation, with the danger of vast losses, as in 1924, when 16 to 20 per cent of the cotton crop was lost on the reclaimed delta areas. And, as the river channel is vanished, the subsequent floods, which may attain volumes of 200,000 sec.-ft., create formidable dangers and present corresponding difficulties of control.

Silt Volume—Recurring soil-filling of its channel in low-water periods followed by deep scouring to more than 20 ft. below its normal bed along some meander where the rising flood happens to channelize, is a characteristic of the lower Colorado, and involves soil transportation on a huge scale at each scouring. The main channel being 800 to 1,200 ft. wide, a scour depth to 20 ft. transports more than 300 million cubic yards or 186,000 acre-feet of soil to the delta for each 100-mile length of river in flood. This may appear an excessive estimate, for it is not possible to know the area of a scoured channel during floods. However, the soil transported in suspension past Yuma for the decade 1915-1924 has been measured as 1,051,350 acre-feet. Some of this latter amount is undoubtedly bed soil carried into suspension with increasing discharges, but the writer believes it is a portion only, for the suspended soil is measured continuously through the year, while scoured channels happen during periods of a few days to a few weeks only, when hundreds of miles of channel are scoured to great depth at the same time, and the former vast volumes of bed soil are transported in these short periods.

A volume of 1,051,350 acre-feet, the 10-year silt flow at Yuma, would build a railroad embankment around the world at the equator, which embankment would have a height of 12 ft., a base width of 50 ft. and a top width of 10 ft.; or it would occupy a volume equivalent to that of a prism a mile high covering 64 city

FIG. 1—DRY, SOIL-FILLED BED OF LOWER COLORADO RIVER
Every high flood scours the channel 20 to 40 ft. deep and transports the soil (186,000 acre-feet for each 100-mile length) to the delta.

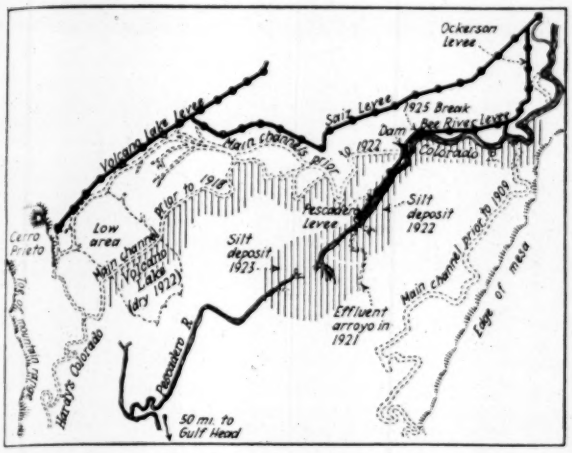


FIG. 2—PRESENT OUTLET OF THE COLORADO
A few of the former channels are indicated by dash lines.

SILT VOLUME OF COLORADO RIVER

Amount transported in suspension past Yuma, 1915-1924.

Year	Silt Volume, Acre-Feet	Year	Silt Volume, Acre-Feet
1915	107,880	1921	111,894
1916	204,834	1922	63,964
1917	89,062	1923	125,145
1918	59,831	1924	95,407
1919	68,333		
1920	125,000	For decade	1,051,350

blocks 300 ft. square, each block being separated by streets 80 ft. wide. The same prism, but 528 ft. high, would represent the average yearly equivalent volume transported in suspension.

Channel Changes — Formerly the river had about 2,500 sq.mi. of delta upon which it wandered and distributed its soil burden, and great changes of location were not of consequence. Since 1908 the surplus discharge—nine-tenths to five-sixths of the yearly flow of the river—has been kept to the south of an extensive flood-protective levee system which has been developed in Baja California, Mexico, restricting the former large dumping ground to about 700 sq.mi. On this diminished area the development of unstable flow conditions has been hastened by the magnitude of soil deposition, and since 1908 the river has abandoned more than 130 miles of main channel for entirely different directions of flow.

In 1909 the final 60 miles of a general southerly course to the gulf were abandoned for a westerly and thence a southerly course which was 30 miles distant from the former route. In 1918, 15 miles of the westerly portion was forgotten for a southwesterly direction against the Volcano Lake levee. Again, in 1922 diversion operations forced a general southwesterly course towards the gulf and the abandonment of 55 miles of its main channel of more recent years. Portions of these abandoned channels are shown in Fig. 2.

The Pescadero Diversion—The diversion last mentioned, into the Pescadero country, has now been functioning four years, and while there is ample low area available for years of soil deposition before the hazardous flood heights of 1920-21 would again menace the western levees, it is quite feasible in view of past channel changes and of the significant break and sloughing along Bee River levee in 1925, for a disastrous breach in these river levees to happen on a rising flood. In that event the diverted course may likewise become abandoned and silted full. This would

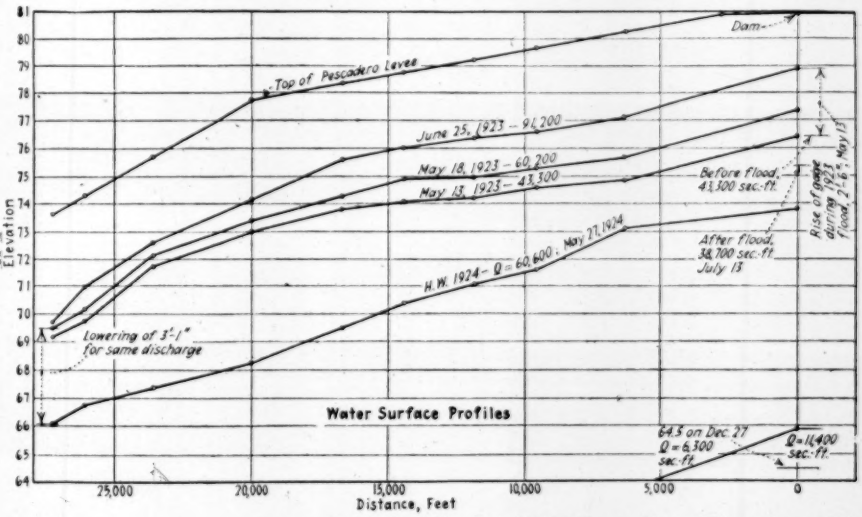
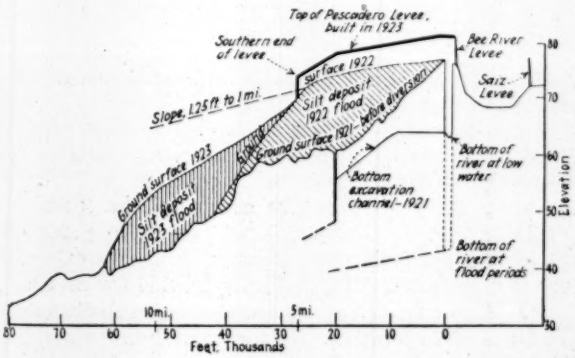


FIG. 3—LONGITUDINAL PROFILE OF PESCADERO CHANNEL



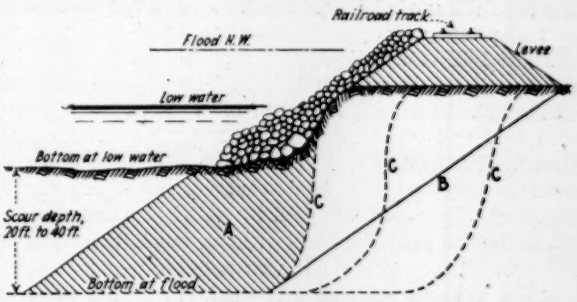


FIG. 4—LEVEE SCOUR AND PROTECTION
Typical sketch. Deep flood scour will undercut levee along a convex curve in a few hours. Unless enough large-size quarry stone is quickly at hand to fill several hundred lineal feet of such a large area as *A*, the levee will slough into the river along line *B* or will be undercut as the side of the channel *C* advances with erosion.

FIGS. 5 TO 9—SOME DELTA CONDITIONS PORTRAYED BY PHOTOGRAPH

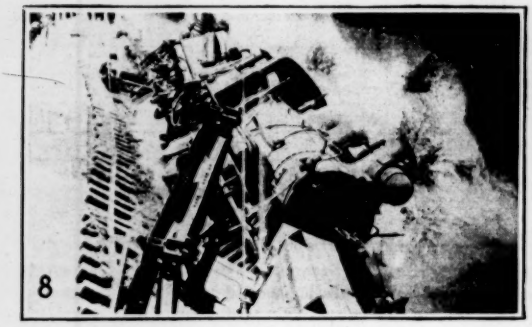
Fig. 5—River in flood, seen from airplane. Country submerged from river in background to levee line in foreground. Trees whose tops can be seen along river bank help to retard overflow and cause rapid deposition.

Fig. 6—Flood flow through small break in levee.

Fig. 7—Trainload of rock going to threatened levee.

Fig. 8—Maintenance train overturned on saturated levee. Such accidents are strong reasons against relying too much on emergency measures to deal with flood dangers.

Fig. 9—Pescadero Channel before diversion. This is the channel into which the diversion of 1922 was directed. It may be seen in cross-section on the profile, Fig. 3. In the first season's flood after the diversion the beaver dam seen in the view was buried under 25 ft. of alluvium. The channel, 12 ft. deep, was filled and an additional depth of 13 ft. of soil was spread over the land surface.



be a reversion to 1921 conditions, and the asset of the Pescadero diversion would be entirely lost.

No high flood occurred in 1924. Moreover, the low-water surface had receded before the flood season, during the falling of the 1923 flood. It was not necessary to make topographical observations in the winter of 1924 to 1925, other than such as could be obtained in the course of inspection trips. The 1925 flood also was small. However, a breach of the Bee River levee occurred, and much sloughing occurred at two other places. The breach was not serious, as (in accordance with forecast) no high flood occurred, and it was easily shooflied. Economy, dictated by political management, prescribed a get-by policy without much expenditure for protective work, and it was possible to adopt such a policy because no flood was coming. At the present time, however, it is important that surveys should be made to give data on the past two years' deposition along the Pescadero diversion, and to arrange for the protective and maintenance measures without which the works in their present condition will not be capable of resisting a high flood.

If the Pescadero diversion channel is once lost, a diversion by erosion along the same route could not be re-accomplished, because of the huge silt deposits along the upper diverted course, as shown in Fig. 2 and in profile in Fig. 3. Short distance and steep grade do not exist again from the Pescadero dam. An expenditure of a million dollars would not provide for an excavation large enough to promise a successful diversion from the same location. If the river became divided into two channels, one flowing through a breached levee, the diminishing flow to low-water conditions would soil-fill one of them, and the chances are that the diverted course into the Pescadero country would be the channel that would be lost.

No Engineering Supervision—Engineering supervision and direction on the delta have now been dispensed with, and a policy is substituted of divided responsibility without engineers, that will mean no direction

based on a sound engineering knowledge of changing topography, of soil-filled meanders and of new channel positions. The needed knowledge can be obtained only by consistent observation of the river's behavior to foretell points of scour danger along the levees, where perhaps 30 to 50 cu.yd. of rock revetment per lineal foot of levee may not be too much (as illustrated in Fig. 4) and by consistent recording of data on gage heights, levee freeboard, and river slopes, for men who know their value.

Physical changes occur so fast on the delta that such data put in graphical form present important comparative pictures for study. Analyzing these in the light of the experience of past years and previous floods, and long-time personal familiarity with the rivers, furnishes sound knowledge that diminishes much of the oft-quoted uncertainty expected of the lower Colorado. But the repeated dismissals of engineers as soon as they have become educated to delta conditions is a menace to the security that is apparently afforded by the protective levees. Engineering direction of that small but essential work to be done to prevent too much reliance on emergency measures during critical times, is consistently necessary to safeguard an accomplished work and thereby forestall the unexpected happening that will be again the excuse of the politician, if a reversion to 1921 conditions occurs.

Should such reversion happen in the next decade it would be a calamity, inexcusable from an engineering viewpoint. That it can happen is beyond doubt, for big floods with subsequent low water flows are due, and will undoubtedly occur several times before relief can be provided by constructed storage dams. And if a policy is adhered to of running a great ship without a captain—in this case an able engineer with the added experience obtained in the laboratory of the Colorado River Delta—the calamity *will* happen.

Low Concrete Strengths Found in Tests of Ribbed Floors

TESTS of ribbed floors of reinforced concrete and hollow tile recently carried out at the Bureau of Standards, Washington, and reported in Technologic Paper 291 by D. E. Parsons and A. H. Stang, produced some surprisingly low concrete strength figures.

The tests as a whole, which were made in co-operation with the Hollow Building Tile Association and had the object of determining whether the tile between the ribs of such floors contribute to the bending strength of the floor, revealed that the tile add considerably to the strength. The strength increment substantially corresponds to monolithic co-operation of tile and concrete, taking due account of the modulus of elasticity of the tile (in some of the tests this was lower than that of the concrete and in other tests higher). All of the beams were 8 in. deep. Some had 4-in. ribs, a 2-in. slab, and 8x12-in. tile, while others had no slab but consisted of 8x12-in. tile between 4-in. ribs, 8 in. deep. In both types of floor the bond between the concrete and the tile was sufficient to develop monolithic action, both at working stresses and at ultimate loads. This was shown both by the strength and deflection values and the manner of cracking of the beams at failure, the cracks going continuously through tile and concrete ribs. The tests all were based on direct comparison of composite tile-and-concrete beams with concrete beams containing no tile, and the results are therefore independent of the strength of the concrete. Cylinder and prism tests of the concrete, made upon specimens molded at the time the beams were poured, show variable and in general very low strengths of concrete.

A 1:2:4 mixture of concrete was used, made with Potomac River sand and ¾-in. Potomac River gravel; the mixing was done in a drum mixer. Two compression specimens were made for each beam, one a 6x12-in. cylinder cast in a standard steel mold, the other an 8x8x12-in. prism molded in a form of which two sides were made of oiled wood and the other side of either tile or wood, according to which material was in contact with the concrete in the corresponding beam. All these compression specimens were stored with the beams within 48 hr. from the time they were cast, and were tested at the same age as the beams or 102 to 106 days.

COMPRESSIVE TESTS OF 1:2:4 CONCRETE CYLINDERS AND PRISMS
(Age at test from 102 to 106 days. Storage the same as for corresponding beams)

Number	Date Poured	6x12 in. Cylinders Compressive Strength	6x12 in. Cylinders Modulus of Elasticity	8 x 8 x 12 in. Prisms Compression Strength	8 x 8 x 12 in. Prisms Modulus of Elasticity	Form Material
	1923	Lb.-in.²	Lb.-in.²	Lb.-in.²	Lb.-in.²	
E-2	Dec. 7	2,230	2,180,000	2,730	.....	Shale tiles
D-2	7	1,950	1,910,000	2,120	.....	Fire-clay tiles
D-3	7	1,530	1,770,000	2,450	.....	Fire-clay tiles
G-2	7	1,060	1,720,000	2,530	.....	Fire-clay tiles
H-3	7	2,050	2,020,000	3,310	.....	Surface-clay tiles
Average	.....	1,760	.....	.....	.....	
E-3	14	990	1,860,000	1,560	2,540,000	Shale tiles
A-2	14	850	1,450,000	1,450	1,650,000	Wood
B-3	14	1,100	1,780,000	1,490	1,210,000	Wood
N-1	14	880	1,540,000	1,800	2,220,000	Fire-clay tiles
K-1	14	1,130	2,160,000	1,570	2,150,000	Fire-clay tiles
Average	.....	990	.....	.....	.....	
N-2	21	1,260	1,780,000	2,210	2,450,000	Fire-clay tiles
M-1	21	850	970,000	1,850	1,900,000	Fire-clay tiles
O-1	21	1,220	2,140,000	2,640	3,300,000	Surface-clay tiles
L-1	21	1,310	2,440,000	2,140	2,190,000	Shale tiles
Extra	21	1,250	1,700,000	1,700	1,710,000	Wood
Average	.....	1,180	.....	.....	.....	
C-1	28	1,140	1,700,000	3,080	3,390,000	Surface-clay tiles
C-2	28	1,030	1,670,000	2,370	2,460,000	Surface-clay tiles
F-1	28	1,010	1,650,000	2,330	3,060,000	Surface-clay tiles
G-3	28	1,380	2,320,000	1,790	3,420,000	Fire-clay tiles
L-2	28	1,360	1,740,000	1,960	2,500,000	Shale tiles
Average	.....	1,180	.....	.....	.....	
	1924					
C-3	Jan. 4	1,100	1,670,000	1,240	2,040,000	Surface-clay tiles
F-2	4	990	1,380,000	1,780	2,550,000	Surface-clay tiles
J-1	4	880	1,430,000	1,330	2,080,000	Surface-clay tiles
K-2	4	820	1,370,000	1,430	2,560,000	Fire-clay tiles
M-2	4	1,030	1,410,000	1,240	2,020,000	Fire-clay tiles
Average	.....	970	.....	.....	.....	
F-3	11	450	990,000	1,440	2,040,000	Surface-clay tiles
J-2	11	530	900,000	1,150	2,020,000	Surface-clay tiles
O-2	11	720	1,240,000	1,240	2,080,000	Surface-clay tiles
K-3	11	560	1,050,000	1,030	1,940,000	Fire-clay tiles
M-3	11	470	970,000	1,330	1,960,000	Fire-clay tiles
I-1	11	660	1,050,000	1,020	.....	Wood
Average	.....	570	.....	.....	.....	
N-3	18	1,470	1,740,000	1,570	1,670,000	Fire-clay tiles
J-3	18	950	1,750,000	1,500	2,180,000	Surface-clay tiles
O-3	18	1,070	1,480,000	1,650	2,020,000	Surface-clay tiles
L-3	18	1,140	2,000,000	1,730	2,600,000	Shale tiles
Extra	18	1,170	1,960,000	1,430	1,060,000	Wood
Average	.....	1,160	.....	.....	.....	

From the attached table of results it appears that individual specimens ranged in compressive strength from 450 to 2,230 lb. per sq.in. in the case of the cylinders and from 1,020 to 3,310 lb. per sq.in. in the case of the prisms. The prisms consistently showed greater strength than the cylinders, by 50 per cent or more. Nevertheless, one group of six prisms averaged only 1,200 lb. per sq.in. compressive strength, or about half the usual compressive strength of concrete of this mix and age. The corresponding cylinders averaged only 570 lb. per sq.in., ranging from 450 to 720. The general average for the 36 cylinder specimens was 1,120 lb. per sq.in.; that of the 36 prisms 1,810 lb.

Road Progress in the South Atlantic and Gulf States

South Carolina	Louisiana
Georgia	Florida
Alabama	Mississippi

An Editorial Field Study of State Road Organization, Policies and Plans; the Trend of Highway Thinking; the Status of State Control; and the Progress in Engineering and Construction in Six Southern States

By John W. Shaver
Assistant Editor, *Engineering News-Record*

IV—Mississippi

OF ALL the highway departments in the Southern states that in Mississippi has had the most difficulty in establishing itself as the proper agency through which should be handled road construction and maintenance of a state-wide character. The highway commission is still fighting for proper recognition and construction funds. Since its inception in 1916 it has had little money with which to build highways, and it has always been the object of suspicion on the part of those state legislators who hearken so closely to the demands of local self-government. The highway commission today is just getting to the point where it has convinced the general public that what it is trying to do is sober and efficient road-making, but it yet has to convince the state legislature. However, it is hoped that at the 1926 session of that body at least proper authority will be given the commission, and a small construction fund. But heretofore any attempt to secure the sort of legislation that makes for the construction and maintenance of a state highway system that will meet traffic needs has been so thwarted that what legislation has been enacted has left county authority more or less supreme.

The reasons for such a condition are obvious. Mississippi has always been one of the staunchest of supporters of that form of government which meant local political control. It is difficult to override such a theory without any practical application. But when the theory is supplemented by the vesting in a state body power for complete administration of funds that are supplied by the counties themselves, the task is doubly difficult. In the minds of the local politicians remains the old belief that old ways are better, and that perhaps the younger generation of ideas will wear out with little use. The job of the state highway engineer has, therefore, been one of education and missionary work. It has been ambassadorial rather than technical. Two more years will doubtless make of the state highway commission an organization that can devote its whole time to the development of a road system that does need a lot of money spent upon it. Just what the vicissitudes have been can best be learned by reviewing the commission's history. In the beginning let it be said that the commission has been the object of almost continuous legislative scrutiny, but investigators have almost without exception left the inquiries boosters for the state highway commission and its general program.

Organization and Growth — The Mississippi State Highway Department was organized for the express purpose of administering federal-aid highway funds. It was authorized by the legislature of 1916 and the act creating the department became a law March 29, 1916. The first highway act authorized the appointment of a three-man commission, and the first meeting of that commission was held April 14, 1916. The commission named Xavier A. Kramer, of Magnolia, Miss., as the first state highway engineer, to serve for a three-year term. Mr. Kramer organized the engineering force of the department, which was small, owing to the small appropriation which was allowed by the legislature.

The first appropriation for the support of state highway forces was $6,500 for each of the years 1916 and 1917 and $10,000 for each of the next two years. Under these appropriations the State Highway Department proceeded to make surveys, prepare plans and let to contract a number of federal-aid projects. The cost of construction was borne by the counties in which the projects were located. Due to the small number of engineers in the department considerable difficulty was encountered in getting adequate supervision of work and proper administration of federal-aid funds. The commission, however, took up all of the funds the federal government allotted.

Realizing the difficulties the highway department was facing the legislature increased the annual appropriation in 1920 to $100,000. During the same session of the legislature the highway act was amended so that the personnel of the commission was changed to eight instead of three members, one member to be elected from each of the congressional districts in the state. Mr. Kramer's term had expired but he was continued as state highway engineer by the new commission, until such time as a successor could be appointed. H. C. Dietzer was appointed in July of 1920 and has held the office continuously since that time.

Staff Enlarged—With the increased appropriation the engineering forces were enlarged and put in a position properly to administer federal aid and supervise construction. But the actual construction funds came from the counties. The 1920 legislature also gave the state highway department 50 per cent of the motor-vehicle fees, and 40 per cent of a one-cent gasoline tax, the latter to be used for maintenance purposes. A large percentage of the former was also needed for maintenance. In addition to maintenance the license fees were used to construct short connecting gaps on the principal routes, and major bridge projects. A little of it was used to supplement county contributions toward federal aid. With such an organization the state supervised the construction of about $15,000,000 worth of work, almost half of which was federal-aid money. The main routes of travel were graveled, though in many places (particularly in the poorer counties) roads existed that were impassable during wet weather.

The legislature of 1924 made other changes in the highway law. It designated by route number and location, the roads that were to comprise the state highway system. Theretofore no designation had been made, though most of the construction work had been on the intercounty-seat highways and main market roads. That session of the legislature also repealed the provision which allotted a flat appropriation of $100,000 yearly and substituted one, which provides about the same amount, whereby the highway department should receive the profit on the sale of automobile license tags. It also gave the state highway department half of the gasoline tax that had been raised to three cents a gallon, but it ordered that the entire fund derived from motor vehicle taxation be returned to the counties. As the profit from the license tags was about sufficient to operate the highway department, and as the gas tax had to be used for maintenance, there was still no provision made for a construction fund. And the highway commission has none today, although it is hoped the 1926 legislature will give it one.

Powers Still Limited—It would seem that, though the counties do provide the money for construction, the state highway department would be able to wield supervisory power over all roads on the state system. But it still exists solely for the administration of federal-aid funds and maintenance. The county may build a link on a state highway that does not participate of federal aid, and the state has no control over its construction. That link may connect two federal-aid projects. The only power the state has in the matter is one of veto. It may reject for maintenance any such road that the county builds which does not meet certain standards of quality and specifications. That part of the 1924 law covering the duties of state and county on the state roads follows:

The roads above set out, constituting the state highway system, shall be maintained by the state highway department and no county shall be required to pay from their own county funds or road funds any part of the cost of maintenance of any road within such county, which may be taken over by the state highway department for maintenance, and the said state highway department is hereby vested with full authority and jurisdiction over the same, so far as their maintenance is concerned; provided, however, that before any link of said highway system is placed under the control and supervision of said state highway department, the said link of road shall be constructed by the county where the same is located and at the expense of such county. And when the board of supervisors of any county shall construct a highway from one point to another designated above (the designated system) which comes up to the standard required and tenders the same to the highway department, said highway shall be taken over and maintained by said highway department. That on request from the board of supervisors of any county, the state highway department shall file with such board a copy of its general specifications covering the various types of improvement to be made by such counties to bring state roads to a general standard, recommending the type that should be employed, and the width and character of the improvement to be made, consideration being given to present and reasonably probable future traffic needs, on each highway. All such highways shall be accepted by the state highway department in writing and such writing spread upon the minutes of the board of supervisors of said county, and an order entered by said board authorizing the state highway department to have supervision over and control of the maintenance of such road or highway. But, if after said highway department has been vested with full authority and jurisdiction over any road as provided for herein, it shall appear to said highway department that the cost of maintenance thereof will be decreased materially by any additional construction or enlargement of said road said additional construction and enlargement . . . may be done by said highway department and said road thereafter maintained by said highway department, and the cost thereof paid for out of the funds provided in this act for the cost of maintenance.

Thus it is seen that the state has little control over construction types that are not to be used on projects participating in federal aid. As a matter of fact the difficulties extend further. At the present writing (November) the state highway department and two counties are at a deadlock over two projects which have been approved for federal aid. The difficulty is over location. The county holds out for its location and the state believes another is best. The probable result will be that the county will forego federal aid and build a lower type road on its own location. That will doubtless mean traveling over a fair-weather route instead of a year-round road.

Some road work of course had been done by the counties prior to the passage of the Federal-Aid Act, but the construction was spotty. Gravel was usually laid on whatever road surface had been worn, with little subgrade treatment. Such roads took little heed of alignment, section or grade. In numerous instances the state highway department has had to relocate roads that are to be constructed with federal funds participating. In the reconstruction of the Jackson-Vicksburg highway, for instance, a project that is soon to be paved, probably 90 per cent of the existing alignment will be abandoned.

Attitude Toward Federal Aid — Like most of the Southern states Mississippi is a fervent champion of federal aid. It is said that had federal funds been withdrawn from the state two years ago it would have killed the state highway department. Should they be withdrawn early next year it would be crippled, but probably not killed. And if the federal government offers financial aid for two years more it is probable that the loss of revenue alone will be felt. Because of the fact the Bureau of Public Roads has been strict in its requirements as to alignment, grade and section, before a road would participate in the federal funds, the Mississippi counties have been accustomed to a supervisory control of types and method of construction. They have also shown some respect for efficient technical control, even though the expense has been greater than they have been used to. Therefore, the Mississippi Highway Department feels that the greatest good that federal aid has done has been in the strict technical supervision which the Bureau of Public Roads has wielded.

All of the work in Mississippi is done by contract. The counties actually sign the construction contracts and then turn the money over to the state treasurer, who meets the total payment for the work. If there is any money left after the highway is accepted it is returned to the county making the original payment. The state supervises the construction and, because it is a federal-aid project, takes over the road for maintenance.

Construction Types—Practically all of the construction is gravel. In about 5,500 miles in the state system, 3,500 miles of which are upon the important routes, the state maintains 2,500 miles and 90 per cent of that is surfaced. There are only about 160 miles of hard surfacing in the state on state routes, and all but about 20 miles is reinforced concrete, the other being divided between asphalt types and brick.

Gravel roads are built either of material taken from

roadside pits or of imported material. If gravel is locally available it is furnished by the county, and the contractor bids only on grading and placing. That system also holds for imported material, except for the fact that bids are taken on supply of gravel at the same time they are taken on grading and placing. In neither instance does the contractor supply the gravel, unless he makes two bids or a combination one.

The gravel used must conform to the specifications which require that 100 per cent pass a 3-in. screen. Of this between 45 and 75 must be retained on a ¼-in. screen. From 15 to 75 per cent of that retained on a ¼-in. screen shall be retained on a 1-in. screen and of that passing a ¼-in. screen from 15 to 35 per cent must pass a 100-mesh. Though this gives a good grade of material it is believed that the specifications can be somewhat improved.

In construction, the subgrade is first brought to proper cross-section and a trench prepared by plowing or machining the dirt to the side of the road. At the edge of this trench boards are placed in order to secure the proper depth and alignment. The boards are so placed that their top edge shall conform to the grade of the finished road, and they are kept in place at least 200 ft. ahead of gravel placement. The subgrade between the boards is machined and rolled and kept in proper shape. The boards are removed after the gravel is spread. The road is then rolled until there is no sign of waving in front of the roller. Gravel is spread to a uniform thickness of 8 in. measured loose. The shoulders are well banked with earth so that when the sideboards are pulled the gravel edges will not ravel.

The reinforced-concrete road put down is what is called the Maricopa section: 9 in. thick at the edges and 6 in. thick at the center. Shear rods along the edges constitute the reinforcing, and expansion joints are laid from 30 to 50 ft. apart, with slabs doweled. The asphalt types include bitulithic, rock, modified topeka and sheet, but of all these there are only about ten miles.

Personnel—Though the engineering organization is not so large as is found in other Southern states, it is of a flexible character and could be made to carry on an extensive construction program with few changes. The state highway engineer himself is the real executive head of the commission, acting for it when it is not in session, though the commission has a chairman. Directly under him are the office engineer, construction engineer, maintenance engineer and bridge engineer. The construction engineer is really a supervisor of design, as he does not superintend construction, that being left to the district engineers of whom there are seven. There are eight construction districts but the maintenance engineer handles the eighth district in addition to his other duties. All construction and maintenance are supervised directly by the district engineers. Project engineers, who are really resident engineers, operate under the district engineers.

Maintenance Practice — Maintenance is mostly by patrol, though there are a few heavy-duty gangs that supplement the patrolmen's work. Patrols are of two kinds: Man and team, and motorized units. It is the former that the heavy-duty gangs supplement mostly, for the equipment that a team can draw is too light for heavy ditch work. The teams cover from seven to ten miles of road and the motor units as high as twenty miles.

There is one detail of maintenance which is unusual The highway department can take over a road for maintenance without taking any of the bridges on it. That is done because so far the state has had little money with which to recondition bridges, all of that work, except on federal-aid projects, being done by the county. Bridges are accepted for maintenance only when they meet the standards imposed by the department. This covers all drainage structures, though most of the drainage structures on any road are culverts which the state really is able to install. It is estimated that to rebuild all of the bridges on state highways alone would cost about $25,000,000 if creosoted timber were used and about three times that amount for concrete structures. To rebuild structures that might participate in federal aid would cost $15,000,000 and $40,000,000, respectively.

The state highway department has all sorts of subgrade to deal with. In the delta region it is mostly silt in depths up to 100 ft. In the southern part of the state along the coast there is a sand-clay which makes an excellent natural road with little preparation. In the central section is found a very heavy clay with lime content that makes the worst sort of base for surfacing, and in the northeastern part there is a heavy black soil with a clay and lime content, with some outcropping of limestone. Such a wide variety of subgrade conditions must, when the state has funds with which to pave, become a subject for grave study. At the present time, however, gravel is spread on all of them.

Mississippi has had a little difficulty, as has Georgia, with contractors who bid too low. Several recent jobs have been completed by bonding companies. This is mostly for paving work. The gravel surfacing is something the contractors are better able to bid upon, but on concrete the total cost has run as low as $22,000 per mile, with the average around $25,000. It is apparent that either competition is keen or contractors are unfamiliar with the type of construction. At any rate low-bidding has cost the state inconvenience and some popular support. Gravel costs, for grading and draining, from $4,000 to $12,000 per mile, with the surfacing running from $2,000 to $7,500, making the average for the completed road between $12,000 and $15,000 per mile.

The Mississippi Highway Department is fighting hard for just recognition. It has overcome already a number of obstacles, but legislation is needed that will put adequate funds at its disposal and give it a free hand in the selection of location, alignment and type of highways that shall comprise the state system. Its problems are those of the pioneer. It is not so much concerned now with highway research as with saving an investment and getting on its feet. It is not a state from which one can get new ideas on design. But one can get a certain inspiration for its dogged attempt to educate the people and the legislature to the necessity of an adequate system of state-owned and controlled highways.

4,000 Tons of Sludge Towed to Sea Weekly

Treatment of the sewage of the Passaic Valley Sewerage District by sedimentation is now resulting in the production of 4,000 tons per week of wet sludge from 100 m.g.d. of sewage. The sludge is being barged to sea under a contract providing for dumping as far out as 10 miles from the Scotland light ship, at a price of 37c. per ton. J. Ralph Vanduyne, Newark, N. J., is chief engineer of the Passaic Valley Sewerage Commission

Engineering in the Small City

A series of notes from the field on the Problems and Practices of the Municipal Engineer in the Cities Below 100,000

The Editor Visits the City Engineer

Snapshots of Our Representative Small Cities

BUSINESS SECTION, MONTGOMERY, ALA.

Montgomery, Ala.

STATE CAPITAL OF ALABAMA and county seat of Montgomery County. Situated 180 miles northeast of Mobile, on the Alabama River at the head of navigation. Montgomery is an important commercial and railroad center distributing materials and manufactured products in all directions. The accessibility of timber and of coal and iron deposits has aided in the development of its many industries; there are railroad shops and factories of general and southern products. In 1540 De Soto discovered an Indian village near the present site of the city; settlers founded the place as New Philadelphia in 1817, it was named Montgomery in 1819, and in 1847 supplanted Tuscaloosa as state capital. For a time during the Civil War it was the capital of the Confederacy. Pop. 1920, 22,000.

THERE is scarcely a detail connected with the physical property of the city of Montgomery over which the city engineer has no control. Exceptions are equipment purchased for the police and fire departments. All the rest of the city's equipment is either purchased direct and operated by the city engineer, or bills for purchase must clear through him. He even has to okay bills for meat bought for the bear at the city park. And until recently he has exercised a sort of paternal watchfulness over the city's inhabitants, though, as a matter of fact, the shouldering of many incidental duties has not been of his volition. When the city engineer gets a telephone call that the grass in a backyard of some property owner needs cutting and that householder cannot find labor himself, it has been considered proper that the city engineer should get the labor. The obvious result of such responsibility has been to involve the department in small details from which, under the present régime, it is rapidly getting away. But his duties are still manifold.

Montgomery has the commission form of government. Three commissioners are elected, one of whom is the mayor, the others being the commissioner of fire and police, and of water supply and sanitation. The mayor is really the commissioner of streets. It may happen that the commissioners will change about even during their tenure.

The city engineer is appointed by the commissioners, and he in turn appoints his own engineering staff. The staff consists in three principal assistants (one of them called the assistant engineer) and subordinate office and field forces. Incidentally there are two rodmen, both colored, who have been with the city engineering department practically since its origin as a well-constituted office; the older in service is finishing his forty-first year. This colored rodman took great pride in recalling having piloted the late Rudolph Hering about Montgomery when the latter was in that city designing the first sanitary sewer which the city built.

Work in the engineering department is so divided that the assistant city engineer has charge of paving work, one of the others has sewers as his principal responsibility, and the third has charge of the office work. Naturally there is an interchange of duties where the occasion demands it. The assistant city engineer is also the city building inspector, by virtue of the engineering office he holds. There is another responsibility which the present city engineer has that is unusual. There is no statutory reason for his being so, but it so happens that J. M. Garrett, present city engineer, is chairman of the building committee of the school board, and by virtue of that office has something to say in the matter of school construction. Mr. Garrett has been in private engineering work in Alabama for many years, and has held the office of city engineer but a year. He and his son (and by the way all three of the principal assistants to Mr. Garrett are graduate engineers and young men) were among the project engineers employed by the state highway department before that organization had its own engineering force. They furnished the plans and supervised the construction of about the first eight of the federal-aid projects the state built. With such a regular staff as a nucleus the engineering organization is expanded as the work at hand requires. The appropriations allowed for engineering expense are liberal (amounting yearly to about $18,000 for salaries and office expense alone) and consequently there is afforded an elasticity which makes for competent engineering work.

Montgomery is not flat, so its drainage, both for storm water and sanitary sewage, is comparatively easy to accomplish. The presence in the vicinity of a very good grade of clay-gravel makes the building of earth roads inexpensive. Its engineering problems are not, therefore, so much of design as of operation.

Funds for carrying on public works construction are secured mostly through bond issues refunded by assessments upon the property benefited by the improvement. The entire cost of paving streets and intersections, curbs and gutters and sidewalks, is borne by the abutting property. Assessment of the intersection cost is made upon each side of the street in the four directions from the intersection, but only half the length of the street so affected. One-eighth of the intersection cost is pro-rated on a front-foot basis on each such half-block. As in other cities following this system of assessment, questions often arise from property owners when they get to comparing notes, on why there is such a variation in assessments for the same intersection, but it is due mainly to the fact that street lengths vary widely.

Though the city has the right to pave any street that it considers necessary, if more than 50 per cent of the property owners to be benefited by the improvement object to it, the street is usually held over for improvement until more favorable action can be secured. Payment for intersection paving formerly was borne by the four corner lots, but that system was not followed long, its injustice being obvious. Assessments are also made against abutting property to carry the cost of sanitary sewer construction.

In storm sewer construction (the sewerage facilities

are separate) the city has been following a plan of forming drainage areas, and assessing the cost of all storm sewer work within that area to the property drained. The cost is shared by all property on a front-foot basis, no matter how far from the work being done the lot may actually lie. The total cost of the work is figured, the total length of all lot frontages in the drainage district, and the per front foot cost found and the total cost per lot adjusted. It may happen that one man will own twenty or thirty lots in the territory so benefited, but an assessment is made for each of the lots. The city is now figuring on the construction of a sanitary outfall which is to cost about $150,000. It is estimated that at least 7,000 property owners will be benefited by the enlarged drainage facilities. Each of these will be assessed for the improvement, share and share alike, depending upon the lot frontage he owns. This improvement will entail the making of more than 8,000 separate assessments.

Water—While the water supply system is in charge of a commissioner the city engineer has practical control of all properties, including pumping station, standpipes, mains, and in fact all physical properties belonging to the department. Recently the commissioners have given the city engineer additional charge of the entire water-works office force, including reading and repairing of meters and the hearing of complaints as to excessive water bills. The actual work of the department, however, is under the supervision of the water-works engineer, who, of course, consults his chief in all matters of policy other than mere details of operation. Heretofore, the city of Montgomery by bond issue or otherwise has installed all of the standpipes, pumps, water mains, hydrants, etc., without assessment against the property, the same being paid for by general bond issues. Lately, however, a ruling has been adopted that if a water main or hydrants are to be put in in an undeveloped section, the property owner, or owners, make up the fund according to estimates of the engineer, and when this fund is in the hands of the city treasurer, then the city makes the installation.

It may be said in passing that all of the assessments are made up by the engineer's office. He even transfers the amount of the whole tax for each lot to the city treasurer's books. It is thought this information is all that the treasurer needs. If there is any question as to what items that total tax contains, the property owner is referred to the city engineer's office. The treasurer merely makes the collections.

Paving—A considerable mileage of brick paving was constructed by the city in the years 1894-1896. That is badly in need of maintenance now, and it is found difficult to maintain because of the absence from the market of the small bricks which went into the original pavement. The city has been doing a large amount of new work within the past two years, and almost all of it has been sheet asphalt work. Oil asphalt has replaced lake asphalt within the past year, the former being found as good a material and less expensive. In the last three years there have been about 300,000 sq.yd. of asphalt laid at an average cost of around $2.60 a yard. The sheet is 1½ in. thick with a binder of the same thickness, and is laid on a concrete base 5 in. thick of a 1:2½:5 mix. Sidewalks are generally of cement with a 2¾-in. base and a 1¼-in. top. This

Engineering Work

thickness varies only at driveways, where it is 6 in.

Granite curbing is laid invariably. When new paving work is done the asphalt is laid clear to the curbing. If there is already a gutter in, it is torn out and replaced by the same material of which the street is paved. This practice is followed because it has been found that where the paving and gutters were of asphalt and concrete, respectively, the gutter soon shreds at its joint with the asphalt. The result is holes between gutter and paving, with consequent danger to the subgrade through seepage. The best granite block obtainable is now being used for curbs and is set in place at a cost of 95c. a lin.ft. With the type of construction now in use it was found slightly difficult at first to convince contractors that a roller could operate flush with the face of the curb, but the contractors are now used to it and do a thorough job. There is a little asphalt squeezed up against the face of the curb which makes practically a watertight joint there.

Terra-cotta pipe is used altogether for sanitary sewer work. The sanitary system contains no pipe above 24-in. and that is now being installed to take care of the city's sanitary needs for many years to come. There are numerous outfalls into the Alabama River, and the sewage is given no treatment. Storm sewers are of terra cotta for the smaller sizes, and mostly concrete pipe with some monolithic sections for the main trunks. The city is practically 70 per cent serviced with sanitary sewers. There is a dry can collecting system for the unsewered section, which is mainly in outlying colored slum areas.

Were it not for the fact that about half of the surface water in Montgomery gravitates into one channel, the disposition of storm water might prove a problem. As it happens the city is cut in half by a natural waterway which has been straightened, cleaned and controlled by putting it into either pipe or box-section monolithic drain. The size of the section along this main outfall runs from 15 in. in diameter to a 10x20-ft. rectangular section. The city has to maintain the waterway from the city limits out five miles, where it reaches a larger stream. The need for extensive storm drain installations is seen when it is known that as intense a rainfall as 7.92 in. has been recorded in twelve hours. The yearly precipitation is about 50 in.

Montgomery is doing some research in connection with street paving which might be followed to advantage elsewhere. It has laid three parallel streets upon which the traffic conditions are almost identical with: (1) lake asphalt, (2) oil asphalt and (3) bitulithic. The two types of asphalt are built of a 1-in. binder with a 1½-in. top on a 5-in. concrete base, and the bitulithic is a 2-in. wearing surface on a 4-in. concrete base. It is intended that accurate maintenance figures on these three streets shall be kept and when replacement is necessary there will be accurate data upon which to design the new paving. The information will also serve as a guide to the construction of other streets.

Though traffic regulation is a police function in Montgomery, the city engineer lays out parking zones and advises as to the purchase of control signals. So far

Of the Small City

not much automatic signaling of traffic has been done, due first to the fact that the old part (and the most active business section now) is not laid out in the grid system, and secondly because of the width of the streets. Most of them are 100 ft. between property lines.

Though garbage collection is made by the commission of water supply and sanitation the physical equipment necessary is under the control of the city engineer. Garbage is dumped at the outskirts of the city and the maintenance of that dump is also an engineering function. Finally, other functions given Mr. Garrett which are seldom found are the indirect control of plumbing and lighting inspection, for both the city plumbing inspector and the city electrician report to the city engineer.

In conclusion let it be said that few city engineering offices are found where such complete accord exists among its principals. Mr. Garrett has a staff of young engineers who are efficient and active, but not too serious minded. The reason for such a well balanced staff is found when one spends several hours with Mr. Garrett himself.

Freezing in Wood-Stave Pipe at Everett, Wash.

EVERETT, Wash., is served by a 26½-mile continuous wood-stave pipe line which brings water to the city from the Sultan River. About 8 miles of this line is not covered and each year some ice collects in this exposed portion of the line during the winter time, but usually not enough to interfere seriously with the supply. Last winter an unusually hard freeze reduced diameter of the line to 8 in. and for a few days caused a water shortage. Conditions leading up to this situation and the results of the freeze are as follows:

In the Northwest the usual practice with regard to wood-stave pipe is to cover it with earth where possible. In some locations there is danger of freezing and there is always the fire danger and the deteriorating effect of sun and weather on its surface. In the construction of the Sultan River supply line the money available was not sufficient to cover the entire line and the only portions backfilled were those endangered by logging operations or some other special condition.

The line has now been in service nine years and the exposed portions have been checked and weathered so that considerable maintenance is required. With some repairs, the line can be expected to last for eight or nine years more if left where it is but it is not considered feasible to take the line down and move it, which would be required if it were to be put in a trench.

The excessive amount of freezing that occurred last winter is ascribed to a strong wind which blew continuously for several days of very cold weather. During this period it was noted that after a lining of ice 3 in. thick had formed inside of the pipe the ice thickness increased 1 in. every 24 hours. By the time the weather began to moderate the thickness had increased to 10 in. on the entire perimeter, leaving only an 8-in. opening in the center. About 8 miles of the 26, it is believed, was frozen to this extent. The thickness was determined by actual measurements through holes bored into the pipe and through the ice lining. Another check on the constriction of the diameter due to ice was made by calculating the diameter of a line that would deliver the quantity of flow measured at the outlet. This checked very closely with the 8-in. figure determined by direct measurements of the ice lining.

Nothing could be done to clear the ice from the line. However, a full pressure head was maintained to keep the line open if possible and provision was made for removing the ice at a sand box as rapidly as it thawed, so as to prevent clogging the line farther down. Fortunately an open sand box was located just below the section where the most serious freezing occurred. When the weather changed, the sun warmed the pipe line somewhat so that ice broke loose and was carried out into the sand box. Workmen were stationed there, ready to remove it, and no ice was allowed to continue on through the line. The velocity in the pipe was 3.5 ft. per second, which proved to be sufficient to carry through the fragments as they loosened and broke away from the inside of the pipe.

During this freeze there was considerable damage to the pipe of a sort which occurs to a lesser extent every winter, even when no ice gathers on the inside of the pipe, namely, the breaking off of the upper half of staves at the ends. In the construction of this pipe the joint between abutting ends of the staves is made tight by a metal key extending a few inches into each stave. As the pipe is under a head that ranges from 40 to 300 ft., the staves are saturated at all times, and when temperatures are low enough, particularly if the stave ends have a "slash grain," the portion of the staves above the key will be broken by the lifting action of the frost. This might not occur if circumferential rods were close enough. On this line the spacing of these rods is 5 in. and where joints occur between the bands there is always this danger in cold weather of spalling off stave ends for a few inches back from the joint. Operating experience with this line has led to the suggestion that the spacing should not exceed 2 in. where danger exists.

Repair of these spalled ends is made by placing a galvanized iron plate over each break and holding it in place by the use of two additional bands. These plates are ordinarily 6x8 in. in size and all four edges are sheared in the same direction so as to get a raw edge on the same side of the plate all around. A ball peen hammer is then used to tap these plates down into the wood, the raw edges giving a sufficient "bite" into the wood to make the covering watertight when held in place by the bands. In the worst section of this pipe line, 3,000 to 4,000 of these patches were put on within two miles.

For the foregoing information *Engineering News-Record* is indebted to Carl Klapp, superintendent of Everett Water Department.

Surface Treating Old Brick Pavement

During 1924 Rockford, Ill., resurfaced 13,513 sq.yd. of old vitrified brick pavement with a seal coat consisting of 0.57 gal. of 90 penetration asphalt. Coarse or torpedo sand 109 lb. to the square yard, was used as a covering. The asphalt was applied after thoroughly sweeping and flushing with a compressed air distributor under 15-lb. pressure. The cost was 7.5c. per square yard and of sweeping and flushing 50c. per 1,000 sq.yd. The work was done in August and is considered an experiment by Bernhard C. Harvey, city engineer.

Concrete Pump Pit Sunk as An Open Caisson

Walls Built on Steel Shoe—Forms Had Exceptionally Rigid Design—Water Jets Opening Out of Shoe Proved Ineffective

By B. Stanley Nelson
Chief Engineer, A. M. Lockett & Co., Ltd., New Orleans, La.

An interesting open caisson operation has recently been carried out by the contractor for the new city water-works station at Vicksburg, Miss. The water-works system there comprises: First, the low lift raw water pumps, which elevate the raw water from the Mississippi River into filter basins, where it is clarified and treated; and second, the high lift pumps, which take the filtered water from the storage basin, and deliver it to the city mains and standpipe.

At Vicksburg the Mississippi River has a maximum recorded range of water elevations from —6.5 to +55, a total range of 61.5 ft. To enable the raw-water pumps to take water at extreme low river, it is necessary to locate them in a deep pit. The ground line at the point where the pit was located was approximately El. +51, and the floor of the pit was fixed at El. +8, which would enable the pumps to operate successfully with the river at several feet lower than the present recorded low water. The top of the pit was made El. +58 to allow for unexpected elevations of high water. The floor of the pit was 5 ft. deep making the elevation of the extreme bottom of the caisson El. +3 and the extreme top El. +58, or a height of 55 ft., with an outside diameter of 19 ft. and an inside diameter of 17 ft., Fig. 1.

The site of the pit was carefully chosen by making exploratory borings with a 1-in. pipe under city water pressure of 115 lb. It was known that there was rock underlying this section, and the idea of the borings was to locate a suitable point where the bottom could be embedded in rock without excessive excavation. The point chosen had a level area of rock ample for the diameter of the pit at approximately El. +9 ft., which would allow the bottom of the pit to seal in the rock for about 5 ft. At the time the work was planned, it seemed likely from a study of the river records that the lower half of the pit would have to be sunk in wet material, for which reason it was decided to use the open caisson method of sinking.

Equipment and Forms—The equipment devised for this work comprised: (1) the caisson shoe; (2) collapsible circular steel forms, and (3) a gasoline-engine-driven derrick with half-yard clamshell bucket. The shoe was made as shown by Fig. 2 of ⅜-in. boiler plate, with all outside joints and rivet heads flush with the surface. It was shipped in two sections, which were bolted together on the job.

It was anticipated that there might be some trouble from the caisson going down crooked, and this contingency was to be met by means of water jets at the inside and outside bottom of the shoe. There were 36 of these jets, 18 inside and 18 outside, each jet consisting of a ¾-in. pipe nipple welded onto the shoe, and each three jets communicating with a single 1¼-in. pipe through a welded header. These 1¼-in. pipes were extended above the top of the shoe, and as each successive section of concrete was poured, as described later, they were extended by new sections equivalent to the length of each ring of concrete. It developed that these jets did not work as well as anticipated; they were really of no use on the job.

The collapsible forms are shown by Fig. 3. These were made of comparatively light sheet metal, securely stiffened by angles as shown. Both inner and outer forms were made in four sections each for convenience in handling. The inside forms had provision for adjusting the curvature, as it was feared the form might get out of round. It developed, however, that such provision was unnecessary, as the forms remained truly cylindrical, due to ample stiffening from the circular angles. The form sections had eye-bolts at proper locations for handling them by a derrick.

It was necessary to slot the holes in the bolting-up straps of the inner form sections, to compensate for the contraction of the radial bolts, to which the forms were bolted. These bolts were extremely useful in the construction as planned.

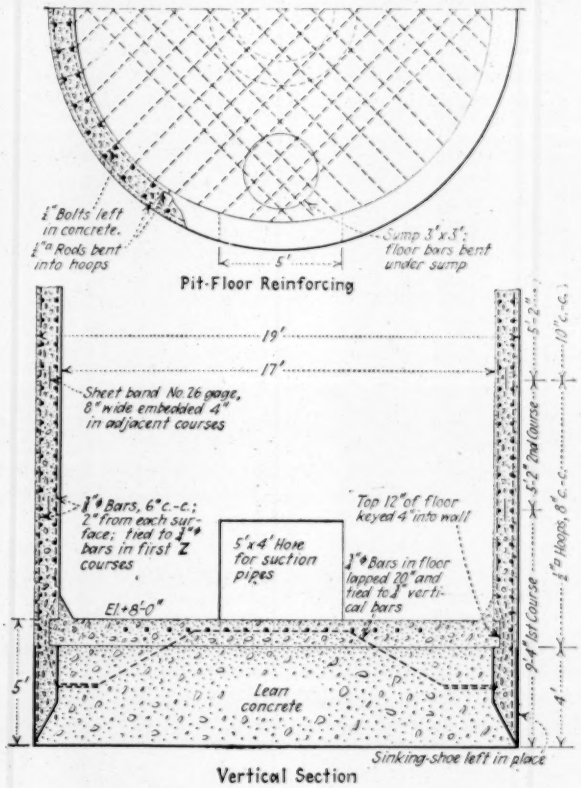


FIG. 1—PLAN AND SECTIONS OF CONCRETE PUMP PIT
Attention is directed to the reinforcing for the floor and the manner of locking the floor slab into the walls to resist upward pressure.

It will be noted that both the caisson shoe and the steel forms have a row of ¾-in. holes placed 6 deg. apart, both inside and outside for ½-in. bolts. These bolts served several purposes. When the shoe was filled with concrete, a set of bolts was embedded within the concrete with the ends projecting through the holes just mentioned. The inner form was then bolted onto the shoe by means of these bolts, and a second set of bolts was fastened at one end to the upper edge of the inside form. These projecting bolts were then used for fastening in the proper location the vertical and longitudinal reinforcing bars for the concrete, after which the outside sections of the form were bolted onto the

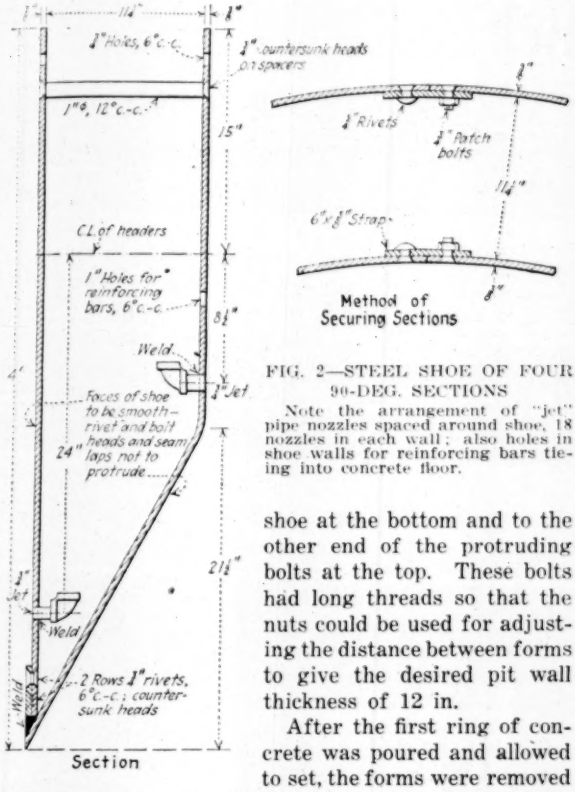


FIG. 2—STEEL SHOE OF FOUR 90-DEG. SECTIONS

Note the arrangement of "jet" pipe nozzles spaced around shoe, 18 nozzles in each wall; also holes in shoe walls for reinforcing bars tieing into concrete floor.

shoe at the bottom and to the other end of the protruding bolts at the top. These bolts had long threads so that the nuts could be used for adjusting the distance between forms to give the desired pit wall thickness of 12 in.

After the first ring of concrete was poured and allowed to set, the forms were removed and raised up another ring in height and bolted onto the bolts which had previously been at the top of the form. Each lift was 5 ft.

Construction Methods—The first step in the construction after the derrick was assembled was to dig a pit about 6 ft. deep of sufficient diameter to accommodate the shoe and allow working space on the outside. The shoe sections were then lowered into this pit and assembled, and filled with concrete, the idea being to avoid the necessity of wheeling the concrete to an excessive height, and yet keep the form assembling above ground.

The concrete used was a 1:2:4 mix of washed gravel ¾-in. and under, and sharp coarse sand. This was mixed purposely in a small mixer of one-half bag batch capacity, as it was thought that better mixing would result as well as better ramming by the use of small batches. The concrete was allowed to harden about three days before the forms were stripped and moved up.

Due to an unexpected low stage of the river, because of the drouth, the pit was sunk practically in the dry, for which reason it was found advantageous to dispense with the clamshell bucket, and excavate by hand, loading the material onto wooden skips, which were raised with the derrick and dumped on the spoil bank outside. It was found that the rate of lowering the pit was approximately one ring of 5 ft. per week.

Due to the extremely dry condition of the soil, when the pit was about 25 ft. down the caisson failed to sink further. The water jets were tried in an effort to lubricate the walls, but were unsatisfactory, and it was found necessary to probe with a pipe and water jet at intervals of several feet around the outside to soften the earth after which no trouble was experienced.

When the pit was 35 ft. down, an unexpected accident occurred. A leaky water main at one side softened the earth, which caved in and came up under the shoe into the excavation. The side thrust of this material rushing in at one bottom side with the unsupported earth pressure at the top opposite side, canted the caisson seriously. This trouble was overcome by taking several wraps around the outside of the caisson with a heavy steel cable, which was laid over the top and tied down to some heavy logs embedded in the river bank. This cable was tightened and fastened in such a way that as the caisson went down further it would cause a side pull, and it was found by excavating carefully under the shoe with an excess of excavation at the high side, that the caisson very readily straightened up again.

When the rock was reached at El. +9, some further trouble was experienced in sinking. The rock is a soft material, apparently a shale. It was impossible to

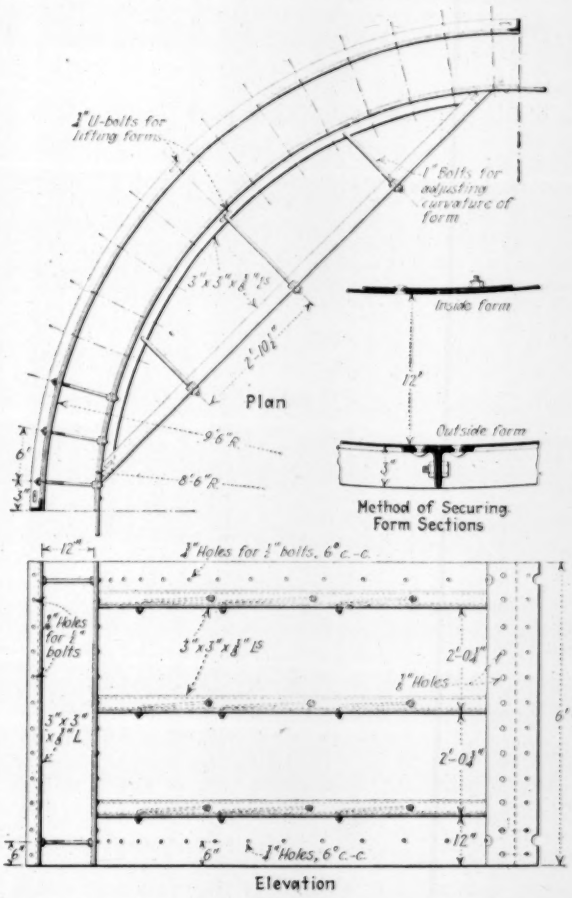


FIG. 3—FORMS FOR CONCRETE PUMP PIT WALLS

Note the angle stiffeners and the bolts for adjusting the curvature of the inside form.

jet into this, as was done earlier in the work, so the caisson was weighted down with a quantity of cast-iron pipe, valves and fittings, and gradually settled to its proper elevation, after which the heavy reinforced bottom was poured. This bottom is tied to the walls, first by the tapered inside section of the shoe, second, by the ¾-in. reinforcing bars projecting from the inside of the shoe, and third, by a substantial keylock, which is made into the walls of the pit just above the top of the shoe.

The total time occupied in sinking the pit from the time the shoe was assembled to the completion of pouring the bottom was approximately 64 days.

From Job and Office

Hints That Cut Cost and Time For the Contractor and the Engineer

Rapid Winter Concreting on St. Louis Municipal Market

IN THE construction of the new municipal market and garage at St. Louis, Mo., the limited storage space at the site necessitated a large bin capacity to provide for rapid progress in the mixing and placing of 12,500 cu.yd. of concrete, containing 800 tons of reinforcing steel. A bin capacity sufficient for three or four hours' continuous pouring was considered necessary to take care of possible delay in the delivery of materials by trucks. This reinforced-concrete building is 195½x270 ft. in plan, with a column spacing of 28½x30½ ft. It is four stories high, with steel roof trusses carried by steel wall columns in the fourth story.

The number of construction joints was limited by the specifications to one longitudinal and three transverse joints in each floor. A day's pour averaged 325 to 340 cu.yd., and there were 2,600 to 2,700 cu.yd. per floor, exclusive of the columns, as a construction joint was allowed at the base of the column capitals. This meant, in an eight-hour working day, the pouring of at least 40 cu.yd. per hour. The time of mixing in the mixer was specified as two minutes, which made the total time per batch approximately 2 min. 20 sec. It was therefore necessary to use a battery of two 1-yd. mixers in order to keep up with the program. The mixers were placed at basement floor level on one side of the building, with the material bins overhead and discharging directly into the mixers. This arrangement made it necessary to use non-tilting mixers of the drum type in order to conserve in height, as the material bins were supplied by the trucks from a driveway on top. The mixers discharged directly into a single bucket with a quick shift arrangement. The latter device, with a sliding frame for a take-off at any height, made only one tower necessary. All the concrete was spouted directly into the forms.

This concreting plant, with steam hoist, mixers, tower and material bins was erected in the street. The bins had a capacity of two car-loads of sand and four car-loads of gravel; cement was stored in a house of one-car-load capacity, adjacent to the tower and mixers. All concrete was a 1:2:4 mix, with 8 per cent of hydrated lime; for the finishing surface of the floor a 1:2 mix with traprock was used, deposited to form an integral part of the slab. Steel forms were used for the columns and wood forms for the floors, the latter being used twice as a rule. Steel chairs supported the reinforcing rods in the floor forms. Precast concrete roof slabs were carried to the fourth floor in motor trucks running on the ramps which serve the garage. Forms and falsework were left in place for a minimum of 18 days, with 12 days re-shoring.

The total amount of excavation, 29,000 cu.yd., was accomplished with two steam shovels (both in operation only 60 per cent of the time) in fifty days, which was an average of 580 cu.yd. for a nine-hour working day. In concreting, an average of about three weeks

CANVAS ENCLOSURE FOR WINTER CONCRETING
Wooden trusses support canvas roofing.

was necessary for the construction of each floor. This required the building of over 50,000 sq.ft. of forms and the pouring of about 3,000 cu.yd. of concrete. The maximum pour for a single day was 381 cu.yd. The erection of 250 tons of structural steel in the fourth story and roof was accomplished in eight working days. A construction force averaging 180 men was maintained for the rapid progress of the work.

As the building had to be constructed during the winter of 1924-1925, a method of concrete protection was devised, consisting of canvas roofing stretched over wooden trusses supported at the column and valleyed to drain off all water. In this way the area of one entire floor was enclosed for concreting. The canvas was bellied out over the spandrel beams to allow free

(Continued on p. 1082)

Two Useful Cost Report Forms for Contractors

TWO forms for reporting and recording costs, which have been worked out particularly for use in sewer and water-works construction, are shown to small scale in the accompanying illustrations. The "equipment record" is a consolidated form made up from a number of others which have been published and, except perhaps in the consolidation, presents nothing original. One sheet, it will be noted, contains the record of a machine during its life. The illustration shows only

FORM 1.—FORM FOR LIFE RECORD OF A UNIT OF EQUIPMENT
Original sheet 8½x11 in.

the face of the form. Its reverse is ruled to record any rental income the machine may bring. This form being a permanent record is printed on good quality cardboard. Form 2 is a foreman's daily report form and is notable for embodying costs and receipts on the same form thereby definitely showing the actual profits or loss of each foreman on the daily report of foremen. This sheet is made up from the daily time distribution sheets handed in by the foremen.

These forms have been worked out and found successful in use by J. Ray McAuliffe, general superintendent for J. D. Hanley, general contractor, Portland, Ore.

FORM 2—FOREMAN'S DAILY REPORT FOR SEWER CONSTRUCTION
Original form 11x8½ in. Waterworks form closely similar

709 GASCO BUILDING
PORTLAND, ORE.

J. D. HANLEY—GENERAL CONTRACTOR

EQUIPMENT RECORD

FIRST AND CEDAR STS.
KELSO, WASH.

ARTICLE NUMBER
DESCRIPTION
MFG'S NAME
MFG'S SIZE MFG'S TYPE MFG'S NO.
PURCHASED FROM DATE
PURCHASE PRICE OF ARTICLE
ACCESSORIES
"
"
"
"
"
TOTAL INITIAL COST
FREIGHT $ HAUL ERECTION $
TOTAL COST IN PLACE

ESTIMATED LIFE YRS ANNUAL DEPRECIATION $ SALVAGE VALUE $
JOB RENTAL RATE $ PER MONTH WEIGHT LBS
CONDITION OF PURCHASE
REMARKS

DEPRECIATION AND INVENTORY VALUE

AGE	FIRST VALUE	DEPRECIATION	INVENTORY	AGE	FIRST VALUE	DEPRECIATION	INVENTORY
1 YEAR				6 YEARS			
2 YEARS				7 YEARS			
3 YEARS				8 YEARS			
4 YEARS				9 YEARS			
5 YEARS				10 YEARS			

REPAIR RECORD

DATE	DESCRIPTION OF REPAIRS	COST

FORM JDH-109

J. D. HANLEY
GENERAL CONTRACTOR
709 GASCO BLDG., PORTLAND, ORE.
301 MASONIC BLDG., KELSO WASH.

JOB
LOCATION

DATE 192

DAILY REPORT OF FOREMAN

COST OF LABOR				HAND EXCAVAT'N	BACKFILL	PIPE LAYING	PIPE HAUL	LUMBER HAUL	CONCRETE MATERIAL HAUL	LAGGING	FLOORING	CONCRETE BASE	MANHOLES	FLUSH TANKS	SUMP	PUMPING	EXTRA WORK
MEN	HRS.	RATE	AMOUNT														
TOTALS TODAY																	
BROUGHT FOR'D																	
TOTALS TO DATE																	

(Sewer Construction Form)

(Note: Use reverse side for calculations of unit costs, progress etc)

WORK DONE

ITEM	STA TO STA	LIN. FT.	QUANTITY	UNIT	BID	AMOUNT	REMARKS
							Todays Receipts $
					Contract Prices		Actual Labor and Material costs: Labor $; Pipe $; Gravel $; Cement $; Lumber $; Etc $
							Todays Expense $
							S or D
							Forward S or D
							S or D
			TOTAL TODAY				
			BROUGHT FORWARD				
			TOTAL TO DATE				← Note: This figure represents total estimate to date

circulation of air heated by salamanders placed on the floor below. The concrete materials were also heated before being deposited in the forms. Live steam was discharged into the sand, gravel and water before entering the mixer. In freezing weather, the concrete had an average temperature of about 60 deg. F. when leaving the mixer and 50 deg. when deposited in the forms, having lost about 10 deg. in an average travel of 250 ft. in the tower and chutes. No concrete was poured in weather under 20 deg.

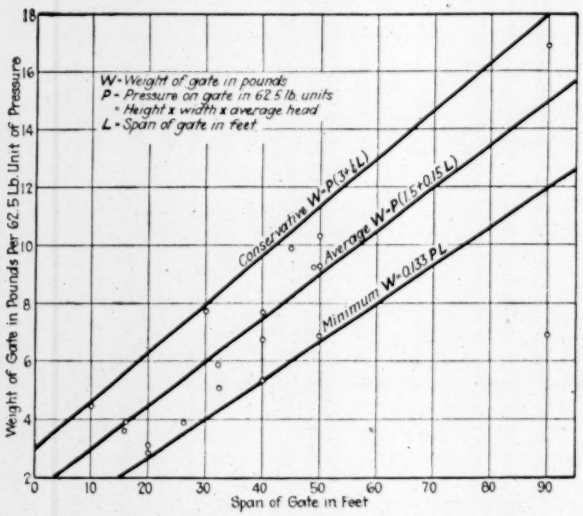
This municipal structure was designed in the bridge and building division of the Board of Public Service; L. R. Bowen, chief engineer; E. E. Christopher, architect; W. R. Crecelius, civil engineer; and F. N. Hatch, engineer in charge of construction. The general contractor was the Fruin-Colnon Construction Co., St. Louis, with C. F. Newes as superintendent and James D. Tancil as resident engineer.

Weight of Stoney Sluice Gates

By E. W. Lane
Detroit, Mich.

In the study now being made of the improvement of the St. Lawrence River for navigation and power development, the question of the cost of Stoney sluice gates came up. A search of engineering literature revealed considerable data on the weights of gates of different dimensions. This was analyzed on the accompanying diagram.

This diagram gives the weight in pounds per 62.5 lb.



ESTIMATING CHART FOR STONEY GATE WEIGHTS

unit of pressure on the gate, for gates of various spans. To find the weight of a gate, take the product of its width, its height, the average head, or head at the center of the gate, and the value shown from the curve for a gate of the given span. Three curves are shown, with a corresponding formula for weight of gate. The proper curve to use will depend on the degree of conservatism desired in the estimate. In some cases it was not possible to determine from the literature if the weights given included the guides and rollers and values near the conservative curve probably include them. They do not include the weight of towers, hoists or counterweights.

These curves can also be used in estimating the weights of sliding gates built of structural shapes.

From Job and Office

Hints that Cut Cost and Time

Hydraulic Machine Bends Reinforcing Steel on Large Sewer Job

In building the Flatbush relief outfall sewer in Brooklyn, N. Y., a $3,250,000 project, consisting of something over three miles of reinforced-concrete sewer, manual methods for bending the reinforcing steel were found to be very inefficient and costly. The outgrowth of the condition was that the contractor

FIG. 1—HYDRAULIC MACHINE FOR BENDING REINFORCING STEEL

designed and built a machine in which hydraulic cylinder mechanisms (Figs. 1 and 2) bend the reinforcing bars to the proper shapes. Thus, all bending is done at a central bending plant and the steel is transported by truck to the construction operations.

The machine consists of a table equipped with a system of guide templets and on either end a set of revolving dies. Some of the templets are fixed and some are loose as shown in Fig. 2. The latter are moved by hydraulic pistons, thus bending the steel to the required shape. All steel is bent into either double or single truss bars with hooked ends. The latter are formed by the revolving dies. The first operation consists in placing the truss in the bar by means of the cylinder piston rods. The cylinders are hoist cylinders taken from old motor trucks. The two cylinders move together and are operated by a three-way valve. This three-way valve permits pressure to be put on either side of the piston, thus moving it either forward or backward. The guide templets at either end are fastened to a sliding plate which can move in either direction, thus taking care of the shortening of the bar resulting when it is trussed. This sliding plate is plainly shown in Fig. 1.

After the truss is placed in the bar the ends of the bar are fastened in the revolving dies. These also operate together, the hydraulic pressure being controlled by means of another three-way valve directly across the table from the one operating the guide templet pistons. As shown in Fig. 2, the revolving dies are operated by a separate pair of hydraulic pistons placed longitudinally beneath the table. A large gear wheel is mounted horizontally on the vertical shaft of

From Job and Office

For Contractor and Engineer

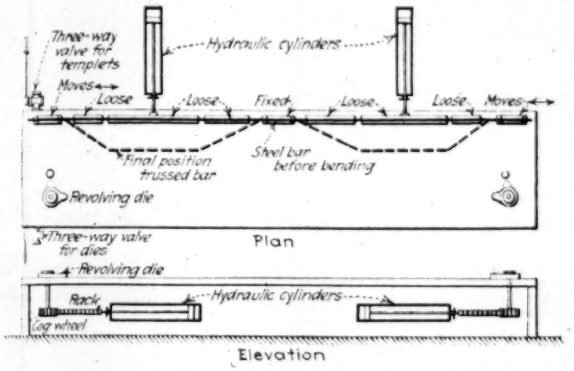


FIG. 2—HYDRAULIC BENDING MACHINE WITH DETAILS OF OPERATING MECHANISM

the revolving die. This gear engages a rack attached to the hydraulic cylinder piston.

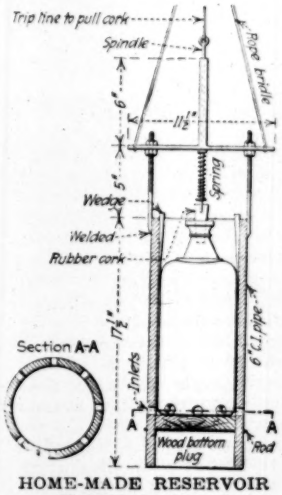
Pressure is supplied by a triplex pump getting its water supply from a temporary steel tank. A relief valve is placed in the high pressure line of the pump and set at 120 lb., which is the maximum pressure used on the machine. Oil is placed in the water to lubricate the cylinder parts. As much as 25 tons of double truss steel has been bent and hooked in 8 hr. with this machine.

The sewer is being constructed by the Montrose Contracting Co., under the direction of the Bureau of Sewers, Brooklyn, Arthur J. Griffin, chief engineer.

Sounding Bottle for Taking Samples of Water in Reservoirs

A HOME-MADE device designed to simplify taking samples of reservoir water at varying distances below the surface has been developed by the water department of Everett, Wash. Details are shown in the accompanying illustration.

The device consists of a one-gallon bottle fitted into a section of 6-in. cast-iron pipe and equipped with a rigid frame at the top supporting a rod and a spring. The rod is guided by a 6-in. length of tubing so that when the rod is withdrawn and then released the spring forces it back into its previous position. By this means a cork attached to the end of the rod can be withdrawn and then replaced by pulling and releasing a trip line. The method of operation is simply to lower the weighted bottle to the desired depth, as indicated by marks on the sounding line, and then to draw the cork by means of the trip line. When bubbles no longer come up the trip line is released and the spring returns the cork to its place.



HOME-MADE RESERVOIR WATER SAMPLER

It is to be noted that this spring should be strong enough to thrust the cork firmly into place and hold it there, but not so strong that the pull on the trip line required to compress it will raise the device while its effective weight is decreased by the buoyancy of the empty bottle. With a spring of the right tension a quick jerk will release the cork without materially disturbing the position of the bottle.

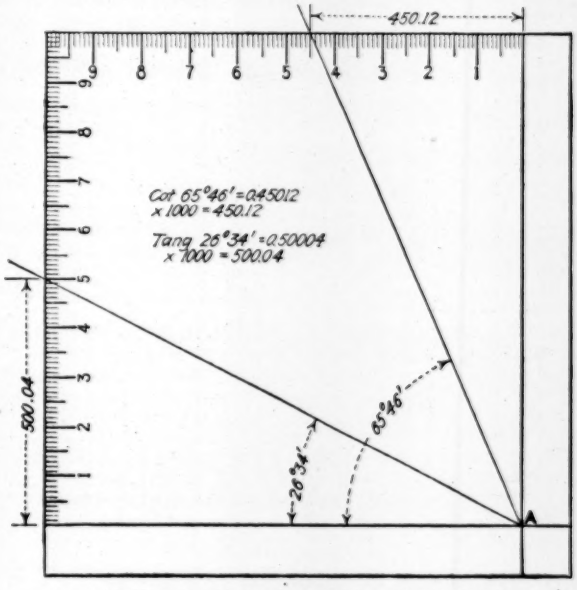
For the foregoing information *Engineering News-Record* is indebted to Carl F. Klapp, superintendent, water department, city of Seattle.

Protractor for Laying Out Angles by the Tangent Method

By William C. Reisner
Engineering Department, City of Glendale, Calif.

THE instrument herein described can be made easily from the celluloid used for windows in automobile side curtains. The manner in which it is made is as follows:

First lay out a perfect square just larger than the



PROTRACTOR FOR ANGLE MEASUREMENTS

scale to be used. Lay out any scale to represent 1,000 ft. on two adjoining edges, then lay out the lines through the zero points of the scale and parallel to the scaled sides. When this is done the instrument is then ready for use.

Place the intersection *A* over the point where the angle is to be laid off and one of the lines intersecting at *A* along the course from which the angle is to be laid off. Lay off tangent (times 1,000) of the angle on the scale from the initial course and connect with *A*. If the angle is greater than 45 deg. use the cotangent (times 1,000) on the scale parallel with the initial course. A scale 10 in. long is very convenient and accurate.

It will be seen that this same instrument can be used to locate co-ordinated points.

Letters to the Editor

This department aims to be a forum for the discussion of the views of engineers and contractors. The range of interest should be as wide as possible. Contributors are, therefore, asked to make their letters short.

Not So Favorable to Admixtures in Concrete

Sir—The statements made in Mr. Conners' article "Concrete Improved by the Use of Diatomaceous Earth," in the Dec. 17 issue of *Engineering News-Record*, are so much at variance with the writer's experience with powdered admixtures and conclusions based thereon, that it may be of some value to compare such widely divergent viewpoints.

The results of investigations of the use of powdered admixtures by the Bureau of Standards and by the Structural Materials Research Laboratory have been borne out by the experience we have had in the placing of concrete in reinforced-concrete railroad bridges, i.e., that the compressive strength of concrete is dependent on the ratio of the volume of water to the volume of cement in the mixtures, regardless of proportions with or without powdered admixtures.

Using proportions of aggregates giving maximum workability, we have obtained a quality of concrete the uniformity of which is substantiated by the excellent working conditions during placement, the appearance of the completed work and the results of one thousand 6x12-in. test cylinders. A cylinder was taken from each 40 cu.yd. of concrete placed.

The use of powdered admixtures, to obtain the same workability, in all cases required an additional quantity of water, which reduced our compressive strengths accordingly.

More careful proportioning of concrete mixtures with graded aggregates will insure satisfactory workability.

If arbitrary proportions are specified and additional workability is required, it will usually be more economically accomplished by using additional portland cement. The additional cement will permit the maintenance of the proper water-cement ratio and insure a more durable and dense concrete.

The reference to increased yield is not peculiar to diatomaceous earth alone as the volume of concrete is increased by the mass of any powdered admixture used together with the necessary additional volume of water required to make the admixture plastic.

The percentage of the increased volume of concrete obtained depends on the density of the arbitrary aggregate proportions.

T. P. WATSON,
Assistant Engineer, Chief Engineer's Dept.,
Pittsburgh, Pa., Pennsylvania R.R.
Dec. 22, 1925.

The Bureau of Standards and Zoning

Sir—I have read the editorial note in your issue of Nov. 26, 1925, p. 861, criticizing the Bureau of Standards in the Department of Commerce for preparing and distributing information and statistical material on the subject of building zoning and city planning. The ground for your criticism seems to be that it is a federal interference with state duties. You seem to forget that the federal government has been of the greatest aid in preparing and distributing information and statistics in many fields which are as entirely within state jurisdiction as zoning and city planning. The government has spent millions of dollars to aid agriculture and mining. You will look in vain in the United States Constitution for any grant of jurisdiction from the states to the federal government on these subjects. All of the people of this country have been grateful to the federal government for the information sent out on these subjects. The present Secretary of Commerce apparently thinks that it is as proper to advise city dwellers as country dwellers on the prevention of waste. Modern zoning and city planning are more and more preventing enormous waste in cities. Now that so large a fraction of our population is in cities, it is difficult to see why the government printing office should not distribute information to help the cities as well as the agricultural or mining districts. Secretary Hoover is certainly entitled to the greatest praise for entering this long neglected field. The Bureau of Standards has not suggested the passage of any federal law on these subjects. There is no interference whatever with the free legislation on these subjects by states.

New York City, E. M. BASSETT.
Dec. 14, 1925.

[Although the note mentioned by Mr. Bassett did raise a question as to the wisdom of federal studies of zoning it was designed more pointedly to urge that such a line of investigation is not a proper function of the Bureau of Standards, which we understand to have been created for technical rather than political research.—EDITOR.

Parabolic Sections for Banked Curves

Sir—Owing to preoccupations of business I have only just had an opportunity of reading Mr. Myers' letter which appeared in *Engineering News-Record*, Oct. 29, 1925, p. 728.

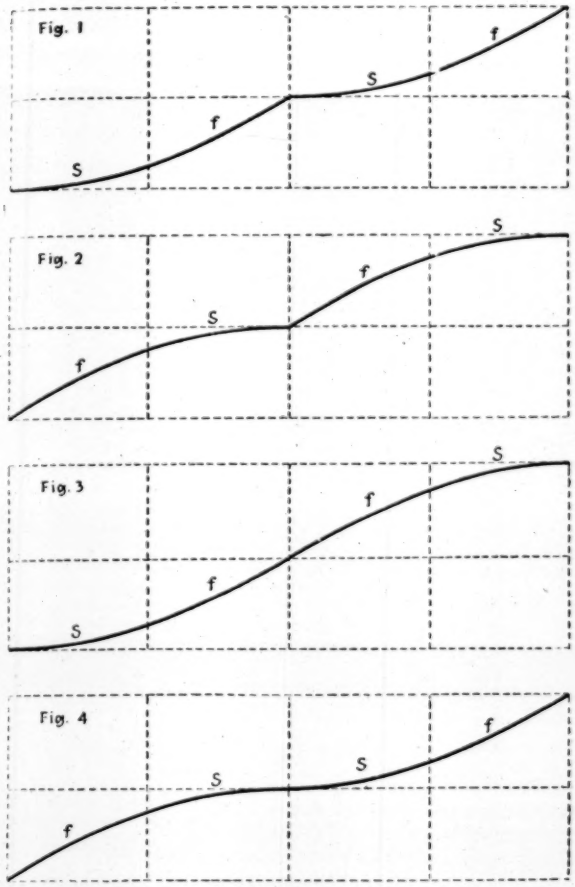
Considered as a general statement of the theoretical considerations that might be expected to influence the design of a cross-section of a roadway on a curve, there is much in Mr. Myers' letter which can be agreed upon at once. But there the matter ends, for it can hardly be contended that the arguments given in the letter can be translated into practical facts on the surface of a highway. In normal civilized communities there is a natural arrangement for the flow of traffic along the road, and this arrangement is independent of any local rules as to the use of the right side or the left side of the road by advancing vehicles. It is the natural arrangement that fast traffic will pass outside slow traffic, and whatever other rules may exist for the regulating of traffic this rule always remains. In discussing any question relating to the practical arrangement of a working road this must be taken as axiomatic for it can hardly be conceived that traffic, particularly in towns, can be regulated in any other manner having regard to the conditions under which roads are used. The stopping vehicle must obviously pull up and discharge its passengers or goods at the side of the road, and, therefore, slow-moving vehicles must pass nearer to the center of the road and fast-moving ones outside this again.

The discussion in the original article deals with country highways and these, of course, on through roads must considerably exceed in mileage the portions of the roads passing through towns. But the arrangement of the stream of traffic must surely be settled on the country highway as on the town street, because the same conditions apply as to stopping and turning out along branch roads, even though congestion of vehicles is not so great and the proportion of stopping and slow-moving traffic much less. In any case if a definite stream is fixed by town traffic it must obviously be extended along the country highways, for any rearrangement would mean the crossing of slow traffic over the fast at some points.

The accompanying figures 1 to 4 are copies of the sketch of corresponding numbers in Mr. Myers' letter of Oct. 3 in which the cross-sections have been relettered. Instead of the *a*, *b*, *c*, *d*, which he uses, the various divisions of the cross-section are marked *s* and *f* to indicate the lines of slow and fast moving traffic respectively. The only sections which are symmetrical about the center line of the roadway in regard to arrangement of traffic are combinations 3 and 4, so that in the cases shown in Figs. 1 and 2 different rules of the road would have to be applied to the streams of traffic in the two directions, which is obviously an unworkable proposal. The section shown in Fig. 4 would be quite usable provided fast traffic moved at the sides of the road and slow in the center, an arrangement the inverse of the normal, as well as having disadvantages to which Mr. Myers refers. The section shown in Fig. 3 is the only one in which a variable cant proportionate to the speed of the traffic is given and at the same time the normal arrangement of flow of traffic is preserved.

The argument that because the quantity of fast-moving traffic is several times greater than that of slow, the former are to be put on the sides of the road so as to leave the center of the road as clear as possible, may be quite sound

from the abstract point of view but could hardly be applied in practice. There are few drivers of vehicles of any sort who do not, when the road is clear, drive in the center of it. To expect fast-moving traffic to take to the side amounts to



FIGS. 1-4—COMBINATIONS OF TWO-WAY PAVEMENTS

expecting every driver to make complete inversion of his ideas of driving.

It is true that we do not expect two vehicles coming in the same direction to pass on the curve but that expectation will not prevent the fact from happening. One has only to consider such a case as that of a fast car passing some slow vehicle such as a farm cart or a heavy tractor train on a long curve to see the futility of assuming that vehicles will always follow in Indian file in such a case.

In conclusion, while Mr. Myers' contentions are interesting as theoretical abstractions, the practical conditions which obtain by reason of the fact that roads are used by all sorts of people and all conditions of vehicles make the greater part of these considerations of academic interest only and bring us back to the profile shown in Fig. 3 as being the only parabolic profile that is suitable for use on banked highways. E. G. WALKER.

Westminster, England.
Nov. 27, 1925.

Spiral Curves in North Carolina

Sir—I wrote an article for *Engineering News-Record*, which appeared on July 24, 1924, p. 132, entitled "Spiral Curves Cut Road Costs in North Carolina," in which I failed to acknowledge my indebtedness to O. B. Bestor and George F. Syme for their constructive criticism in the design of this spiral. It was purely an oversight, and I trust you will publish this letter as an apology for my negligence. CHARLES M. PRITCHETT,

Asheville, N. C., Locating Engineer, North Carolina
October 26, 1925. State Highway Commission.

River Channels and Flood Flow

Sir—It seems to me that in reviewing the book by George W. Pickels on Drainage and Flood Control, in your issue of Dec. 17, Arthur E. Morgan has gone considerably out of his way to find fault when he states: "On page 55 there is a curious recrudescence of fundamentalism in the statement, 'Streams have carved out their channels and flood plains to provide for their flood flows, and any encroachment by man in the way of levees, bridges, or buildings is naturally followed by more frequent flooding and greater flood heights, opinions to the contrary notwithstanding.' In fact, the size of stream channels has no necessary relation whatever to the flood flow. The Hudson River below Albany has dug for itself a channel through the hills large enough to hold a hundred times the maximum flow, while the Coldwater River in Mississippi and the Little River through the flat land of southeastern Missouri, in their unimproved conditions, would carry only about 10 per cent of the maximum flood flow. Of course any encroachment upon the low lands over which flood water passes will cause a raising of the flood stage."

The statement made by Mr. Pickels is absolutely correct. It seems out of place for Mr. Morgan to apply the opprobrious epithet "fundamentalism" to what really is fundamentally correct.

Mr. Morgan's statement that "the Hudson River below Albany has dug for itself a channel through the hills large enough to hold a hundred times the maximum flow" is erroneous. The fact is that the Hudson River is flowing in a sunken valley. There can be no doubt that in the geologic age when the Hudson River was reducing its base level and carving out its channel, it did so to the extent that was necessary to accommodate the average low-water runoff and that the flood plain, now submerged, held the flood waters.

Even as conditions are now, any restrictions placed in the channel of the Hudson River will have the effect of causing a rise, however small, in the surface above, which is in accord with the last sentence of the quoted portion of Mr. Morgan's review. R. REIMANN,

Baltimore, Md. Assistant Engineer in Charge of
Dec. 21, 1925. Surveys, Baltimore & Ohio R.R.

Temporary Hinges in Arch Ribs

Sir—J. F. Brett's statement by letter in *Engineering News-Record*, Nov. 5, 1925, p. 766, that the European method of designing concrete arch ribs with temporary hinges is not sufficiently understood or appreciated on this side of the Atlantic, moves me to say that the method has been in use by me for many years on all my arches that are not small enough to be poured in one day to have the concrete at the spring plastic until the full weight of the ring is on the centering.

Theoretically the hinge provision should be continued until all dead-load is on the arch, or rather such portion of it as would bring the line of pressure to the point at which the hinge is placed, but this is not always practicable, and the deformation of the hardened ring is trifling.

The Walnut Lane bridge, Philadelphia, 240 ft. in main arch, designed in 1906 and described in *Transactions*, Am. Soc. C. E., 1909, had six temporary hinges—three each side—consisting of small concrete posts at the neutral axis, embedded, of course, when the closing keys were poured. They demonstrated their utility by cracking on the upper side in the course of bending as the falsework deformed under the increasing weight of the ring.

A combined steel-plate and concrete arch of 262 ft. span, built in 1907, described in *Proceedings*, National Association of Cement Users (American Concrete Institute), 1908, was erected on temporary hinges of zinc, and then was made fixed with steel wedges at a time of mean atmospheric temperature, and at a stage of load that would, by the elastic theory cause the line of pressure in the fixed arch to pass through the middle of the ring where the hinge was placed.

In a multiple arch bridge now under construction without falsework (forms supported by steel ribs embedded) and giving unbalanced erection thrusts against the piers, I am placing the temporary hinges—heels of steel ribs and small concrete posts—at the lower third point of the rings to both reduce the thrusts and, by initial stress, keep the working line of pressure in the ring preferably low.

Philadelphia, Pa., HENRY H. QUIMBY,
Dec. 19, 1925. Consulting Engineer.

News of the Week

CURRENT EVENTS IN THE CIVIL ENGINEERING AND CONTRACTING FIELDS

WASHINGTON NOTES

AN EFFORT to take the Tennessee River out from under the Waterpower Act is gathering momentum. Legislative steps already are being taken to that end.

Senator McKellar, of Tennessee, has accused the Corps of Engineers of improprieties in making public information as to the survey of the Tennessee river before submitting it to Congress. He also criticised the Chief of Engineers, on the floor of the Senate, for his refusal to postpone a local hearing at Chattanooga on Tennessee river applications.

Following Senator McKellar's comment in the Senate, Representative Dempsey in the House defended the action of the Corps of Engineers and put into Congressional Record Gen. Taylor's reply to Senator McKellar, which pointed out that the Chattanooga hearing was in accordance with the provisions of the Waterpower Act. "Refusal to hold hearings," Gen. Taylor said, "when the full requirements of the law have been met, as they were in

(*Concluded on p. 1088*)

Engineering Fifty Years Ago

From *Engineering News*, December, 1875

To Our Readers

WE HOPE our friends will appreciate the international character of our paper—that we have more subscribers in Pennsylvania than in Illinois, in Canada than in the state of New York, in California than in Maine, in England and South America than in Vermont and New Hampshire together,—and thus feel that we do not belong to any particular section of country, but that the interest of every part of the continent is equally entitled to our consideration. We hope thus to elicit a correspondence and interchange of opinion, that will make us more familiar with the great resources of this country, and of the various methods of developing them.

Hearing on San Francisco Bay Bridge Project

Thirteen Projects for Bridges and Tunnels or a Combination of Both Presented

A public hearing on revision of War Department requirements as to a bridge across San Francisco Bay was held Dec. 11, 12 and 18 at San Francisco by Maj. John W. N. Schultz. It was the third held by the War Department within four years on the general subject of Bay bridges at San Francisco, and was called at the request of the San Francisco Board of Supervisors, who have pending several applications for bridge franchises that would conflict with the War Department's present rulings (summarized in *Engineering News-Record* July 30, p. 178). San Francisco County, being on "the left bank," has authority under the state law for granting the franchise which must precede a federal permit.

Although the hearing was called primarily to receive information "bearing on the necessity, advisability and possibility" of modifying the War Department's policy with regard to any Bay bridges at San Francisco, the

THIRTEEN SAN FRANCISCO BAY BRIDGE AND TUNNEL PROJECTS PRESENTED

Proponents	Engineers	Type of Structure Proposed	Location	Channel Crossing (135 Ft. Above Water Level Unless Otherwise Noted)	Other Main Spans
"Victory Tubes" James M. Oliver	Davies and Modjeski	Combination bridge and tube (one R.R.; two vehicular tubes)	Foot of Folsom St., San Francisco to S. P. Oakland Mole	3,000-ft. channel 50 ft. clear depth	High bridge, including one 1,000-ft. span
Bay Cities Bridge Co. (A. J. Hanford)	John G. Little	High level steel trusses	Foot of 16th St., S. F., to foot of Pacific Ave., Alameda	One 1,000-ft. span Two 590-ft. spans	Forty-eight 250-ft. steel trusses
A. H. Bergstrom	John B. Leonard	High level steel trusses, double-deck	Hunter's Point to Webster St., Alameda	Six 510-ft. spans	200-ft. clear spans, towers 50 ft. wide
"Sunshine Transbay Boulevard Bridge" J. E. Birmingham	Joseph B. Strauss	Steel trusses, Y on East end serves both Oakland and Alameda	7th and Mission Sts., via elevated to Hunter's Point, thence to Alameda near estuary	1,050-ft. cantilever span near S. F. side; 900-ft. cantilever over estuary	20,400 ft. in deck spans
Allan C. Rush	Allan C. Rush	"Interlocking cable suspension bridge"	Foot of Mission St. to Key Route Mole via Goat Island	2,400-ft. spans 200 ft. above water level	.....
.....	R. S. Chew	Three-truss double-deck cantilever	Telegraph Hill to Goat Island, thence parallel to Key Mole	One 1,850-ft. span 180 ft. above water, similar to Quebec Bridge	Two 1,700-ft.; one 1,380-ft.; one 635-ft.; eight 200-ft.
.....	Chas. E. Fowler	Double-deck cantilever (suspension alternative)	Telegraph Hill to Goat Island, thence parallel to Key Mole	Three 2,000-ft. cantilever spans, piers 250 ft. wide, 235-ft. clearance	Two 1,350-ft. approaches
.....	Ed. A. Bertram	High level steel trusses	Foot of Folsom St., San Francisco, to S. P. Oakland Mole	Six 1,500-ft. spans Two 1,000-ft. spans	Fourteen 715-ft. spans
O. A. Ellis	O. A. Ellis	Two tunnels	4th and Harrison Sts., S. F., to 7th and Cedar Sts., Oakland	200 ft. or 300 ft. below water level	(Depth to be according to foundation conditions)
Construction Co. of North America	A. J. Cleary and J. J. Walsh	High level steel trusses, double-deck	Rincon Hill, S. F., to S. P. Oakland Mole	1,050-ft. cantilever span. Three 600-ft. spans; one 550-ft. span	Chiefly 200-ft. clear spans with 50-ft. towers
New York and San Francisco Development Co.	W. C. Earle	High level steel spans	Hunter's Point to Bay Farm Is., Alameda	Four 750-ft. clear cantilever spans	Forty-three 250-ft. spans
"Air Line High Bridge"	Roy C. Hackley	High level cantilever	Pier 26 on S. F. side to S. P. Oakland Mole	Two 1,800-ft. cantilever spans; 1,000-ft. span over estuary	Chiefly 400 to 700-ft. spans
.....	Couchot and Rosenwald	Tunnels	Foot of Harrison St., S. F., to S. P. Oakland Mole	50-ft. clear depth for a length of 1¼ miles	.....

merits of individual projects for bridges, tunnels or combinations—13 in all—were presented and discussed. Speakers representing Berkeley, Alameda and San Francisco as well as state organizations and cities elsewhere in the state, made presentations tending to show the urgent need for a continuous roadway across the Bay and urged that the construction of some crossing be approved. Oakland registered a dissenting expression as to this need, fearing that a bridge might interfere with future water traffic. The Navy Department was of the opinion that several of the proposed crossings would interfere with the proposed naval base, would restrict tidal flow or in some way interfere with naval operations, and pointed out that of the crossings thus far proposed "there was less objection" to a high bridge from Telegraph Hill than to others. In the following are given some of the outstanding points in the discussions.

In opening the session Maj. Schultz mentioned that the War Department would consider whether any proposed structure was "an *unreasonable* obstruction to navigation." Referring to this several speakers scored the Navy Department for objecting to any and all obstructions regardless of the urgent need for a bridge; and also for imposing onerous channel requirements that would afford more leeway for shipping than there is in most of the world's largest ports. The effect of a bridge in reducing the excessive ferry traffic was cited as more than offsetting the interference a bridge might cause; the completion of the three highway bridges now under construction on upper and lower arms of the Bay (Carquinez, Antioch and Dumbarton) will further congest the already inadequate auto ferry facilities. Although figures were cited to show that ferry congestion leads automobile tourists to avoid San Francisco, last year's auto ferry traffic amounted to more than 1¼ million vehicles. In that same period the passenger ferries carried 44,200,000 passengers.

Speaking of the Telgraph Hill site for which the Navy had shown a preference, J. V. Davies, consulting engineer, New York City, said the foundations would be at a depth exceeding the limit for air pressure, that a bridgehead on top of Telegraph Hill was unsuitable and that the length of the approaches required would be prohibitive. He said further that to withhold approval of some feasible crossing on San Francisco Bay would be "a stifling of the port of San Francisco in its foreign and domestic commerce."

Tunnels, on which there has been less restriction as to location, could be built on short, direct routes, but the cost would be higher, about twice the cost of the cheapest bridge project. Proponents of the bridge project in question declared themselves able to finance their $20,000,000 structure and proceed with construction, showing a feasible financial plan with tolls from only the present auto ferry traffic. In contrast to the low cost of this bridge, the Telegraph Hill-Goat Island structure with approaches and terminals, was estimated to cost $72,000,000.

While some of the schemes submitted did not require any modification of the War Department's previous rulings, others did. A large majority of the evidence presented was in agreement on the need for approval of some feasible crossing.

Those who opposed any change in the present rulings included a representative of the commandant of the naval district, representatives of shipping interests and several organizations of shipowners. Of the latter several opposed any structure that would interfere with navigation in any way, but urged that, if a crossing of some sort was deemed a public necessity, preference be given to a long-span high bridge from Telegraph Hill to Goat Island, which would offer the least interference with water traffic.

The data received is being transmitted to the War Department at Washington for final decision.

AT RECENT WAR DEPARTMENT HEARING

Roadway Width Number of Tracks Total Length of Crossing	Estimated Cost (Dollars)	Remarks
40-ft. roadway; to El. Ry. tracks; 1,800 ft. shore to shore	60,000,000 to 70,000,000	15 min. from Market St. to 7th and B'way, Oakland 3¾% grades
38-ft. roadway; B. & C. include tracks 27,750 ft.	A—20,000,000 highway B—30,000,000 highway and El. Ry. C—50,000,000 highway, El. Ry. and Steam R.R.	Have plans for combined bridge and tube if high bridge not approved
60-ft. roadway; 4 tracks; Total length, 6 mi.	35,000,000	R.R. figured for Coop 's E-70
54-ft. roadway; 3 rapid transit tracks; Total length, 12 mi.	65,000,000	20 minutes for the trip
Width, 114 ft.; El. and Steam R.R. tracks		
Two 40-ft. roadways Six R.R. tracks	72,000,000, including terminals and approaches	Cost estimate includes elevated tracks on Kearny St. and Grant Ave.
Six traffic lanes Four R.R. tracks	Suspension, 40,000,000 Cantilever, 50 to 75,000,000	Suspension alternative would have three spans, two 2,425 ft. and one 4,850 ft.
Six traffic lanes; 2 El. Ry., 2 Steam R.R. tracks. Length 21,000 ft.		
Two lanes of traffic; two R.R. tracks Tunnel length, 5½ miles	12,000,000	4% grades
60-ft. roadway; 4 tracks		
Length, 6½ miles	40,000,000	
50-ft. roadway; two R.R. tracks (Provision for two more tracks)		
26-ft. roadway Two or more 18-ft. R.R. tubes Total length 25,000 ft.	25,000,000 to 35,000,000	0.4% grade on West end 0.9% grade on East end

Building Congress Urges More Winter Construction

The New York Building Congress has sent out a circular prepared by its committee on seasonal operations, in which it draws attention to the results of its investigations and those of the Department of Commerce which show that, labor productivity is greater on winter building and labor costs are less per unit of building. The congress urges a more general resort to winter construction and suggests that plans to this end be made now. The seasonal operations committee has found that:

(1). The direct additional costs due to construction carried on in cold weather are but a small percentage of the total cost of a building.

(2.) Such direct winter costs are more than offset by savings in other ways.

(3.) These conditions extend down the scale at least to operations as low as $100,000.

The indirect savings which more than counterbalance winter costs may be enumerated as follows:

(1.) Labor bonuses are eliminated.

(2.) Labor turnover is reduced.

(3.) Spread in overhead expense of contractors throughout the year reduces organization and equipment costs.

(4.) Tendency of contractors to lower their margin of profit with the idea in mind of securing sufficient work to keep their organization intact during the winter months.

(5.) Seasonal discounts on materials.

(6.) Seasonal rates by transportation companies in order to relieve the congested periods.

(7.) Saving of interest and taxes on investments lying idle.

(8.) Earlier returns on investment.

The committee reports add that, "It is true, of course, that if other conditions remain the same, winter weather adds the costs of shelter, heating, removal of snow and ice and the like and extreme cold weather lessens efficiency in certain types of manual operations. But in this connection it should be noted that official weather reports show that the number of days during which such unfavorable conditions exist are not as numerous as usually thought to be by the average person."

Denver Plans Six Million Dollar Improvement Program

The budget for 1926 in Denver, Col., calls for six million dollars. Three million of this amount is for the Park Hill sewerage system and $1,500,000 for the paving of 35 miles of streets. The rest for alley paving. During 1925 there has been 33 miles of street paving and 23 miles in alleys.

Engineer Appointed to Committee on Wood Utilization

Dudley F. Holtman, construction engineer, National Lumber Manufacturers Association, Washington, D. C., has been appointed assistant director of the National Committee on Wood Utilization. Mr. Holtman will take up his new duties on Jan. 1. In co-operation with the Forest Products Laboratory, the Bureau of Standards, the Underwriters Laboratory, and the Structural Service Bureau, the National Lumber Manufacturers Association has carried on research and tests, under Mr. Holtman's direction, to better understand the physical and mechanical properties of different species of wood. Mr. Holtman's new work will be along the same lines.

Progress on Additional Water Surveys for Rochester, N. Y.

Continuation of the surveys now being made for an additional water supply for Rochester, N. Y., the study to be limited hereafter to Honeoye and Conesus Lakes, was agreed upon at a conference of officials of the city recently called by Mayor C. D. Van Zandt. The engineers in attendance at the conference were Harold W. Baker, commissioner of public works, C. Arthur Poole, city engineer, Beekman C. Little, superintendent of water-works, and John F. Skinner, deputy city engineer. Purification of the additional supply rather than an attempt to preserve its purity by acquisition of land bordering on the lake shores is reported as likely. New conduits will be required.

Railway and Town Construction Involved in Mine Opening

Close to $20,000,000 is to be spent in developing the Flin Flon copper mine in Northern Manitoba, recently purchased by H. P. Whitney and associates, of New York, according to reports from Ottawa. The Flin Flon mine is located 118 miles from The Pas, Manitoba, to the northwest on the boundary line of Manitoba and Saskatchewan. Among other things, the taking over of the mine will involve the construction of a railway at an estimated cost of more than $2,000,000, and the building of a town to accommodate about ten thousand people. Between $4,000,000 and $5,000,000 is to be spent in developing power on the Churchill River, about 70 miles west of the property.

Building Collapse Shows Lax Inspection

San Francisco Building Collapse Kills Four—Only Seven Inspectors in City

Action on the inadequacy of San Francisco's building department and particularly on lax building inspection was precipitated by the collapse of a brick wall on Dec. 15 which resulted in the death of four workmen. The grand jury found the collapse due to "insufficient inspection by the department of public works." As a result of this incident public sentiment was aroused and the Board of Public Works requested the Board of Supervisors for appropriations to provide for additional engineers and inspectors in the building department.

There has been no secret about the unsatisfactory building situation that has existed in San Francisco for some time. A terse summary of conditions was made in an article by E. T. Thurston, a consulting structural engineer of San Francisco, published in "The Magazine of Western Finance," in which he said "Any conscientious building contractor of experience will testify that buildings exist and are being built all over the city (San Francisco) that constitute a positive public menace in an earthquake zone; and structural engineers will bear evidence to the inadequacy of the building law and its enforcement." . . . "In this city the administration of the building law is well nigh a joke and a byword. Think of it! With three or four hundred plans for buildings filed annually the department of building inspection employs two non-technical office men and two clerks, with the occasional assistance of a consulting engineer paid on a part-time basis. Incidentally this engineer maintains a private office and depends for his living mainly on private practice. Moreover, with an average of over a thousand major buildings (exclusive of residences) under construction all the time, the department has but seven outside men charged with seeing that the buildings are constructed according to law." . . . "Two-thirds of the money collected in permit fees is not expended to support the department of building inspection, but is diverted into other channels."

On Aug. 18 the San Francisco section Am. Soc. C. E., recognizing the danger in the building construction trend and after discussing the duty of an engineering society to inform the public of an epidemic of poor construction, voted $500 for the use of a committee of structural engineers to be appointed by the president, to make a comprehensive investigation of the building situation, giving particular attention to materials and workmanship, the inspection of buildings and the enforcement of the building ordinance. The committee appointed consists of John B. Leonard, chairman, H. J. Brunnier, M. C. Conchot, H. D. Dewell and L. H. Nishkian. This committee has been working with committees appointed for a similar purpose by the San Francisco Chapter of the American Institute of Architects, the San Francisco Industrial Association, San Francisco Builders' Exchange, San Francisco Chapter American Association of Engineers and the San Francisco Building Contractors' Association.

Joint meetings have been held for the most part once a week over a three-month period and after careful and thorough study of the whole situation a letter was sent to the board of public works under date of Dec. 21, signed by representatives of all these organizations and embodying the results of the committee's work in the form of definite recommendations. The letter urged the reorganization of the building department, particularly the employment of additional engineers and inspectors and the appointment of a commission, without pay, consisting of an architect, an engineer and a contractor to serve the board of public works in an advisory capacity and to hear appeals from decisions of, or complaints against, that department. Action on these suggestions had not yet been taken when this article was written.

American Equipment for African Harbor Work

Plant, tools, equipment and all necessary supplies to construct a harbor, breakwater, wharves, roads, etc., for the work which the Firestone Plantation Co. is doing for the government of Liberia at Monrovia started from this country on Dec. 19 on a ship sailing direct to Liberia. On another ship sailing by way of England is going a construction organization sent out by the J. G. White Engineering Corporation which has the contract for the work. Construction work will be started immediately upon arrival. Native labor will be used for practically all the work.

Washington Notes

(*Concluded from p. 1086*)

this case, would deprive the applicant of his legal rights. I do not consider that I have such authority. Such a refusal, in effect, would nullify the provisions of the federal Waterpower Act. So long as the Waterpower Act remains in force, as now worded, I must continue as I have in the past."

THE Joint Board which approved the numbered highway system has been disbanded, but the executive board of the American Association of State Highway Officials has been designated as the continuing body to succeed it. While this board has no authority to add to the system it can arrange the minor corrections and look after the proper mapping and marking of the routes. The map of the numbered system will be ready for distribution early in February.

The Board is doing all it can to encourage the counties and townships to adopt the same form of directional and danger signs as are to be used on the numbered federal aid routes. Several states already have let contracts for signs for county roads.

Engineering Societies

Calendar

Annual Meetings

AMERICAN ROAD BUILDERS ASSOCIATION, New York City; Annual Convention, Chicago, Ill., Jan. 11-15, 1926.

AMERICAN ENGINEERING COUNCIL, Washington, D. C.; Annual Meeting, Washington, D. C., Jan. 14-15, 1926.

ASSOCIATED GENERAL CONTRACTORS OF AMERICA, Washington, D. C.; Annual Meeting, Portland, Ore., Jan. 19-23, 1926.

AMERICAN SOCIETY OF CIVIL ENGINEERS, New York City; Annual Meeting, New York City, Jan. 20-22, 1926.

ENGINEERING INSTITUTE OF CANADA, Montreal; Annual Meeting, Toronto, Ont., Jan. 27-29, 1926.

AMERICAN CONCRETE INSTITUTE, Detroit, Mich.; Annual Meeting, Chicago, Ill., Feb. 23-26, 1926.

The New York Section of the American Water Works Association will hold a meeting January 21, 1925 at the Hotel Pennsylvania.

The Dayton Section, of the American Society of Civil Engineers held its annual meeting Dec. 14; officers for the coming year are: J. K. Grannis, president; F. J. Cellarius and N. Q. Sloan, vice-presidents; and C. H. Eiffert, secretary-treasurer.

The Minnesota Section, American Water Works Association, at its fifteenth annual meeting at the University of Minnesota on Nov. 13, elected the following officers: Chairman, J. A. Childs, engineer, division of sanitation, state board of health; vice-chairman, Felix Seligman, chief engineer of pumping stations, water and light department, Duluth, Minn.; secretary-treasurer, Arthur F. Mellon, filtration engineer, water works department, Minneapolis, Minn.

Personal Notes

R. E. KEOUGH, assistant engineer maintenance-of-way on Eastern Lines of the Canadian Pacific Ry., has resigned to take charge of the Chicago office of the American Fork & Hoe Co., Railway Appliance Division. Mr. Keough has been assistant engineer maintenance-of-way on the Canadian Pacific since 1915. Previous to that time he was with the Chicago, Burlington & Quincy R.R. at Aurora, Ill., first as roadmaster and then as assistant trainmaster.

JOHN A. GILES, at present mayor of Binghamton, N. Y., and for some years its city engineer, will close his term as mayor on Jan. 1 and will resume active duties with the firm of Hoadley & Giles with which he was formerly connected. Mr. Giles was appointed city engineer of Binghamton fourteen years ago and served eight years; he then was made commissioner of public works, and served four years; two years ago he was elected mayor.

J. P. BROOME, civil engineer and present city manager of Salem, Va., has been appointed by the city council of Summit, N. J., as city supervisor of Summit, selection being made from among forty-two applicants from all over the country. Mr. Broome is a native of Maryland and was educated in civil engineering at the University of Maryland. His first service was with the Baltimore & Ohio R.R., especially on location. Then a period with the Ryan & Reilly Co. on Passaic Valley sewer construction was followed by a year of construction on the Delaware, Lackawanna & Western R.R. through South Orange, N. J., for a railroad contractor of New York City. For the next six years Mr. Broome was associated with DuPont de Nemours & Co., of Wilmington, Del., on construction and experimental work. Later he was selected for the city managership at Salem, Va.

CHARLES KINNEY, who a year ago retired as Elkhart County Surveyor and whose term as city engineer at Goshen, Ind., will expire Jan. 1, has resigned as engineer on five county highway units under construction in Elkhart County and on Jan. 1 will become city consulting engineer at Mishawaka, Ind.

WILLIAM GOLDSMITH, consulting engineer for the Riverdale Construction Co., New York City, has been appointed commissioner of public works of Yonkers, N. Y., under the new city administration. Mr. Goldsmith previously had been assistant engineer, superintendent of the Manhattan Asphalt Plant and district engineer for the United States Government in the Philippine Islands.

Obituary

FRANK A. MERRILL, chief engineer of the Boston & Maine R.R. since June, 1924, died at Lynn, Mass., Dec. 21 after a long illness. Mr. Merrill was born in Concord, N. H., Sept. 1, 1857. He received his technical education at Dartmouth College and in 1874 became associated with Charles O. Foss and C. G. Lund on engineering work in New England. He received his early railroad experience on the Concord R.R., the Boston, Concord & Montreal and the Northern R.R. After the death of Mr. Lund, Mr. Merrill and Mr. Foss continued the practice of the firm, largely in railroad engineering. Mr. Merrill was chief engineer of the Concord R.R. from 1885 to 1890 and of the Concord & Montreal R.R. until it was merged with the Boston & Maine R.R. in 1895, when he became assistant chief engineer of the latter road. From 1911 to 1914 he was division engineer in charge of the southern division and in 1914 was appointed engineer maintenance-of-way, in which capacity he served until his appointment as engineer in 1924.

GEORGE THOMAS PRINCE, a retired civil engineer, died at Denver, Colo., on Dec. 18. Mr. Prince was born in Boston, Mass., in 1854, and graduated from Bowdoin College in 1879. Since that time the greater part of his life has been devoted to water supply and sewage works, beginning on the Boston water-works and, after a few years on railroad work, again at Buffalo on sewer construction, and then at St. Paul, Minn., but his longest service was at Atlantic City, N. J., as superintendent of the water-works.

FRANKLIN I. FULLER, first vice-president of the Portland Electric Power Co., died at Portland, Ore., Dec. 16. Mr. Fuller was born in Providence, R. I., May 29, 1858, and after graduation from the high school studied engineering while working the city engineer's office at Providence. In 1881 he went to the Wisconsin Central R.R. on location and in 1882 became construction engineer with the New York, West Shore & Buffalo Ry. In 1883 he went to Portland and since that time had devoted himself largely to electric railway construction and development. Since 1906 he had been a vice-president of the Portland Railway, Light & Power Co., in charge part of the time of operations and all the time of all construction, maintenance-of-way and railway structures.

FRANK C. WILLIAMS, engineer and contractor, Easton, Pa., died suddenly of appendecitis Nov. 28, aged 50 years. Mr. Williams, a native of Boston, left that city in 1909 to take charge of extensive sewer work, as engineer in charge of construction, in Louisville, Ky., where he remained six years. Later he was associated with the James Ferry Co., Inc., Atlantic City, N. J. For the past five years, he was vice-president of the Crichfield-Williams Construction Co. at Jersey City. At the time of his death his firm was engaged in the construction of two sewer contracts for the city of Easton.

WALTER E. HASSAM, of Worcester, Mass., known as the deviser of a method of placing paving, died in Worcester, Dec. 26, aged 60 years. Mr. Hassam was born in Northfield, Vt., and graduated from Norwich Academy. He was assistant city engineer of Worcester from 1889 to 1904 and later served as street commissioner. In 1906 he organized a paving company, which later developed subsidiary companies. The special method of paving consisted in laying stone blocks and grouting the blocks with a sand-cement mixture.

ERNEST LUND, of the engineering and contracting firm of Windsor & Lund, Denver, Colo., died at Denver on Dec. 16.

From the Manufacturer's Point of View

A Point of Contact
Between Maker and User of
Construction Equipment and Materials

Large Valves on the Hume Dam in New South Wales

The free discharge regulators for the Hume Dam on the Murray River in Australia are claimed to be the largest of their kind in the world and consist of seven Larner-Johnson needle type valves with hand and electrical control. Four of the valves have an inlet diameter of 9 ft. and three an inlet diameter of 13 ft., all the seven valves having an outlet diameter of 7½ ft. The maximum head on the valves is 100 ft. The contract for furnishing these valves has been awarded to J. Blakeborough & Sons, Ltd., Brighouse, Yorkshire.

Business Notes

J. G. WHITE ENGINEERING CORP., New York City, has been engaged, by the municipality of Guatemala City, capital of Guatemala, Central America, for the examination and study of certain municipal requirements, including the engineering for a supply and distribution of drinking water, a sewerage system and paving. Engineers assigned to this work have left New York recently for Guatemala.

GENERAL ELECTRIC CO., Schenectady, N. Y., has announced through its president, Gerard Swope, that it has definitely decided to purchase a site for a manufacturing establishment in the city of St. Louis, Mo. The tracts of real estate selected contain in the aggregate about 155 acres, of which all but 11 acres are within the city limits. The property in general lies between the Belt Line of the Terminal Railroad Association and Goodfellow Ave. It also has a frontage on Bircher Ave. "The exact date on which construction will commence has not been determined, and it will depend, of course, upon the future growth and development of the business of the General Electric Co.," Mr. Swope said. "It has not yet been decided what character of apparatus will be manufactured in St. Louis."

BABCOCK & WILCOX CO., New York City, announces that it has purchased the Fuller-Lehigh Co. and its subsidiaries, manufacturers of pulverized fuel and cement mill equipment. Also that it has purchased the Bailey Meter Co., manufacturers of meters and recorders. Both the acquired companies will be operated with the same organization as heretofore with the exception that Col. J. W. Fuller will become chairman of the board of the Fuller-Lehigh Co., E. G. Bailey will become president, and W. E. Douglass, of Fuller-Lehigh Co., will become vice-president in charge of sales.

LAPEER TRAILER CORP., manufacturers of automatic semi-trailers, announces the appointment of J. B. Beattie as Eastern sales manager, with headquarters in New York City. Mr. Beattie was formerly connected with the Autocar Co.

WESTERN MATERIAL CO., Sioux Falls, S. D., has been appointed distributor for the Caterpillar Tractor Co., the Stockland Road Machinery Co., and the D-A Lubricant Co. for the state of South Dakota.

STOCKLAND ROAD MACHINERY CO., Minneapolis, Minn., has appointed the Beckwith Machinery Co. of Philadelphia, to represent it in the eastern and southern sections of Pennsylvania. J. W. Miller has been appointed district sales manager in Iowa. McDonald & Burgman are new distributors in Miami, Fla. A new foreign distributor is the Gippsland and Northern Co-operative Co., Ltd., Melbourne, Australia. Havana Fruit Co., Havana, Cuba, has been assigned the Cuban territory for Stockland machines.

MUNDY SALES CORP., New York City, has appointed E. L. Sparks distributor for the products of the J. S. Mundy Hoisting Engine Co. for the state of Florida, with offices at Miami.

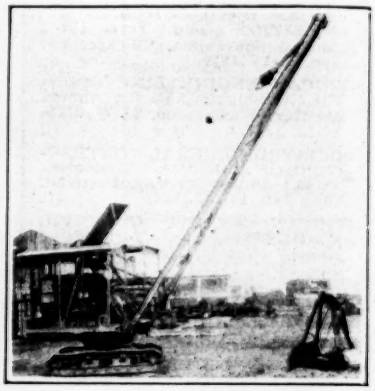
PITTSBURGH-DES MOINES STEEL CO., Pittsburgh, Pa., has opened a new office in Atlanta, Ga., to handle sales in the southeastern states. C. R. Ford, formerly of the Richmond office, is in charge of the Atlanta office.

Equipment and Materials

Half-Yard Crawler for Crane Dragline and Shovel Work

A new ½-yd. crawler machine manufactured by the Mead Morrison Manufacturing Co., Boston, Mass., has been designed with light weight and speed. It is full revolving with a live boom for grab or dragline bucket work and requires only a single re-reeving to change from one type of work to the other.

The boom has a maximum radius of 30 ft. The hoist has three bronze-bushed friction drums 10 in. in diameter provided with single cone asbestos lined frictions and automatic safety brakes. The drum gearing is driven by silent chain from the power plant mounted at the rear of the drums. This power plant is either a Hercules four-cylinder 30-40 hp. gasoline engine or a 30-hp. electric motor. The hoist speed is 150 ft. per min., and the machine develops a swinging speed of 4 r.p.m. Its maximum travel is at the rate of 1 m.p.h. The travel base is carried on two crawler tracks 98 in. over-all width. The treads are all cast

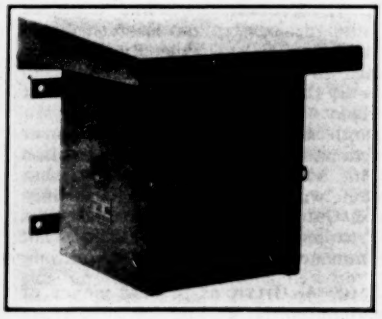


steel of a heavy pattern and are 12 in. wide.

The operating gear consists of five hand levers. Three of these levers control the three friction drums, the fourth controls the travel of the crane, and the fifth controls the shifting from rotating to traveling as well as applying the rotation brake. Two foot levers are provided for the reversing clutches. A single lever controls the cable crowd on the shovel and every operating lever and pedal is so placed that the operator has complete control of his machine without shifting his position.

Magnetic Switch Inclosed in Weatherproof Case

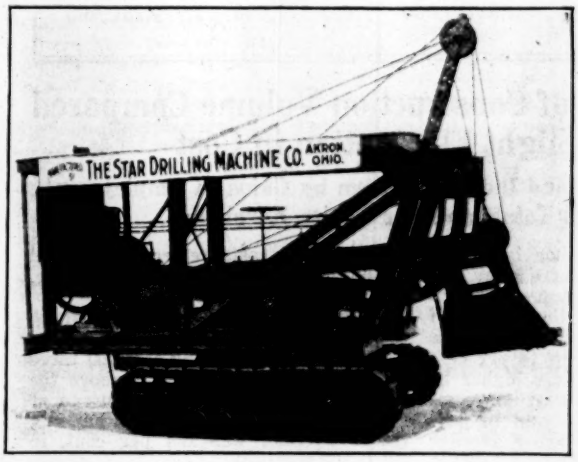
For use in valve control service where operating conditions require that the switch be located in an exposed place or in other similar conditions where it is necessary or desirable to locate the control near the motors, the General Electric Co. has provided a special form of magnetic switch that is inclosed in a weatherproof case and roof. All seams and supports of the outside case are turned to eliminate surfaces where water might collect. The roof is slanting and overhangs the case on all sides to allow water to fall



away. The case itself is provided with special finish to meet the service conditions. A new type of latch is claimed to eliminate possible jamming of the lock strip or any failure to latch tightly due to inaccuracy in the location of the slot.

Skimmer Scoop Full-Revolving Machine of New Type

The new power shovel manufactured by the Star Drilling Machine Co., Akron, Ohio, departs considerably from general conventional design. The scoop handle, which is about 13 ft. long, telescopes into the frame of the revolving deck. This is claimed to be a step forward in power shovel construction, in that it permits a large capacity scoop with a light-weight machine because the weight and load due to shoveling are all concentrated near the center of the machine, thus reducing the necessity for counterweight. The machine, known as their Model 20, is of light weight, full revolving, mounted on full length crawlers and powered by either standard gasoline or electric motors. The weight per square inch of tractor bearing surface is approximately 9 lb., the total weight of the machine being about 14 tons. The engine and all other controls are located conveniently near the operator.



The shovel is equipped with three types of scoops or buckets—skimmer scoop, pull-in ditcher, and clamshell grab bucket. The skimmer scoop has a capacity of ¾-cu.yd., a crowding motion of about 12 ft., and a digging radius of about 21 ft. The clearance under the bottom of the bucket when dumping at its maximum height is about 17 ft. The mouth of the bucket is 36 in. wide by 36 in. high. The overall length of the machine when the dipper handle is retracted is 20 ft. 2 in., which makes a compact machine where space is at a premium and also a convenient machine when moving through heavy traffic.

By means of a patented device, the scoop can be held in a horizontal position during its entire length of stroke irrespective of the angle of inclination of the boom. Excavations can be effected to a depth of about 20 ft. below the base of the machine. A shallow ditch can be trimmed up with a flat bottom about 14 ft. long for each move of the machine. The scoop teeth always cut a clearance for the rear end of the scoop bottom.

When using the pull-in or ditcher scoop, the rear end of the boom has its pivotal axle clamped fast to the telescoping rack and is arranged so that it can be fastened at a point on the rack selected by the operator as being best suited to his work. When using this ditcher attachment, the machine keeps in advance of the work.

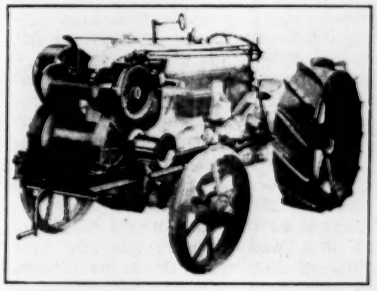
Fordson Accessory Adapts Machine for Use in Deep Snow

The Snow-Motor, consisting of a case of transmission gears attached to the rear of a Fordson tractor differential and a pair of revolving runners, is one of the products distributed by J. S. Innes, 921 Drummond Building, Montreal, Canada. The Snow-Motor is the adaptation of a method developed by a man in Alaska who was freighting with horses and dogs. It was developed first for heavy duty purposes in the mining districts in the northwestern part of the U. S. This was before the war. After the war, it was developed for snow transportation of passengers, freight and for contractors' haulage work in deep snow. The snow-motor is so constructed that it travels *over* the snow rather than through it. The machine complete weighs 5,340 lb. It is claimed that when loaded with five passengers in its cab, it will travel over a 10 ft. snow drift sinking in the lightest snow only about 8 in. Its maximum speed is 12 m.p.h. The machine in addition to carrying 5 passengers in its cab, it is said, can be safely relied upon to exert an average hauling capacity of 5 tons.

The stage coach shown with the snow-motor-equipped Fordson in the illustration is running between Eugene and Bend, Oregon, via McKenzie Pass. It saves a 100-mile detour since the distance through the pass is only 16 miles. The cab carries 14 passengers.

Fordson Hoist Attachment Places Weight on Front Axle

The new hoist, in either single or double-drum type, manufactured by the Pioneer Tractors, Inc., Winona, Minn., presents as one of its distinct features the fact that the operator faces the work at all times. This is made possible by mounting the hoist on the front end of the tractor. The mounting consists of two steel channels secured to the tractor by special bracket castings attaching at the joint between the motor and transmission housing and supported in front by a pedestal casting through which the front axle kingbolt passes. This mounting places practically the entire weight of the hoist on the front axle and wheels, eliminating strain on any of the tractor castings. The clearance under the tractor is not reduced by this attachment and an extension starting crank is furnished permitting cranking of the motor in front of the hoist. The hoist is quickly and easily attached since there are no holes to drill and no machine work required.



A main housing casting carries the transmission gear case and the bearing housing for the shafting, insuring perfect alignment of all working parts as well as ease of attachment. The main drum is 8 in. in diameter and 14 in. long between flanges rotating on a drum shaft riding on bronze bushings. The clutch is of the double cone type, and all clutch thrust is taken on heavy duty ball bearings and transmitted to

collars resting in grooves in the drum shaft so that no thrust load is transmitted to the housing casting. All bearings, except the ball bearings in transmission case, which are lubricated by splash, are provided with high pressure Alamite fittings.

The standard drive is by a belt 6 in. wide. Slotted holes in the mounting ledges of the housing permit the hoist to slide on the frame, thus permitting adjustment of belt tension. The brake is claimed to be of ample size to hold any load within the capacity of the hoist and is controlled by a foot pedal. One of the special features of the hoist is the placing of lugs or teeth on the inside of the drum flange, thus eliminating the possibility of excessive wearing or cutting of cable since contact with the teeth is impossible. These lugs are engaged by a dog actuated by a control rod from the operator's seat, which provides permanent holding of the load in any position with absolute safety when the crew is required to work under the load.

The main cable speed with standard drive is 140 ft. per minute with a guaranteed lifting capacity of 3,500 lb. on single line for continuous operation. All control levers are within easy reach of the operator. The single-drum hoist complete weighs approximately 800 lb.

Optional equipment consists of a reverse unit which makes possible the driving of the main drum in either direction through a gear shift actuated by control rod from the operator's seat. An auxiliary or second drum assembly is also available which is attached on the front side of the main housing casting —above and slightly back of the main drum.

Publications from the Construction Industry

Diesel Engines—FAIRBANKS, MORSE & Co., Chicago, has made available a new bulletin entitled "Comparison of Diesel Engine Principles" which should be of considerable educational value since it analyzes the various factors which influence the design of Diesel engines. These factors are then interpreted in terms of what they mean to the Diesel engine user in operating economy and dependability. This bulletin is somewhat of a departure from the usual type of sales literature in that it treats a highly technical subject in a way which can be understood by one who has not had an opportunity to make a detailed study of Diesel engines.

Roller Bearings—HYATT ROLLER BEARING Co., Harrison, N. J., has recently issued a bulletin devoted exclusively to roller bearings for industrial equipment, which is known as "Dimension and Load Bulletin No. 1559." After describing the type of Hyatt roller bearings available, formulas are given for determining the size of bearings required as governed by speed, shaft hardness, kind of shaft whether stationary or rotating, and the nature of surface. Tables of basic capacities and dimensions are given for the four types of Hyatt roller bearings.

Business Side of Construction

FACTS AND EVENTS THAT AFFECT COST AND VOLUME

This Week's Contracts—Week Ago—Same Week Last Year

THE money value of contracts reported in the present issue of *Engineering News-Record* is here compared with the figures for corresponding weeks. Minimum costs observed are: $15,000 for water-works and excavations; $25,000 for other public works; $40,000 for industrial and $150,000 for commercial buildings.

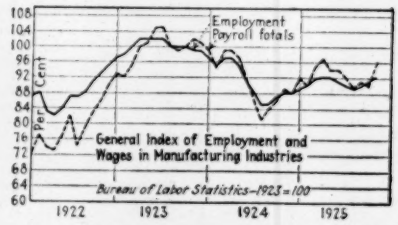
Money Value of Contracts Let—Entire U. S.

Week Ending	Public Work	Private Work	Total Contracts
December 31, 1925	$8,995,000	$10,545,000	$19,540,000
December 24, 1925	16,412,000	58,307,000	74,719,000
December 25, 1924	14,120,000	32,806,000	46,926,000
Heaviest Week			
1925, Sept. 3	16,215,000	69,424,000	85,639,000
1924, May 8	26,370,000	38,829,000	65,199,000
Total for the Year			
1925	1,037,252,000	1,522,191,000	2,559,443,000
1924	953,919,000	1,045,371,000	1,999,290,000

Upward Trend of Construction Volume Compared With Slight Fluctuation in Cost

Expansion in Trade and Industry Shown by Gains in Employment, Pay-roll Totals and Per Capita Earnings

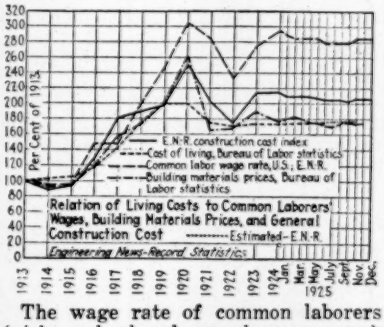
EMPLOYMENT of labor is over 8 per cent greater than a year ago throughout the entire country, according to latest reports of the Bureau of Labor Statistics. Factory pay-rolls show a gain of more than 14 per cent and per capita earnings are higher by 5½ per cent, than at this time last year. The comparatively large gain in pay-roll totals indicates a higher average hourly wage rate in the mills, shops and factories of the nation, particularly for skilled workers. Hours of work per week have an obvious tendency to shorten in inverse proportion to the gain in volume of employment; this principle is in operation at the present time, especially in the trades where there is scarcity of trained mechanics.



Employment gains were most marked in the Eastern and Southern states, while decreases were reported in sections of the West.

In view of these marked indications of expansion in trade and industry, it is estimated that the cost of living is a scant 2 per cent above this time last year. Living costs referred to, would comprise such items as food, clothing, shelter, fuel, light, etc.

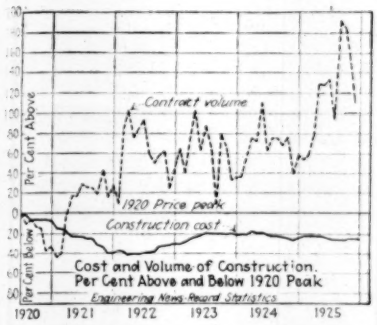
Wages of building trades mechanics, which have been consistently above the general wage rate during the past three years, are now 133 per cent above the 1913 level, according to the Bureau of Labor Statistics. In 1924 the building trades average was 124 per cent, in 1923, 107 per cent, and in 1922, 87 per cent above the 1913 level.



The wage rate of common laborers (pick and shovel or clean-up men) appears in the accompanying illustration, to be considerably above the cost of living. This is due to the fact that in 1913, the base year, the common laborers' rate for the nation was small, compared with living costs at that time.

Cost of construction during the past two-and-a-half years, has hovered about a mark, 20 per cent below the 1920 peak of inflation, occurring in June of

that year. The trend of construction volume during that period was abruptly upward.



Two Large Foreign Jobs Awarded to American Firms

Construction work on the harbor improvement contract awarded to the J. G. White Engineering Corporation by the Firestone Plantations Co. for the Government of Liberia, at Monrovia, West Africa, will begin immediately upon arrival of the equipment shipped Dec. 19, 1925. The project involves a harbor, breakwater, wharves, roads, etc., using practically all native labor.

The Western Union Telegraph Co. has awarded contract to Stone & Webster, Inc., of Boston, for design and construction of a housing development for its cable station forces at Fayal Is. in the Azores.

Pipe Demand During 1925 In Various Sizes

In 1925 Construction News reported work calling for 805,086 lin.ft. of riveted or lock bar pipe. In addition, 98,434 ft. of "steel pipe" was mentioned. The total, 903,520 ft. was of the following sizes:

Inches	Lin.Ft.	Inches	Lin.Ft.
4 to 18	264,350	48	86,199
22	35,620	50	8,996
24	223,770	54	2,532
36	166,900	56	7,380
38	7,300	60	93,800
42	5,793	66	880

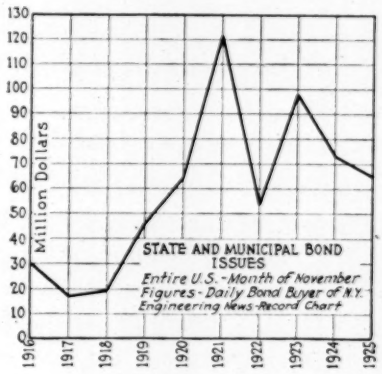
The pipe was used chiefly in waterworks, with irrigation second, and oil lines third.

Continued Drop in Bond Issues for State and Municipal Improvement

STATE and municipal bond sales continued small during November according to the *Commercial and Financial Chronicle*. The aggregate for this month was $63,250,071 compared with $74,765,203 of November a year ago. The November total fell far below that of October which shows a total of $78,888,047. The amount of bonds placed during November is the smallest for that month since November, 1922.

There were very few bonds for large amounts placed during November. Some of the large issues are: $6,100,000 loan 4¼s, Philadelphia; $2,890,000 water, school and improvement 4½s, Paterson, N. J.; $2,325,000 4¼s, Erie County, N. Y.; $2,304,000 4½s, Trenton, N. J.

The rates in the accompanying table ranged from 4 to 6 per cent. Very few were placed at par or below.



Bond issues for state, county, township and municipal improvements showed a steady upward trend for the month of November, from 1917 to 1921. During the latter year, a period of depression, money was naturally diverted from industrial investments into long term securities.

Since 1923, however, this particular month has shown a downward tendency in state and municipal issues.

The present trend may continue, for the reason that public improvements, held up by the war, have practically all been attended to. Future engineering construction will therefore represent actual expansion in demand.

Representative Public Bond Sales, November, 1925

State	Purpose	Amount	Rate per Cent	Sold For	Basis	Dated	Maturity	Purchased by
Delaware	Highway	$200,000	4	96.869	4.165	Jan. 1	1965	Barr Brothers & Co., Inc., of New York
Michigan	Roads	142,000	4¼	.....	....	Nov. 2	.....	Detroit Trust Co. of Detroit
County								
Ashtabula, O.	Road Impvt.	30,700	5	103.43	4.26	Oct. 1	1927-34	Geo. H. Burr & Co. of Chicago
Armstrong, Pa.	Bridge	126,000	4¼	100.00	....	Nov. 2	1926-30	Armstrong County Trust Co.
Clark, Ind.	Road	16,000	5	103.11	4.42	Sept. 8	1927-36	La Plante-Welsh & Risacher
Columbiana, O.	Road	20,000	5	101.22	5.76	Nov. 15	1927-31	A. T. Bell & Co. of Toledo
Cook, Ill.	Hospital	500,000	4	97.93	4.27	June 1	1926-45	First Trust & Savings Bank of Chicago
	Court House	500,000						
Cuyahoga, O.	Road Impvt.	204,826	4½	.....	4.245	Aug. 1	1926-35	Guardian Trust Co. of Cleveland
Decatur, Ind.	Highway Impvt.	5,200	4½	.....	....	Oct. 15	1926-35	Thomas D. Sheerin & Co. of Indianapolis
De Kalb, Ind.	Highway Impvt.	32,100	4½	101.10	4.265	Oct. 15	1926-35	National Bank of Auburn and others
Delaware, N. Y.	Highway	150,000	4.30	100.03	4.29	Nov. 1	1926-55	Sherwood & Merrifield, Inc., of New York
Daviess, Ind.	Road	11,000	5	102.59	4.52	Nov. 15	1927-36	Meyer-Kiser Bank of Indianapolis
Erie, N. Y.	Penitentiary	1,000,000	4¼	100.364	4.21	Oct. 1	1936-54	B. J. Van Ingen & Co. and others
	Home and infirmary	750,000						
	Highway	200,000						
	Park	200,000						
	County Buildings	175,000						
Essex Fells, N. J.	Water	104,000	5	104.47	4.67	Nov. 1	1927-64	M. M. Freeman & Co. of Philadelphia
Fountain, Ind.	Highway Impvt.	12,500	4½	100.38	4.43	Nov. 15	1927-36	Fletcher American Co. of Indianapolis
Fulton, O.	Road	39,314	5	101.55	4.54	Sept. 1	1927-31	Detroit Trust Co. of Detroit
Garfield, Okla.	Road	200,000	..	111.11	....	.....	5 yrs.	Enid Bank & Trust Co.
Gibson, Tenn.	Road	500,000	5	.....	....	Nov. 1	1936-45	J. W. Hillman & Co. and others
Harrison, Miss.	Highway and bridge	825,000	5¼	100.99	....	.....	.....	Mississippi Mortgage & Bond Co. of Gulfport
Jackson, Tenn.	Road	11,000	5	100.00	....	Oct. 1	1955	Bank of Gainesboro
Jefferson, O.	Road	110,782	5	102.21	4.59	Dec. 1	1927-35	.....
New Castle, Del.	Highway Impvt.	200,000	4½	100.30	4.46	Dec. 1	1930-39	National City Bank of New York
	Bridge Impvt.	50,000	4½	100.30	4.48	June 1	1949-59	
Towns'ip								
Chester, N. J.	Improvement	40,000	5¼	.....	....	Aug. 1	1931	M. M. Freeman & Co., of Philadelphia
Jackson, N. Y.	Road Impvt.	6,000	5½	101.74	5.06	July 1	1927-32	Durfee, Niles & Co. of Toledo
Municipal								
Apex, N. C.	Water	33,000	5½	100.30	5.48	Sept. 1	1928-60	Hanchett Bond Co., Inc., of Chicago
Arkansas City, Kan.	Paving Impvt.	19,065	4½	.....	....	June 1	1926-35	First Trust Co. of Wichita.
	Sewer Impvt.	11,604						
Belhaven, N. C.	Paving	37,000	6	101.40	.....	.....	.....	Hanchett Bond Co., Inc. of Chicago
Bergenfield, N. J.	Sewer	143,000	5	100.87	4.935	Nov. 1	1927-65	R. M. Grant & Co., Inc. of New York
Bloomfield, N. J.	Water	557,000	4¼	100.54	4.38	Dec. 15	1927-65	Lehman Bros. of N. Y. and others
	Improvement	60,000	4½	100.78	4.34			
	Library	158,000	4½	101.80	4.37			
Charleston, S. C.	Paving	228,000	5	102.21	4.61	Dec. 1	1927-36	Barr Bros. & Co. of N. Y.
Coal Grove, O.	Street Impvt.	6,425	6	102.64	....	Sept. 1	1926-35	A. E. Aub & Co. of Cincinnati
Des Moines, Ia.	Park	12,000	5	100.62	4.78	Sept. 1	1927-29	Polk, Corley & Wheelock Co. of Des Moines
East Rockaway, N. Y.	Park Impvt.	1,000	4¾	100.89	4.585	Nov. 1	1926-38	East Rockaway National Bank
	Fire Apparatus	21,000						
	Village Hall Site	13,000						
Huntingdon, Pa.	Highway	20,000	4½	101.20	4.38	Sept. 1	1930-49	Grange Trust Co.
Lake City, Fla.	Paving	120,000	6	100.79	5.83	Dec. 1	1926-35	Florida National Bank of Jacksonville.
Paterson, N. J.	Water	1,887,000	4½	101.94	4.355	Dec. 1	1926-65	Bankers Trust Co. of N. Y. and others
	School	866,000		102.6	4.35			
	Improvement	137,000		101.19	4.38			
Waterloo, N. Y.	Paving	16,000	4¼	100.729	4.64	Nov. 1	1926-41	R. F. De Voe & Co. of New York

Weekly Construction Market

VALUE of contracts let throughout the entire country for the year 1925 shows a gain of 28 per cent compared with last year's total.

The 1925 yearly average of construction cost is nearly 4 per cent below that of 1924; present costs are a trifle over one per cent below December, 1924.

Present trend of construction is therefore in strict conformity with the rule that lower cost tends toward greater volume.

Regardless of the present demand for materials in Florida, the only serious danger of increased construction cost lies in the direction of the skilled trades.

It is evident from proposed demands for higher wage schedules in some of the principal centers, that the skilled mechanics anticipate another big year for 1926.

The current building materials market in New York City shows marked firmness over a week ago in brick, lumber, cement, wire nails and lath. This trend prevails throughout the state with the exception of a noticeable weakness in dimension lumber and aggregates in the northern cities.

A comparison of current prices with those in effect at this time last year, shows that in the majority of the nine cities reporting weekly to *Engineering News-Record*, prices are lower for steel products (except wrought pipe), cement, aggregates, c.-i. pipe, fir timbers, lump lime, hollow tile, linseed oil, and common laborers' wages. Pine timbers and brick are higher.

	New York	Atlanta	Dallas	Chicago	Minneapolis	Denver	San Francisco	Seattle	Montreal
Steel Products									
Structural shapes, 100 lb.	$3.34	$3.40	$4.15	$3.10	$3.35	$3.07½	$3.30	3.35	$3.75
Structural rivets, 100 lb.	4.50	3.50	4.75	3.50	3.75	4.65	5.00	3.75	5.50
Reinforcing bars, ¾ in. up, 100 lb.	3.24	3.30	3.38	3.00	3.25	3.77½	3.35	3.25	2.30
Steel pipe, black, 2½ to 6 in. lap, discount	48%	57%	53.6%	51%	54.25%	36%	39.2@51%	45%	59.49
Cast-iron pipe, 6 in. and over, ton	51.60@52.60	46.00	54.00	50.20@51.20	5.00	64.00	—51.00	55.00	55.00
Concreting Material									
Cement without bags, bbl.	2.50@2.70	2.25	2.05	2.10	2.32	2.84	2.31	2.65	1.80
Gravel, ¾ in., cu.yd.	1.75	2.20	2.38	2.00@2.20	1.65	1.90	2.15	1.50	1.25
Sand, cu.yd.	1.00	1.65	2.00	2.25	1.25	1.00	1.50	1.50	1.25
Crushed stone, ¾ in., cu.yd.	1.85	2.20	2.83	2.00@2.20	1.75	2.50	2.15	3.00	1.50
Miscellaneous									
Pine, 3x12 to 12x12, 20 ft. and under, M.ft.	62.00	34.00	56.00	57.00	36.75	49.50	27.00	25.00	60.00
Lime, finishing, hydrated, ton	18.20	22.50	20.00	20.00	25.50	24.00	22.00	24.00	21.00
Lime, common, lump, per bbl.	2.25@2.75	1.30	1.85	1.30	1.35	2.70	1.60	2.80	10.00
Common brick, delivered, 1,000	+18.00@20.00	10.50	11.10	12.00	13.50	12.00	15.50	15.00	17.50
Hollow building tile, 4x12x12, per block	Not used	.0893	.10	.075	.....	.075	.....	.10	.12
Hollow partition tile 4x12x12, per block	.1112	.0893	.10	.075	.07	.075	.108	.10	.10
Linseed oil, raw, 5 bbl. lots, gal.	—.93¾	1.07	1.13	—1.00	1.08	1.21	1.10	1.12	1.14
Common Labor									
Common labor, union, hour	.62½@.75	.30	.....	.87½	.....	.50@.55	.55	.62½	.....
Common labor, non-union, hour	.....	.25	.30@.50	.82½	.45@.55	.35@.50	.50	.50	.20@.30

Explanation of Prices—Prices are to contractors in carload lots unless other quantities are specified. Increases or decreases from previous quotations are indicated by + or — signs. For steel pipe, the prevailing discount from list price is given; 45-5% means a discount of 45 and 5 per cent.

New York quotations delivered, except sand, gravel and crushed stone, alongside dock; common lump lime, in 280-lb. bbl. net and hydrated lime, f.o.b. cars; tile "on trucks"; linseed oil and cast-iron pipe f.o.b.

Labor—Concrete laborers' rate, 93¾c.; building laborers, 75c.; excavating laborers, 62½c. per hr.

Chicago quotes hydrated lime in 50-lb. bags; common lump lime per 180-lb. net. Lumber, sand, gravel and stone delivered on job; pine is 4-in. instead of 3-in.

Minneapolis quotes on fir instead of pine. Brick, sand and hollow tile delivered. Cement on cars. Gravel and crushed stone quoted at pit. We quote on brown lime per 180-lb. net; white is $1.70 for Kelly Island and $1.60 for Sheboygan. Common labor not organized.

THIS limited price list is published weekly for the purpose of giving current prices on the principal construction materials, and of noting important price changes on the less important materials. Moreover, only the chief cities are quoted.

Valuable suggestions on costs of work can be had by noting actual biddings as reported in our Construction News section.

The first issue of each month carries complete quotations for all construction materials and for the important cities. The last complete list will be found in the issue of December 3, the next on January 7.

Denver quotes on fir instead of pine. Cement "on tracks"; gravel and sand at pit; stone on cars; lime, brick, hollow tile and lumber on job. Tile price is at warehouse. Linseed oil, delivered in wooden bbl. Common lump lime per 180-lb. net.

Atlanta quotes sand, stone and gravel per ton instead of cu.yd. Common lump lime per 180-lb. net.

Dallas quotes lime per 180-lb. bbl. Steel, cement, cast-iron pipe and crushed stone f.o.b. cars, other materials delivered.

San Francisco quotes on Heath tile, size 5½ x 8 x 11½. Prices are all f.o.b. warehouses except C. I. pipe, which is mill price plus freight to railway depot at any terminal. Common lump lime per 180-lb. net. Lumber prices are to dealers in yards at San Francisco, for No. 1 fir, common.

Seattle quotes on Douglas fir (delivered) instead of pine. Lump finishing lime per 180-lb. net. Brick and hollow building tile delivered. Hydrated lime in paper sacks. Sand and gravel at bunkers.

Montreal quotes on pine lumber. Sand, stone, gravel and lump lime per ton. Stone and tile are delivered; sand, gravel, lime and cement on siding; brick f.o.b. plant; steel and pipe at warehouse. Hollow tile per ft. Cement price is in Canadian funds (the Canadian dollar stands at 99.93). Bag charge is 80c. per bbl. Discount of 10c. per bbl. for payment within 20 days from date of shipment. Steel pipe per 100 ft. net; 3½-in., $59.49.

Business Briefs

Call money quoted at 6 per cent, Dec. 28; year ago, 5½ per cent.

Time loans: sixty-ninety days, 4¾@5 per cent; four-six months, 5 per cent.

Commercial paper: best names, 4½ per cent; other names, 4¾ per cent.

On December 1, 1925

E. N.-R. Construction Cost Index Number 205.95

E. N.-R. Construction Volume Index Number 194

For Explanation and Details of Index Since 1913 See the First Issue of Every Month

CONSTRUCTION NEWS

Engineering News-Record, July 2, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received, and contracts awarded, are the following big jobs:

Proposed Work

Pipe Line, Texas, Booth Interests plan pipe line and power plant, total, $3,100,000.

Hotel, Apartment and Theatre—Office, three buildings, San Antonio, Texas, S. L. Jeffers having plans prepared, total $3,100,000.

Power plant, Bernice, Okla., Public Service Co. plans power house and dam, $2,500,000.

Courthouse annex and remodeling present building, San Antonio, Texas, Bexar Co. plans bond election, total $1,500,000.

Railroad, Texas-Gulf Coast Lines plan addition, $1,200,000.

Memorial, Champaign, Ill., Columbus Foundation plan memorial, $1,000,000.

Office and stores, Oakland, Calif., Latham Square Corp. plans building, $1,000,000.

Hospital, Cleveland, O., Marine Hospital plan buildings, $1,000,000.

Machinery, New Braunfels, Texas, Comal Power Co. plans to purchase electrical machinery, $1,000,000.

Reservation, Boston, Mass., City Planning Board plans park, $1,000,000.

Hotel, Aptos, Calif., Monroe-Lyon & Miller having plans prepared, $1,000,000.

Bids Wanted on Big Jobs

Hotel, El Paso, Texas, July 1, by C. and A. C. DeGroff, $1,000,000.

Store, Vancouver, B. C., McCarter & Nairne, Aug. 17, $1,500,000.

Large Contracts Let During Week

Subway, New York, N. Y., Bd. of Transportation to Rosenthal Eng. & Contg. Co., $5,123,000.

Office, New York, N. Y., Cedar Williams Street Corp. to G. A. Fuller Co., $2,700,000.

Apartment, Los Angeles, Calif., Clarendon Apartments, Inc. to H. T. Johnson, $1,200,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
July 6	St. Paul, Minn	June 25
July 6	Milwaukee, Wis.	July 2
July 6	Manitowoc, Wis.	July 2
July 6	Mason, Mich	July 2
July 7	Ocala, Fla	June 25
July 7	New London, N. H.	June 25
July 7	Jackson, Miss.	July 2
July 7	Grantsburg, Wis.	June 25
July 9	Ronceverte, W. Va.	June 25
July 9	Rhode Island Adv. June 25 and July 2.	June 25
July 9	Lepanto, Ark	July 2
July 13	Covington, Ky.	June 25
July 13	Houston, Tex.	July 2
July 14	Woodstock, Va.	June 25
July 20	Oakland, Calif.	June 4
July 21	Lansing, Ill. Adv. July 2.	July 2
July 22	Calallen, Tex. Adv. July 2.	July 2
July 27	Omaha, Neb.	June 25
July 28	Leesville, S. C.	June 25
	SEWERS	
July 6	Lansdale, Pa.	June 18
July 6	Boston, Mass.	June 25
July 6	Plainfield, N. J. Adv. June 25 and July 2.	June 25
July 6	Fairview, O.	July 2
July 6	Janesville, Wis.	July 2
July 7	Pittsfield, Ill.	July 2
July 7	Boston, Mass.	June 25
July 7	Grantsburg, Wis.	June 25
July 8	Belzoni, Miss.	July 2
July 8	West Palm Beach, Fla Adv. July 2.	July 2
July 9	Lepanto, Ark	July 2
July 9	Long Island City, N. Y.	July 2
July 9	Port Arthur, Tex.	July 2
July 10	Salisbury, Md. Adv. July 2.	July 2
July 13	Chippewa Lake, O	July 2
July 13	Dickinson, N. D.	July 2
July 14	Villisca, Ia. Adv. July 2.	July 2
July 21	Puntagordo, Fla	July 2
July 22	Grand Rapids, Mich Adv. July 2.	July 2
July 28	Leesville, S. C.	June 25
	WASTE DISPOSAL	
July 6	West Palm Beach, Fla	June 18
	BRIDGES	
July 6	Georgia	June 18
July 7	Milwaukee, Wis	July 2
July 8	Alabama	June 4
July 8	Alabama	June 18
July 8	Freehold, N. J. Adv. June 25 and July 2.	June 25
July 8	Kansas	July 2
July 9	Eldorado, Kan	July 2
July 9	Colorado	July 2
July 13	Perth Amboy, N. J. Adv. July 2.	July 2
July 14	Washington	June 25
July 14	Auburn, N. Y. Adv. July 2.	July 2
July 14	Rock Rift, N. Y	July 2
July 20	Manitowoc, Wis Adv. July 2.	July 2
July 20	Welland, Ont	July 2
July 22	San Francisco, Calif.	July 2
July 28	Merced, Calif.	July 2
	DAMS	
July 9	Gouverneur, N. Y.	June 18
July 27	San Antonio, Tex. Adv. July 2.	July 2
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
July 6	Buffalo, N. Y.	June 25
July 7	Louisiana	July 2
July 7	Albany, N. Y. Adv. June 11 to July 2.	June 11
July 11	Tracy, Calif	July 2
	STREETS AND ROADS	
July 3	Wisconsin	June 25
July 6	Peekskill, N. Y.	June 18
July 6	Fayetteville, W. Va Adv. June 11 to July 2.	June 11
July 6	New Jersey	June 18
July 6	Bridgeport, W. Va.	June 25
July 6	Astoria, Ill.	June 25
July 6	Cedar Rapids, Ia.	June 25
July 6	St. Paul, Minn.	June 25
July 6	Astoria, Ill	July 2
July 6	Bellevue, Neb.	July 2
July 6	Bicknell, Ind.	July 2
July 6	Cannon Falls, Minn.	July 2
July 6	Carteret, N. J	July 2
July 6	Hopewell, N. J.	July 2
July 6	Illinois	July 2
July 6	Monroe, Mich	July 2
July 6	Racine, Wis.	July 2
July 6	Wichita Falls, Tex	July 2
July 7	Dade City, Fla.	June 18
July 7	Dundee, Fla.	June 25
July 7	Tampa, Fla.	June 25
July 7	North Dakota	June 25
July 7	Pennsylvania Adv. June 25 and July 2.	June 25
July 7	Bloomington, Ind.	July 2
July 7	Hillcrest Heights, Fla.	July 2
July 7	Liberty, Ind.	July 2
July 7	Massachusetts	July 2
July 7	Phila., Pa	July 2
July 7	Springwell, Mich	July 2
July 8	Alabama	June 4
July 8	North Dakota	June 25
July 8	Jackson, Miss.	June 25
July 8	Grand Forks, N. D.	June 18
July 8	Baltimore, Md	July 2
July 8	Clayton, Mo	July 2
July 8	Cleveland, O	July 2
July 8	Paw Paw, Mich	July 2
July 8	Wisconsin	July 2
July 8	West Palm Beach, Fla Adv. June 2.	July 2
July 9	Louisiana	June 25
July 9	Oberlin, La.	June 25
July 9	Port Arthur, Tex.	June 25
July 9	Colorado	July 2
July 9	Long Island City, N. Y	July 2
July 9	North Dakota	July 2
July 10	North Dakota	June 25
July 10	Pittsboro, Miss.	June 25
July 10	Cincinnati, O	July 2
July 10	New Philadelphia, O	July 2
July 11	North Dakota	July 2
July 13	Kentucky	June 18
July 13	Akron, O	July 2
July 14	Worthington, Minn.	June 25
July 14	St. Louis, Mo.	June 25
July 14	Washington	June 25
July 14	Durham, N. C	July 2
July 14	Gonzales, Tex.	July 2
July 14	Lambertsville, N. J.	July 2
July 14	North Dakota	July 2
July 14	Yazoo City, Miss	July 2
July 15	New York Adv. June 25 and July 2.	June 25
July 15	Phila., Pa. Adv. June 11 to July 2.	June 25
July 16	Louisiana	July 2
July 17	Faribault, Minn.	June 25
July 17	Michigan	July 2
July 21	Florida	July 2
July 21	North Carolina	July 2
Aug. 1	Birmingham, Ala.	June 25
Sept. 22	New Orleans, La.	July 2
Sept. 24	New Orleans, La.	July 2
	BUILDINGS INDUSTRIAL	
July 6	Detroit, Mich	July 2
July 13	Fresno, Calif	July 2
	BUILDINGS—COMMERCIAL	
July 6	Coney Island (Brooklyn P. O.), N. Y.	June 25
July 6	Trenton Junction (Trenton P. O.), N. J.	June 25
July 6	Murphysboro, Ill.	June 25
July 6	Baltimore, Md.	June 25
July 8	Easton, Pa	July 2
July 9	Phila., Pa.	July 2
July 10	Hanover, Pa.	July 2
July 13	Johnstown, Pa.	June 18
July 14	Phila., Pa.	Feb. 19
July 15	Brooklyn, N. Y.	May 21
July 15	Houston, Tex.	July 2
July 21	Ithaca, N. Y Adv. June 25 and July 2	July 2
	BUILDINGS—EDUCATIONAL, RELIGIOUS	
July 6	Norwood, Pa.	July 2
July 7	Mianus (mail Cos Cob), Conn.	July 2
July 7	Kalamazoo, Mich	July 2
July 7	Phila., Pa.	July 2
July 8	St. Louis, Mo.	June 25
July 8	Los Angeles, Calif.	July 2
July 9	Highland Park, Mich	July 2
July 10	Los Angeles, Calif	July 2
July 13	Pembroke, Ont.	July 2
July 13	Williamsport, Pa.	July 2

Bids Close		See Eng. News-Record
July 14	Brooklyn, N. Y.	July 2
July 16	Buffalo, N. Y.	June 25
July 27	Kankakee, Ill.	July 2

FEDERAL GOVERNMENT WORK

July 3	Post Office—Lowell, Mass.	June 4
July 3	Dredging—Bridgeport, Conn.	June 4
July 6	Remodeling—Saginaw, Mich.	June 11
July 7	Bridges—Florence, Ala. Adv. May 21 to July 2.	May 28
July 7	Post Office—Clarksburg, W. Va.	June 11
July 7	Hospital—Oteen, N. C.	June 25
July 7	Post Office—Clarksburg, W. Va.	June 25
July 7	Levee Work — Vicksburg, Miss. Adv. July 2.	July 2
July 8	Post Office—Camden, Ark.	June 11
July 8	Swinging Machinery—Florence, Ala. Adv. June 18 and July 2.	June 18
July 9	Remodeling—Providence, R. I.	June 4
July 10	Post Office—Franklin, Pa.	June 11
July 10	Earthwork—New Orleans, La.	June 25
July 13	Post Office—Walden, N. Y.	June 18
July 15	Embankment—Memphis, Tenn.	June 25
July 15	Quarters—Brooklyn, N. Y. Adv. June 25 and July 2.	July 2
July 20	Crane—Florence, Ala. Adv. June 11 to July 2.	June 11
July 21	Lock Gates—Florence, Ala. Adv. June 25 and July 2.	July 2
July 29	Hospital—Canacao, P. I.	May 21
July 31	Dredging—New Haven, Conn. Adv. July 2.	July 2
Aug. 4	Hospital—Hot Springs, S. D.	June 25

UNCLASSIFIED

July 3	Breakwater and Wharf—Little Judyne Ponds, N. S.	June 25
July 3	Subway—New York, N. Y.	July 2
July 6	Subway—Jersey City, N. J.	June 18
July 7	Pier-Port—Burwell, Ont.	July 2
July 8	Street Lighting—West Palm Beach, Fla. Adv. July 2.	July 2
July 10	Subway—New York, N. Y.	July 2
July 14	Cribwork—Oshawa, Ont.	July 2
July 14	Heating, etc.—Ray Brook N. Y. Adv. July 2.	July 2
July 14	Heating, etc.—Iroquois, N. Y. Adv. July 2.	July 2
Aug. 10	Electric Capstans, etc.—Napier, New Zealand	June 25

MATERIALS

July 3	Rails, etc—New York, N. Y.	July 2
July 6	Sand, etc.—Lancaster, Pa. Adv. June 2.	July 2
July 14	Concrete, etc.—New York. Adv. July 2.	July 2
July 20	Pipe—New York, N. Y.	July 2

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Nahant (br. of Lynn)—Bd. Selectmen plans high pressure water system connected with metropolitan water supply $150,000. Engineer not selected.

Fla., Bushnell—Voted $55,000 bonds, constructing waterworks, and 75,000 gal. tower tank. W. M. Galt, city mgr.

Miss., Marks — Election July 3, $30,000 bonds waterworks, distribution system and extending sewers in various streets. Noted Oct. 23.

Tenn., Watertown—Election July 15, approximately $56,000 bonds, waterworks. Noted Nov. 13.

Wis., Kenosha—C. M. Osborn, city mgr., plans additional units at filtration plant. $100,000. Engineer not selected.

Missouri—See "Streets and Roads."

Mo., Columbia—City making plans turbine and equipment for water and light plant. $51,500. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs.

Mo., DeSota—Voted $28,500 bonds, water and distribution system, etc. J. P. Davis, Jefferson City, engr. Noted June 11.

Mo., Lees Summit—See "Sewers."

O., Lorain—Plans three 6 m.g. 70 lb. pressure centrifugal pumps and switch boards. $35,000. C. C. Miller, City Hall, engr.

O., Niles — Plans to purchase new site, furthering source of supply, and extending water system, etc. $25,000-$30,000.

Mo., Salisbury—Election July 6, $35,000 bonds, waterworks and distribution system. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Ark., Atkins—Voted $15,000 bonds, drilling wells, pumping plant, distribution mains, etc. Ford & McRea, Gazette Bldg., Little Rock, engrs.

Tex., Harlingen — Voted $25,000 bonds extending and improving waterworks. Address mayor.

Tex., Pharr — Plans purification plant. $50,000 or more. Engineer not selected. A. Van Williams, mayor. Noted Feb. 19.

Tex., Port Arthur—Voted $400,000 bonds for fresh water supply from Neches Canal Co., incl. reservoir, filtration plant, etc. J. P. Logan, mayor. Noted June 18.

Tex., Teague — Postponed $100,000 bond election waterworks improvements. Jno. B. Hawley, Cotton Exch. Bldg., Ft. Worth, engr.

Okla., Alex—Voted $31,000 bonds, new waterworks, incl. well, pump, motor, tank, tower, mains, etc. J. C. Milliken, Chickasha, engr. Noted June 18.

Okla., Davenport—Voted $33,000 bonds, new waterworks, incl. deep well, pump motor, tank and tower, main valves, etc. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted June 11.

Okla., Henryetta — Holway Eng. Co., Wright Bldg., Tulsa, submitted report new water supply, here, for City. $200,000. Noted June 4.

Okla., Okemah — Voted $200,000 bonds, new waterworks, incl. filtration plant, pump, elevated tank, pipe lines, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 4.

Okla., Thomas—Voted $15,000 bonds extending mains in various streets. H. G. Olmstead, 2230 West 18th St., Oklahoma City, engr.

Okla., Wynne Wood — Voted $35,000 bonds, waterworks extensions, incl. mains, and swimming pool. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 18.

Calif., San Francisco — Plans extending mains in Beach and North Point Sts. $18,500. M. M. O'Shaughnessy, city engr.

BIDS DESIRED

Miss., Jackson — July 7, by Mayor and City Comrs. at office A. J. Johnson, city clk., electric motors, pumps and equipment for pumping station. J. H. Fewell, supt. Waterworks.; adv. E. N.-R. July 2. Noted June 11.

Mich., Mason—July 6, by J. E. Welch, city clk., 2 unit horizontal flow sedimentation tank. W. E. Zimmer, Mason, engr.

Ill, Lansing—July 21, by A. Van Steenberg, village pres. and Village Trustees, Village Hall, waterworks improvements. Ashdown, Williams & Co., Chicago Heights, engrs.; adv. E. N.-R. July 2.

Wis., Manitowoc — July 7, by City, at office City Clerk approximately 1,200 ft. 36 in. c.i. intake extending into Lake Michigan. $70,000. F. L. Alter, City Hall, engr. Noted June 11.

Wis., Milwaukee—July 6, at Office Central Bd. Purchases, D. W. Hoan, chn. 200 fire hydrants, 500 "DD" stop cock boxes, 100 covers, 200 top sections, 150 extension pieces, etc., to Water Dept.

Ark., Lepanto — July 9, by Bd. Comrs. Water Dist. 1, waterworks and distribution system, incl. mains, pumping equipment, etc. $46,800. T. H. Allen, Bank Commerce & Trust Bldg., Memphis, Tenn., engr.

Tex., Calallen—July 22, by P. G. Lovenskiold, mayor and Bd. City Comrs. of Corpus Christi, equipment for 2 filter units, sedimentation basins and mixing chambers in new plant, here. J. T. Wright, city secy.; adv. E. N.-R. July 2.

Tex., Dallas — City, c/o M. G. James, secy., taking bids four thousand eight hundred ⅝ x ¾ in. disc water meters equipped with round reading U. S. gal. dials, without connections, 150 one in. disc water meters equipped with round reading U. S. gal. dials with connections, also 4,875 meter box lids and 4,775 meter box rings. $6,000.

Tex., Houston — July 13, by O. F. Holcombe, mayor, Plan A two steam turbine driven centrifugal pumps 15 m.g. capacity, three 300 hp. water tube boilers, Plan B two or more electrically driven pumps 8 to 15 m.g. capacity, 1 electric motor air compressor with switch boards, controls, etc. J. C. McVey, city engr.

Calif., Redwood City—City, W. A. Price, clk., in market for centrifugal pump, booster type, 6 in. size, 1,000 g.p.m. direct connected to 75 hp. motor.

BIDS RECEIVED

O., Columbus—See "Streets and Roads."

Calif., Redwood City—Constructing rein.-con. reservoir, **(A)** with concrete roof **(B)** with wooden roof from Rocca & Caletti, 609-C St., Rafael, **(A)** $21,300; from Daley Bros., Burlingame, **(B)** $19,515. Noted Apr. 9.

Calif., Orosi—Public Utility Dist., constructing water system, incl. pipe lines, valves, hydrants, pumping equipment, (1) Matheson pipe (2) Dayton couplings, from E. W. Redman, Calimyrna Ave., Fresno (1) $23,025 (2) $22,303.

CONTRACTS AWARDED

Mass., Boston—Supply Dept., F. P. Rock, supt., 1,000 concrete meter boxes for Water Service, Dept. Pub. Wks., to Hugh Nawn Contg. Co., 82 Savin St., Roxbury, $9.50 each. Noted June 11.

Md., Baltimore—Bd. Awards superstructure of chemical, filter buildings, pumping station, garage, shelter and control chamber, for Montebello filters, Harford Rd. and 33rd St., to J. H. Miller, Eutaw and Franklin Sts., $309,631. Noted June 25.

Miss., Columbus—City Clerk, 25,600 ft. c.i. distribution main, 330,000 gal. concrete coagulation basin, 200,000 gal. tank on tower, and 8,800 ft. sanitary sewers in various streets, to Pittsburgh-Des Moines Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., approximately $85,000. Noted May 28.

Mich., Detroit—Bd. Water Comrs., will lay 6 in. watermains in 1,260 ft. Filer Ave., 1,260 ft. Edna Ave., 660 ft. Norlina Ave., 1,270 ft. Rowe Ave., 420 ft. Mansfield Ave., 660 ft. Liberal St., 660 ft. Defour Ave., 1,440 ft. Pelkey Ave., 960 ft. Albion Ave., 1,270 ft. Bradford Ave., 1,065 ft. Manor Ave., 1,510 ft. Flanders Ave., 745 ft. Willard Ave., 660 ft. Maddiline Ave., 315 ft. Hoyt St., and 8 in. mains in 1,260 ft. Outer Dr. Blvd., 660 ft. Englewood Ave., 540 ft. Western Ave., 1,510 ft. Aurora Ave., 1,270 ft. Arnott St., 660 ft. Northlawn Ave., 3,940 ft. Lincoln Rd., 660 ft. Norvara Ave., 560 ft. Morian Ave., 660 ft. Lappin Ave., 960 ft. Beland Ave; also 12 in. mains in 295 ft. Livernois Ave., 1,260 ft. Mound Ave., 1,635 ft. Houston Ave., 385 ft. Westfield Ave. and 600 ft. Schoenherr Rd. by day labor. G. H. Fenkell, 232 East Jefferson St., gen. mgr.

Ill., Carthage — City, earth dam with concrete spillway, concrete coagulation basin, clear well, brick pumping station, pumps, piping, 80,000 gal. tank on tower, 5,500 ft. 8 in. force mains, etc., to Johnson Eng. Co., Waterloo, Ia., $127,570. Engrs. est. $132,000. Noted May 28.

Minn., Minneapolis—F. S. Gram, city purch. agt., 57 tons special castings for filtration plant (now under construction), to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., $175 per ton. Noted June 11.

Neb., Ruskin—Village, tank on tower, to Omaha Steel Wks., 4802 Leavenworth St., Omaha, $6,050; c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 604 Interstate Bldg., Kansas City, $5,250; galvanized pipe, to D. C. McCullen, 1820 St. Mary Ave., Omaha, $1,275; pumps, to E. C. Archibald, 2200 Ave. A, Council Bluffs, Ia., $1,170, pipe line, to Martz Constr., Seward; valves and hydrants, to Interstate Mchy. Co., 1006 Douglas St., Omaha, $963. Grand total $14,708. Noted Mar. 12.

Tex., Dilley—Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, waterworks improvements, incl. distribution system, to D. M. Wilson, Grady, $4,155; 50,000 gal. storage tank, to Pittsburg-Des Moines Steel Co., Praetorian Bldg., Dallas, $4,250; 2 in. c.i. pipe, also hydrants, valves and boxes, to Kroeger Mchy. Co., San Antonio, $2,731 and $1,179 respectively; 4- to 8-in. c.i. pipe and specials, to Standard Sanitary Mfg. Co., 101 River Ave., San Antonio, $8,390; motor driven Ingersoll-Rand compressor, suction piping, fittings, etc., to San Antonio Machine & Supply Co., 325 North Center St., San Antonio, $1,566. Grand total $22,271. Noted May 28.

Tex., Rusk — J. A. Thompson, mayor, waterworks improvements, incl. earth dam, concrete spillway, 8 in. c.i. pipe lines, mains, laterals, etc., to B. F. Brooks Constr. Co., Slaughter Bldg., Dallas, $42,000. Engrs. est. $45,000. Noted May 28.

Okla., Morrison—City, will improve waterworks, incl. mains, well, etc., by day labor. $27,000. H. G. Olmstead & Co., Oklahoma Bldg., Oklahoma City, engrs. Noted Apr. 16.

Okla., Norman—For 10,500 ft. 12 in., 1,750 ft. 8 in., 12,000 ft. 6 in. and 10,000 4 in. c.i. pipe for extending mains in various streets, to Amer. Cast Iron Pipe Co., Acipco, Birmingham, $51,279. Engrs. est. $65,000. Noted June 11.

Sewers

PROPOSED WORK

R. I., Providence—Plans sewerage works in Rushmore Ave., Stansbury, Windmill and Veto Sts. $25,000. J. B. Ballard, chn. Com. on Sewers.

Sewers (Continued)

Miss., Marks—See "Waterworks."

O., Cincinnati — Plans 1,670 ft. 51- to 78-in. brick sewer in Observatory Rd. $60,150. F. Krug, City Hall, engr.

O., Cincinnati—See "Streets and Roads."

Mich., Detroit—Made plans brick tunnel sewer in 6,516 ft. Lyndon-Grand River Ave. Arm, East Mill Road Sewer; 2,311 ft. Harper Ave. Arm, West Section 2, Connors Creek Sewer, and 2,717 ft. Kendall Ave. Arm, West Wyoming Ave. Sewer; brick or concrete sewer, open cut in 4,3½ ft. Cadieux Rd. Sewer, tunnel or open cut sewer in 2,549 ft. Bonaparte Ave. Arm, East Wyoming Ave. Sewer. P. A. Fellows, city engr.

Mich., Detroit—Made plans vitr. lateral sewers in 671 ft. 12 in. Lateral 4367, 2,884 ft. 12- to 20-in. Lateral 4384, 6,720 ft. 12- to 24-in. Lateral 4385, 7,286 ft. 12- to 20-in. Lateral 4386, 2,546 ft. 12- to 24-in. Lateral 4388, 799 ft. 12- to 24-in. Lateral 4393, 626 ft. 15- to 18-in. Lateral 4394, 700 ft. 12- to 18-in. Lateral 4402, 4,638 ft. 12- to 24-in. Lateral 4405, 1,549 ft. 12- to 20-in. Lateral 4410; also vitr. or concrete storm sewers in 1,994 ft. 12- to 15-in. Storm Sewer 4407, 2,008 ft. 12- to 18-in., Storm Sewer 4408, 2,482 ft. 12- to 18-in. Storm Sewer 4411, 1,949 ft. 12- to 20-in. Storm Sewer 4412, 3,564 ft. 12- to 20-in. Storm Sewer 4413, 2,682 ft. 12- to 20-in. Storm Sewer 4414, 3,640 ft. 12- to 20-in. Storm Sewer 4415, and 2,499 ft. 12- to 15-in. Storm Sewer 4416. P. A. Fellows, city engr.

Missouri—See "Streets and Roads."

Mo., Lee's Summit — Election July 7, $80,000 bonds sanitary sewerage system and extending waterworks. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs. Noted Apr. 2.

Mo., Jefferson City—Making preliminary plans complete storm and sanitary sewers in various streets. $100,000. Black & Veatch, Mutual Life Bldg., Kansas City, engrs.

Ark., Little Rock — Making preliminary plans 8 ft. oval shaped sewer with connecting laterals from Arkansas River South to 9th St. and from Bway. to Cumberland St. $300,000. A. Kahn, 3504 Hill Rd. and C. T. Abeles, 2101 East 17th St., comrs. Engineer not announced.

Tex., Harlingen — Voted $25,000 bonds, extending to sewerage system. Address Mayor. Noted June 4.

Okla., Davenport — Defeated $35,000 bonds, new sanitary sewerage system. Project dropped. Noted June 11.

Okla., Oklahoma City—Election July 21, $825,000 bonds, 2 mi. outfall sewers and new disposal plant. Pease, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Calif., Glendale—See "Excavation, Drainage, Irrigation, Levees."

BIDS DESIRED

N. Y., Long Island City—July 9, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sanitary sewers, etc. in Lake View Pl., Stephens Blvd., 150th, 146th and 155th Sts. Conduit, 120th and 114th Aves.; high level sewers in 114th Ave., 2nd Ward.

N. Y., St. George—June 29, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewers in Willowbrook Rd., Bradley, Buchanan and Roosevelt Aves.

Md., Salisbury — July 10, by Water & Sewer Comn., sewers listed in Contr. 6. F. H. Dryden, ch. engr.; adv. E. N.-R. July 2.

Fla., Puntagorda—July 21, by City, M. C. Price, city mgr. extending sanitary sewers in various streets. J. B. McCrary, Eng. Corp., Citizens and Southern Bldg., Atlanta, Ga., engrs.

Fla., West Palm Beach—July 8, by City Comn., certain storm sewer improvements. T. B. Henry, city engr.; adv. E. N.-R. July 2.

Miss., Belzoni—July 8, by F. M. Pepper, city clk., approximately 4 mi. sanitary sewers etc. in various streets. D. M. Forrester, City Hall, engr.

O., Chippewa Lake—July 13, by Comrs. Medina Co., (Medina), sewage treatment plant and elevated tank, tower and foundations, Chippewa Lake, (Sewer Dist. 1). R. F. MacDowell, 1770 East 11th St., Cleveland, engr.

O., Fairview—July 6, by Village, sewers in various streets. $40,000. E. H. Arnold, Town Hall, Rocky River, engr.

Ill., Pittsfield — July 7, by Bd. Local Impvts., Firemens Hall, 46,904 ft. 8- to 18-in. vitr. clay and 84 ft. 8- to 18-in. c.i. sewers, etc., in various streets. Caldwell Eng. Co., Jacksonville, engrs. Noted Jan. 29.

Wis., Janesville — July 6, by Bd. Pub. Wks., 6,345 lin.ft. 8- to 12-in. vitr. clay sewers in various streets. C. V. Kerch, Hall, engr. Noted June 4.

Wis., West Milwaukee (Milwaukee P. O.)—July 6, S. J. Brew, village clk., approximately 2 mi. 6- and 8-in. vitr. or concrete sewers in various streets. To exceed $25,000. Orbert & Gohn Eng. Co., 6202 Greenfield Ave., West Allis, engrs. Noted May 21.

Ia., Villisca — July 14, by City, City Hall, 17,168 ft. 8- to 12-in. sewers, etc. F. C. Reese, city clk.; adv. E. N.-R. July 2.

N. D., Dickinson—July 13, by Bd. City Comrs., storm sewers and laterals in 23 blocks various streets. E. R. Griffin, Mandan, engr.

Ark., Lepanto—July 9, by Comrs. Sewer Impvt. 2, complete sanitary sewerage system. Dist. $29,700. T. H. Allen, Bank Commerce & Trust Bldg., Memphis, Tenn., engr. Noted Apr. 16.

Tex., Port Arthur—July 9, by City Com., 14,000 ft. storm sewers, etc., in Shreveport Ave. $69,500. Nagle, Witt & Rollins, 1024 Keystone Bldg., Houston, engrs.

Calif., Oakland—City Council taking bids 1,373 lin.ft. 10- to 21-in. vitr. conduits, or alternate 929 lin.ft. 10 and 15 in. vitr. and 1,173 lin.ft. 22 and 24 in. rein.-con. conduits, for East of Lake Storm Drain Sewer. W. W. Harmon, city engr.

Calif., Santa Barbara—City Council taking bids 23,373 ft. 6- to 14-in. vitr. and 48 ft. 8 in. c.i. sewers in Punta Gorda St., etc. G. D. Morrison, city engr

BIDS RECEIVED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, June 23, main sewer in Stokley St., and in Winghocking sewer, from R. Lombardi, 601 Lincoln Bldg., $238,600 and $280,450 respectively; South Phila. Impvt. in Oregon Ave. Sewer from E. Fay & Son, 2 South Male St., $51,970; branch sewers in Alresford St., from A. Mattia, 310 North 65th St. $2,348, Colorado and Darien Sts., from Sarco Contg. & Building Co., 1213 Snyder Ave. $2,819 and $8,218 respectively, Edgemont St., from J. Moss, 1652 Wakeling St. $5,337, Gaul St., from V. S. Campellone, 812 West Venango St. $3,075, Oxford St., from J. J. McHugh, 1617 Race St., $4,572. Noted June 18.

O., Columbus—See "Streets and Roads."

O., Euclid — City, sanitary and storm sewers in Chardon Rd., from Curro & Whittaker, 12208 Mayfield Rd., Cleveland, brick $48,100, segmental block $47,992, and concrete $45,104; Cut Rd., from M. Iafornaro Co., 2280 Murray Hill Rd., Cleveland, $11,780. Noted June 11.

Mich., Detroit—Bd. Pub. Wks., City Hall, from R. D. Baker, 1631 Elmhurst Ave., rein.-con., brick and vitr. sewers in Grand River Ave. Arm, East Hubbell Ave. Sewer $158,409, Grand River Ave. Arm West, Hubbell Ave. Sewer $49,317, Schoolcraft Ave. Arm, East Millroad Sewer $95,818; from G. R. Cooke, 1260 Penobscot Bldg., Hubbell Ave. Sewer, Sect. 4, $285,430; from T. D. Nolan, 11341 Woodward Ave., Schoolcraft Ave. Arm West, Hubbell Ave. Sewer, $36,076; from Detroit Drainage Constr. Co., 5099 LeMay Ave., Monnier-Schoolcraft Arm, Hubbell Ave. Sewer, $54,286. Noted June 4.

Ill., Wheaton—Wheaton Sanitary Dist., June 16, sewage disposal plant, etc., from W. J. Newman & Co., 21 North Curtis St., Chicago, Ill. Noted May 28.

Wis., Milwaukee—Dept. Pub. Wks., June 15, from G. E. Zimmermann, 3402 Grand Ave., 12 in. vitr. and 24- to 30-in. rein.-con. sewers in Euclid Ave. from Jordan Ave. to Herman St. $11,875, 12 and 15 in. sewer in Jordan Ave. from Oklahoma to Euclid Aves., $1,608; from W. T. Werner, 675 Hi-Mount Blvd., 8 and 12 in. sewer in Pine Ave. from Oklahoma to Euclid Aves. $1,392, Lepoy St. from Euclid to Oklahoma Aves. $1,402, Ullrich Ave. from Oklahoma to Euclid Aves. $1,360, Sheridan Ave. from Oklahoma to Euclid Aves., $1,477; from J. Brogan & Sons, 700 Dousman St., Green Bay, 8 and 21 in. sewer in Vliet St. from 58th to 60th Sts. $4,352, 8 and 12 in. sewer in 16th St. from Lake St. to Fiebrantz Ave., $1,483; from Szukalski & Matke, 1098 Amer. Ave., 12 in. sewer in Herman St. from Oklahoma to Euclid Aves., $856; from Wenzel & Henoch Co., 498 27th St., 8 and 12 in. sewer in 59th St. from Vliet St. to point south, $2,218; from H. Hohensee, Ludington Ave., Wauwatosa, 457 ft. 96 in. monolithic concrete sewer in Jordan Ave., $23,893.

Wis., Milwaukee—Dept. Pub. Wks., June 16, from F. E. Kaminski, 745 46th Ave., West Allis, 8 and 12 in. sewer in Logan Ave. from Oklahoma to Euclid Aves. $1,978, Dousman St. from Burleigh St. to point north, $600; from J. Brogan & Sons, 700 Dousman St., Green Bay, 12 in. sewer in Howell Ave. from Oklahoma to Euclid Aves. $2,176, 18 and 24 in. sewer in Washington Blvd. from 59th to 60th Sts. $2,563, 8 in., 48 in. monolithic concrete, 24 and 36 in. rein.-con., also 12 and 21 in. sewer, etc., in Fiebrantz Ave. from 16th St. to Atkinson Ave. $45,043; from Szukalski & Matke, 1098 Amer. Ave., 8 and 12 in. sewers in Griffin Ave. from Oklahoma to Euclid Aves., $1,752; from G. E. Zimmermann, 3402 Grand Ave., 8- to 21-in. sewers in 11th Ave. from Oklahoma to Euclid Aves., $10,341; from Kehrein Bros., 1304 11th St., 12 in. sewer in Newport Ave. from Maryland Ave. to point west, $462, 8 and 12 in. sewers in Holt Ave. from Kinnickinnic Ave. to point west, $775; from T. G. Holton, 345 27th Ave., 12 in. sewers in South Water St. from Barclay St. to point west, $422; from Clayton Constr. Co., 929 Hackett Ave., 8 and 10 in. pipe and 48, 60 and 66-in. monolithic concrete sewers, etc., in Hope St. from 27th St. to Atkinson Ave., $55,578.

Calif., Los Angeles—For Sect. 22, North Outfall sewer, 12,806 lin.ft. (1) 6 ft. semi-elliptical brick concrete pipe (2) 6 ft. semi-elliptical concrete pipe or (3) 6 ft. 6 in. precast concrete pipe, from R. E. Cooney, 214 South Norton Ave., (1) $200,000 (2) $187,000; from Visalia & Brkich Co., Douglas Bldg., (3) $392,000.

Calif., Oakland — City. Elmhurst Storm Sewer, rein.-con. box culvert and vitr. pipe conduit, from Heafey-Moore & McNair, 2030 High St., $164,275. Noted Apr. 30.

Calif., Porterville—Sewage disposal plant, vitr. sewers, and c.i. pipe connecting lines, etc., from H. A. Teget, Alhambra, $43,330. Noted Apr. 9.

CONTRACTS AWARDED

N. H., Manchester — L. B. Hoyt, surv. Dept. Highways City Hall, completing construction and installing for city Beach Street Intercepting Drain, incl. branch drain and appurtenances, to T. G. Jewett, Jr., Inc., 35 7th St., New Bedford, $114,968. Noted June 25.

Md., Baltimore—Mayor and City Council, 30,300 lin.ft. 8 in. vitr. sewer, 11,900 lin.ft. 5 and 6 in. house connections, etc. in Sewer Dist. H-6-2, Contr. 218, to N. Martell, 417 South Eden St., Baltimore, $102,951.

W. Va., Dunbar — Sewers in various streets, to A. Trainer & Son, 1128 9th Ave., Huntington, $60,000.

Miss., Columbus—See "Waterworks."

Ia., Centerville—M. G. Hall Co., engrs., Centerville, remodeling 58 x 165 ft. septic tank, 30 x 94 ft. sprinkle filter, sludge bed, etc., to W. B. Carter, 506 U. B. Bldg., Sioux City, $26,200. Engrs. est. $40,000. Noted June 4.

Tenn., Knoxville—Lonsdale Trunk Sewer, concrete, to Fisher & Calloway, Lenoir City, $53,048. Engrs. est. $75,000. Noted Mar. 19.

O., Akron — W. F. Peters, dir. Pub. Serv., **(e. e. means engrs. est.)** 17,620 ft. 8- to 18-in. vitr. clay sewer in Alton Dr. et al., and 12,520 ft. 8- to 18-in. in West Market St. et al., to L. Crano & Co., Peoples Savings & Trust Bldg., $54,412, and $48,993 respectively, e. e. $72,600 and $64,800 respectively; 270 ft. 39 in. brick and 400 ft. 8- to 14-in. vitr. clay sewer in South Main St., and 4,285 ft. sewer in Laffer Ave. et al., to W. McDowell & Sons Co., 4120 East 104th St., Cleveland, $10,479 and $22,461 respectively, e. e. $12,000 and $30,300 respectively. Grand total $136,345. Noted June 25.

O., Cincinnati—Hamilton Co., for (1) 165,626 ft. 6- to 12-in. vitr. clay sewer in Schedule A, and (2) sedimentation tanks and filter plant, Schedule B, in Sewer 3, Dist. 2, (Mt. Healthy, North College Hill and Steele's Subv'd), to Hammen Constr. Co., 4612 Woodward St., Detroit, Mich., (1) $421,743, engrs. est. $489,338, to F. Franz, Cincinnati Ave., North Bend, (2) $130,552, engrs. est. $134,462. Noted June 4.

Mich., Grand Rapids—July 22, by Director Pub. Serv., City Hall, constructing Marion-Lane Relief Sewer Project, Contr. Q-2. F. H. Locke, city mgr.; adv. E. N.-R. July 2.

Neb., Omaha — J. P. Hoctor, city clk., vibrolithic concrete or rein.-con. monolithic sewer in Dist. 923, to Omaha Sewer Constr. Co., 1805 Dodge St., $18,620; vibrolithic concrete sewer in Dist. 918, to Boyne Constr. Co., Omaha, $575; vibrolithic concrete sewer in Dist. 920 and vibrolithic concrete storm sewer in Dist. 826, to Humphreys Bros., 4420 Leavenworth St., $1,097 and $5,308 respectively; rein.-con. storm sewer in Dist. 837, to J. Jensen, 2625 Wirt St., $6,286. Grand total $31,886.

Waste Disposal

CONTRACTS AWARDED

Tex., Port Arthur — Owner, c/o J. P. Logan, mayor, incinerator plant, 35,000 ton capacity, to Superior Incinerator Co., Port Arthur, $45,500. Engrs. est. $50,000.

Bridges

PROPOSED WORK

N. H., The Weirs (Ind. Sta. Laconia)—Boston & Maine R.R. Co., North Station, Boston, Mass., plans rebuilding over pass bridge, on Daniel Webster Highway, here. To exceed $25,000. F. A. Merrill, ch. engr.

Mass., Boston — Dept. Pub. Wks., plans superstructure crossover for traffic at junction Tremont and Boylston Sts. $150,000. J. A. Rourke, comr.

W. Va., Charleston—Kanawha Co. election July 7, $1,750,000 bonds for 2 bridges, one $327,000 and other $451,000, balance for purchase 2 bridges already erected. C. P. Fortney, Charleston, engr.

North Carolina — State Hy. Comn., Raleigh, plans rein.-con. bridges and culverts on Project 395, Robeson Co. $55,000. C. M. Upham, highway engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys bridge over Tennessee River, on Memphis-Bristol Highway, near Trotters Landing. $750,000-$1,000,000. J. G. Creveling, highway comr.

Tenn., Knoxville—Voted $250,000 bonds viaduct at Bway. Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., will appropriate $250,000 toward cost. L. Brownlow, city mgr. B. Herman, ch. engr. railroad.

Tenn., Wartburg — See "Streets and Roads."

O., Barberton—Summit Co. (Akron) plans bridge over Mud Run, on High St., here. $26,000.

O., Kenmore—Election in August $35,000 bonds, viaduct over 27th St.

Mich., Rochester—Made tentative plans 1,200 ft. concrete and steel viaduct, 42 ft. G. C. Dillman, Lansing, engr.

Tex., Austin—Takes bids after July 6, 3 arch, 300 ft. rein.-con. bridge across Barton Springs, $25,000. Terrell Bartlett, Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., San Antonio — Bexar Co., election soon $500,000 bonds, constructing bridge. A. McCloskey, San Antonio, co. judge. Noted Jan. 8.

Tex., San Diego — See "Streets and Roads."

Tex., Waxachie — See "Streets and Roads."

Tex., Wichita Falls—Election soon $200,000 bonds constructing viaduct over river and railway yards in conjunction with county, and for overhead and subway railroad crossing. $400,000. R. M. Rugely, city engr.

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 11 span 2,100 ft. steel truss bridge on concrete piers at Sand Springs, Tulsa Co., $300,000; 4 span 720 ft. steel truss bridge on concrete piers over Cimarron River, at Guthrie, Logan Co., $200,000. J. M. Page, high engr.

Washington—State Hy. Comn., Olympia, making plans two 200 ft. steel trusses or two 120 ft. and one 140 ft. rein.-con. open spandrel fixed arches, across Elwha River, on State Rd. 9, Clallam Co. J. W. Hoover, highway engr.

Calif., Santa Rosa — See "Streets and Roads."

BIDS DESIRED

N. Y., Auburn—July 14, by H. B. Jackel, city mgr., 60 ft. span rein.-con. bridge over Owasco Outlet, at Washington St. M. F. Dullea, city engr.; adv. E. N.-R. July 2.

N. Y., Rock Rift — July 14, Rock Rift Bridge between Walter and Tompkins, here. G. M. Carpenter, superv. town of Walton, J. Chamberlin, superv. town of Tompkins; adv. E. N.-R. July 2.

N. J., Perth Amboy—July 13, at office State Hy. Comn., Trenton, constructing Route 4, Sect. 33, Perth Amboy Bridge cutoff, etc., here, Middlesex Co. P. P. Costello, city clk.; adv. E. N.-R. July 2.

North Carolina—July 21, by State Hy. Comn., Raleigh, rein.-con. bridges and culverts on Project 889, Yancey Co., $30,000; on Project 851, McDowell Co., $50,000; and on Project 395, Robeson Co., $55,000. C. M. Upham, highway engr.

Wis., Manitowoc—July 20, by Bd. Pub. Wks., new double leaf bascule bridge over Manitowoc River, at 8th St. H. F. Kelley, pres.; Adv. E. N.-R. July 2.

Wis., Milwaukee—July 7, by Dept. Pub. Wks., R. Stoelting, comr., 1,100 ft. steel deck girder bridge, 78 ft., at Holton St. $800,000-$900,000. M. C. Cutler, City Hall, engr. Noted Apr. 23.

Kansas—July 8, by Clerk Woodson Co., Yates Center, Cooper Bridge, two 35 ft. deck girder spans with gravity abutments, 3 mi. north of Yates Center, and Spogy Bridge, 50 ft. deck girder span with rein.-con. abutments, about 2 mi. northwest of Neosho, both 20 ft. roadway. H. O. Ashley, Yates Center, engr.

Tex., Gonzales—See "Streets and Roads."

Tex., San Diego — See "Streets and Roads."

Tex., Wichita Falls—See "Streets and Roads."

Colorado—July 9, by State Hy. Dept., Denver, bridges and approaches on 0.0104 mi. Montrose-Ouray Highway, Federal Aid 293-A, Montrose Co. $25,000. L. D. Blauvelt, State Office Bldg., engr.

Calif., San Francisco — July 22, by Bd. Pub. Wks., replacing present bridges at Mt. Vernon and San Jose Aves. for city and San Francisco Co. $175,000. M. M. O'Shaughnessy, city engr. Noted Mar. 26.

Ont., Welland—July 20, by J. W. Pugsley, secy. Dept. Rys. & Canals, Ottawa, superstructures and machinery for 4 bascule bridges, over Welland Ship Canal, here. $1,000,000.

BIDS RECEIVED

Rhode Island—State Bd. Pub. Wks., State House, Providence, constructing bridge 3 known as Apponaug Bridge in Warwick, from F. T. Wescott, North Attleboro, Mass., $8,460; Bridge 19, known as Silver Spring Mill Bridge, in North Kingstown, from J. D'Aloria, Franklin, Mass., $5,900; Bridge 139, known as New Harbor Rd. Bridge, New Shoreham, from W. V. Polleys, East Providence, $9,000; Bridge 170, the Leland Bridge, in Burrillville, from G. F. Austin, East Greenwich, $2,190; Bridge 201, the Pontiac Ave. Bridge, Cranston, from T. Mulcare, Inc., Cambridge, Mass., $7,378; Bridge 202 Farnum Bridge, North Smithfield, from G. F. Austin, East Greenwich, $3,275. Noted June 11.

New Jersey—State Hy. Comn., Trenton, June 22, 2 concrete bridges on Route 2, Sect. 8, between Bridgeboro and Pensauken Creek, Burlington Co., from J. M. Everett, Hackettstown, $17,183. Noted June 4.

Ohio — Dept. Hys. & Pub. Wks., Columbus, June 19, rein.-con. through arch bridge on Piqua-Urbana Rd., Miami Co., from Stout & Stout, Stoutsville, $129,942; concrete substructure and steel superstructures, on Sect. "E-Bridge" Canton-Canal Dover Rd., Tuscarawas Co., from Brookville Constr. Co., Brookville, $33,843.

Ohio—See "Streets and Roads."

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, one 40 ft. and one 55 ft. concrete girder bridges, Route 1, Sect. 43-A, Saline Co., from C. Barth, Marion, $10,700, one 20 ft. concrete slab and one 42 ft. concrete girder bridges, Route 3, Sect. B, Morgan Co., from Herrick Constr. Co., Carlinville, $11,204, two 40 ft. span overhead crossing, and three 50 ft. span concrete girder bridge, Route 7, Sect. S, Bureau Co., from F. T. Smith, Tipton, Ia., $22,441, three 43 ft. girder overhead crossing, Route 23, Sect. 26-V, DeKalb Co., from G. C. Fairclo, Watseka, $11,283, seven 40 ft. span concrete girder bridge, Route 32, Sect. 4-B, Moultrie Co., from Dees Bros., Oblong, $31,251, one 24 ft. and one 40 ft. concrete girder spans Route 36, Sect. 2-B, Hancock Co., from F. Wustholz, Claytonville, $9,804, one 24 ft. concrete slab bridge, four 45 ft. and one 58 ft. concrete girder spans, Route 40, Sect. 10-B, Jo Daviess Co., from B. B. Wustholz, Claytonville, $32,726; sidewalks for bridge on Route 6, Sect. 2-K, DuPage Co., from Joliet Bridge & Constr. Co., Joliet, $1,434. Noted June 18.

Ark., Beaver — C. A. Fuller, engr., Eureka Springs, June 13, three 115 ft. steel truss spans on rein.-con. piers over White River, here, from M. P. Orr, Harrison, for City. $19,800. Noted June 4.

Tex., Dickens—See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

CONTRACTS AWARDED

Massachusetts—See "Streets and Roads."

North Carolina — State Hy. Comn., Raleigh, concrete bridges and culverts on Project 405, Chatham Co., to J. S. Bowers, Whiteville, $48,651. Noted June 25.

Alabama—State Hy. Dept., Montgomery, bridge on State Project 20, Lamar Co., to S. J. Cummins, Gadsden, $35,703.

La., Bastrop — Police Jury Morehouse Parish, timber trestle bridges on Projects 7-B and 17-B, to Vincennes Bridge Co., Vincennes, Ind., $12,575; material for above, to Long Bell Lumber Co., Longview, Wash., $12,991. Noted May 28.

O., Dayton—City, G. F. Baker, dir. Pub. Serv., bridge over Wolf Creek, at Bway., to E. S. Smith, Summit St. Bridge, $132,000. Noted June 4.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 5, Sect. 20-B, Stephenson Co., to W. H. Shons Co., 11 South Liberty St., Freeport, $5,871; bridge on Route 13, Sect. 13-B, Jackson Co., to Kentucky Bridge Co., and N. E. Stone, Madisonville, Ky., $39,809; bridge on Route 33, Sect. 6-B, Jasper and Effingham Counties, to C. J. Moritz, Effingham, $28,454. Grand total $74,134. Noted May 28.

Kan., Wellington—Sumner Co. will build four 20 ft. span rein.-con. low water bridges, 20 ft. roadway over Buff Creek, by day labor. J. M. Mavity, Court House, engr.

Tex., Anderson—See "Streets and Roads."

Tex., Arthur City—Lamar Co. (Paris), Tex. and Choctaw Co. (Hugo) Okla., 4 steel timber pile approach span 0.1719 mi. bridge across Red River, near here, to Austin Bridge Co., 1815 Clarence St., Dallas. Engrs. est. $147,000. Noted May 28.

Tex., Dickens—See "Streets and Roads."

Tex., Gatesville — See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., Palestine—See "Streets and Roads."

Tex., San Antonio—Bexar Co. rein.-con. deck girder bridge across San Antonio River, on St. Marys Street, to McKenzie Constr. Co., Travis Bldg., $30,500. Engrs. est. $26,000.

Tex., Vernon—J. A. and J. I. Staley, Staley Bldg., Wichita Falls, 1 mi. creosoted pile trestle bridge, across Red River, north of here, Wilbarger Co., to Austin Bridge Co., 1815 Clarence St., Dallas, approximately $145,000. Engrs. est. $150,000.

Oklahoma — State Hy. Dept., Oklahoma City, (**e. e. means engrs. est.**), 1 span 120 ft. steel truss and concrete bridge at Delaware, Nowata Co., 59.5 tons truss steel, 9.65 tons reinforcing, etc., to W. F. Troebe, Muskogee, $22,840 e. e. $25,000; 2 span 116 ft. steel truss and concrete bridge at Duncan, Stephens Co., 12.4 tons truss steel, 5.85 tons reinforcing 1,820 ft. woodpiling, etc., to Woodward Constr. Co., Ponca City, $27,695 e. e. $29,000; 3 span 180 ft. steel truss and concrete bridge at Baron, Adair Co., 126 tons truss steel, 146 cu.yd. concrete slab, 15,150 cu.yd. earth embankment, etc., to Pioneer Bridge Co., New York LifeBldg., Kansas City, Mo., $34,291 e. e. $41,467; 2 span 140 ft. steel truss bridge on concrete piers, 81 tons steel truss, 17.8 tons reinforcing, 99 cu.yd. concrete slab, etc., to L. Johnson, Muskogee, $20,880 e. e. $25,000. Noted June 11.

Oklahoma—See "Streets and Roads."

California — State Hy. Comn., Sacramento, (**e. e. means engineer's estimate**), two 60 ft. and two 34 ft. span rein.-con. girder bridge, across Truckee River, at Prosser Creek, also one 57 ft., one 30 ft., and two 42 ft. span rein.-con. girder bridge, across Southern Pacific R.R. tracks, at Hinton, both 21 ft., Nevada Co., to T. H. and M. C. Polk, Chico, $23,095 and $18,825 respectively, e. e. $23,785 and $21,819 respectively; one 144 ft. and two 40 ft. span bridge across Truckee River, near Boca, Nevada Co., to Rocca & Caletti, San Rafael, $30,191 e. e. $33,546; 2 rein.-con. bridges, 24 ft., one over Villa Creek, Pismo, and other over Southern Pacific R.R. tracks, near Pismo, San Luis Obispo Co., to J. L. Webster, Chico, $44,802 e. e. $47,427. Grand total $98,088. Noted June 4 and 25.

Dams

PROPOSED WORK

Okla., Bernice—See "Buildings—Industrial."

BIDS DESIRED

Tex., San Antonio — July 27, by J. W. Tobin, mayor, at office City Clerk, City Hall, constructing Olmos Creek Detention Dam and appurtenances; adv. E. N.-R. July 2.

Calif., Merced—July 28, by H. P. Sargent, secy. Merced Irrigation Dist., Barcroft Bldg., 14 sets gate operating gearing. To exceed $15,000. Noted May 7.

Dams (Continued)

BIDS RECEIVED

O., **Hinkley** (mail Brunswick)—Bd. Park Comrs. of Cleveland Metropolitan Park Bd., West 3rd and Frankfort Ave., Cleveland, rein.-con. dam, here, from Forschner Co., East 10th St. and St. Clair Ave., Cleveland, $80,605. Noted June 18.

CONTRACTS AWARDED

Wis., Burkhardt — Willow River Power Co., A. R. Schultz, pres., Hudson, rein.-con. and steel dam and hydro-electric power plant, on Willow River, to Siems, Helmers & Schoffner, Guardian Life Bldg., St. Paul, Minn. Engrs. est. $40,000. Noted May 21.

Railways

PROPOSED WORK

Montana — Great Northern Ry. Co., St. Paul, Minn., plans etxending Bainville-Scobey branch, approximately 50 mi. from Scobey to Opheim, in Montana. A. H. Hogeland, ch. engr.

Texas—Gulf Coast Lines, L. W. Baldwin, pres., 4931 Lindell Blvd., St. Louis, Mo., made surveys 29.3 mi. railroad between Raymondville and Edinburg, here, with 20 mi. of branch and feeder lines, grading, bridging, tracklaying and ballasting. C. S. Kirkpatrick, Union Sta. Bldg., Houston, ch. engr.

Washington—H. E. Brown, pres. Cowlitz, Chehalis & Cascade Ry. Co., Chehalis, takes bids about July 15, 14 mi. railroad extension from Lacamas to Mossy Rock, also in market for iron rails, 2 new engines, etc. $350,000. R. W. Sweet, ch. engr.

California — City of San Francisco Co., rejected bids extending Sunset Line of Municipal Railway, in San Francisco. $28,-743. Noted June 11.

CONTRACTS AWARDED

Wisconsin — Minneapolis, St. Paul & Sault Ste. Marie Ry. Co., Soo Line Bldg., Minneapolis, Minn., making plans railroad yards trackage on Stimson Ave., in Superior, here. $85,000. Work will be done by day labor. E. A. Whitman, ch. engr.

British Columbia—Canadian Pacific Ry. Co., Windsor St., Montreal, Que., constructing diversion on Kettle Valley Ry. and filling in along trestle bridge, at Pentidon, to Dawson, Wade & Co., Behins Bldg., Vancouver, $50,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Calif., Compton—Plans channel improvements. $25,000. J. W. Reagan, Hall of Records, engr.

Calif., Glendale — Bd. Supervs. Los Angeles Flood Control, takes bids about July 9, rein.-con. box storm drain, and straightening channels. $166,565. J. W. Reagan, Hall of Records, engr.

Calif., Inglewood—Plans election $50,000 bonds, drainage improvements.

Alta., Calgary—Magrath Irrigation Dist., Magrath, plans 135,000 yd. canal excav., 300,000 ft. timber structures, miscellaneous concrete and timber structures, here. $79,-000. P. H. Morgan, Dom. Water, Power & Reclamation Serv., Calgary, engr.

BIDS DESIRED

Louisiana—July 7, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing changing Amite River Channel change, 1,000 ft. long, State Project 480, East Baton Rouge Parish, 26,000 ft. excav., alternate bids on 18,000 cu.ft. excav., etc. W. B. Robert, highway engr.

Calif., Tracy — July 11, by Directors Banta-Carbona Irrigation Dist., 40 mi. distributing lateral system, 80,000 cu.yd. excav., 610 r.w. timber checks and drops, and 300 timber turnouts. W. D. Harrington, Tracy, engr.

BIDS RECEIVED

Calif., Richmond—Dredging 93,000 cu.yd. in inner harbor, from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, at $0.26 per cu.yd. Noted June 18.

CONTRACTS AWARDED

Minn., Granite Falls—G. H. Wilson, aud. Yellow Medicine Co. (Granite Falls), and R. D. Houderscheldt, aud. Lyon Co. (Marshall), excavating and tiling Judicial Ditch 14, approximately 48,100 lin.ft. 7-20 in. tile and 3,435 ft. 30-32 in. double strength, 1 bulkhead, 15 intakes ,etc., to Peterson & Hemmingson, Tracy, $39,000. Noted Apr. 16.

Streets and Roads

PROPOSED WORK

R. I., Providence — Dept. Pub. Wks. plans asphalt resurfacing Academy Ave., Kenyon and Brighton Sts. $25,000. W. F. Slade, comr.

Mass., Boston — Plans reconstructing Bromfield, Cooper, Margaret, Sheafe and Henchman Sts. $28,900 appropriated. J. A. Rourke, comr. Dept. Pub. Wks.

Mass., Cambridge — Plans reconstructing Grozier Rd., Myrtle Ave., Eustis, Blackhall and Beaver Sts., $25,000 appropriated; also Bway., Huron Ave., Grant and Kirkland Sts., $100,000 appropriated. Private plans.

Mass., Chelsea — Voted $75,000 bonds bitulithic paving various streets.

Mass., Revere — Plans reconstructing Shireley Ave., and granolithic sidewalks on various streets. $25,000. Private plans.

W. Va., Charleston—Kanawha Co. election July 7, $200,000 bonds improving various roads in Charleston Dist. R. R. Barber, Charleston, engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grading and surfacing 22.1 mi. roads in Durham, Wake, Rockingham and Alexander Counties, $143,000; clearing, grading, concrete or asphalt paving, etc., 46.942 mi. roads in Hyde, Washington, Franklin, Granville, Rutherford, Catarrus and Randolph Counties, $1,400,-800; clearing and grading, etc., 30.418 mi. roads in Robeson, Yancy and McDowell Counties, $325,000; clearing, grading, topsoiling, etc., 13.73 mi. roads in Hoke Co., $62,000. C. M. Upham, highway engr.

North Carolina — State Hy. Comn., Raleigh, rejected bids June 9, clearing, grubbing, etc. 8.92 mi. Project 105-E, Beaufort Co.; and 7.58 mi. Project 246, Jones Co., $328,554. Will readvertise. C. M. Upham, engr.

N. C., Raleigh—Plans asphaltic on concrete paving portions of about 40 additional streets. $500,000. C. C. Page, Raleigh, comr. Pub. Wks.

Miss., Blue Mountain—Tippah Co. voted $75,000 for hardsurfacing various roads. Noted June 4.

Miss., Corinth—Alcorn Co. plans improving road to Tippah Co. line.

Miss., Starkville — Oktibbeha Co. plans election $450,000 bonds complete highway system.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 15 mi. Murfreesboro-Shelbyville Rd., Rutherford Co. J. G. Creveling, highway comr.

Tenn., Greeneville — Greene Co. plans improving various roads. $75,000. D. W. Harmon, Greenville, engr.

Tenn., Knoxville—Plans improving various streets. $500,000 bond issue contemplated. B. A. Morton, mayor.

Tenn., Milan—Making surveys permanent paving various streets. $100,000. L. O. Brayton, Dyersburg, consult. engr.

Tenn., Wartburg—Morgan Co. and State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 5 mi. Pilot Mountain-Wartburg Rd., incl. bridges, etc. J. G. Creveling, Nashville, highway engr.

Ohio—Dept. Highways & Pub. Wks., Columbus, cancelled bids June 19, grading, etc., 4.85 mi. Sect. "H" Jackson-Ironton Rd., Lawrence Co., $88,334, 4.007 mi. Sect. "I" same road $55,160, and 4.308 mi. Sect. "J" same road $43,920; brick widening 0.778 mi. Sect. "A" Toledo-Elmore Rd., Lucas Co.; paving 1.136 mi. Toledo-Elmore Rd., Lucas Co., brick, incl. brick $77,171, state to furnish brick $65,250, sheet asphalt and brick, incl. brick $77,484, sheet asphalt and brick, state to furnish brick $76,374.

O., Akron—Summit Co. plans improving Munroe Falls-Kent Marsh Rd., $27,500; South Main St., $27,500; and Cuyahoga Falls-Magadore Rd., $78,500. R. E. Willems, Court House, engr.

O., Canton—Plans improving 1 mi. Clarendon Ave. S. W., 50 ft. $75,000 to $85,000; and Park Ave. S. W., $60,000. W. E. Sarver, City Hall, engr.

O., Kenmore—Plans brick paving 3,600 ft. Lincoln Ave., 40 ft. $60,000.

Ind., Auburn—Dekalb Co., plans grading and graveling 3.1 mi. Shilling Rd., 30 ft. $26,000. C. Kain, Auburn, engr.

Mich., Detroit—Made plans grading, curbing and 3½ in. sheet asphalt on 8 in. concrete paving, 25,323 sq.yd. Wyoming Ave., 1,752 sq.yd. Cutler St., 793 sq.yd. Rich Ave., 8,853 sq.yd. Kentucky Ave., 1,179 sq.yd. Pittsburgh Ave., 15,078 sq.yd. Connors Ave., 2,317 sq.yd. Morley Ave., and 20,482 sq.yd. State Fair Ave. P. A. Fellows, city engr.

Mich., Ecorse — Making plans curbing and one course concrete paving 30,000 sq. yd. 6th St., etc. $100,000. M. L. Brown & Son, 405 Capitol Bldg., Detroit, engrs.

Ill., Belleville—Soon takes bids grading, curbing and concrete surfacing Roland Ave., 33rd, 35th and 34th Sts. $55,000. C. A. Hinzleman, City Hall, engr. Noted June 18.

Ill., Kewanee — Plans grading, curbing and rein.-con. granite top, brick or Warrenite bitulithic surfacing 6 blocks Division, Henry and Vine Sts., 26 and 30 ft. $35,000. J. G. Palmer, City Hall, engr.

Ill., Lincoln — Plans grading, curbing, paving, etc., 4 blocks College St., 40 ft. $30,000. W. W. Miller, alderman.

Ill., Wheaton—Soon takes bids grading, curbing and concrete surfacing 21,000 sq. yd. various streets in Paving Dist. 1. Wells Eng. Co., Geneva, engrs.

Minn., Minneapolis—Hennepin Co. making plans grading, gravel surfacing, etc. 4 mi. Parkers Lake Rd., Long Lake Rd., State Aid Rroad 17, also 4 mi. Long Lake-State Rd. 10. $45,000 each. J. W. Shaffer, co. surv.

Kan., Howard—Elk Co. soon takes bids grading, etc., 8.692 mi. Federal Aid Project 297-A, 26 ft. C. B. Alexander, Howard, engr. Noted Apr. 2.

Mont., Butte—Making plans paving approximately 48,000 sq.yd. district between Park and Gold Sts. and across streets between Montana and Jackson Sts. $125,000. H. J. Weigenstein, city engr.

Missouri — B. Altheimer & Bros., Wainwright Bldg., St. Louis, making preliminary plans sidewalks, concrete paving, sanitary sewers and water mains in 1,200 lot subdivision in Weber Tract, Page Ave. and Woodson Rd., in St. Louis Co. (Clayton) just outside city limits. $250,000. Private plans.

Mo., Clinton — Soon takes bids concrete paving various streets. $25,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs.

Tex., Amarillo—Randall Co. voted $30,-000 bonds improving about 6 mi. highway in Rd. Dist. 4. Address County Judge, Amarillo. Noted Apr. 16.

Tex., Bastrop—Bastrop Co., election soon $25,000 bonds grading and surfacing 3 mi. Giddings-Waelder Highway. A. Schafil, Bastrop, div. engr.

Tex., Big Springs—Election July 17, $60,-000 bonds, paving various streets. J. W. Middleton, city secy. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs. Noted June 4.

Tex., Brownfield—Terry Co. voted $200,-000 bonds hardsurfacing about 14 mi. road radiating from here. H. P. Winston, judge. Noted June 4.

Tex., Carthage—Panola Co., election soon $50,000 bonds improving highway in Midyett Dist. Titus & Dillon, Carthage, engrs.

Tex., Cleburne—City, c/o W. H. Goldsmith, mayor, plans paving Angelin St. to northern city limits. $30,000. Engineer not announced.

Tex., Corsicana—Navarro Co. defeated $7,000,000 bonds hardsurfacing various roads. Noted June 4.

Tex., Harlingen—Voted $132,000 bonds, permanent paving various streets. Address Mayor. Noted June 4.

Tex., Haskell—Haskell Co. election soon, $950,000 bonds, improving about 40 mi. highway radiating from here. J. G. Foster, Haskell, judge.

Tex., Lampasas—C. Rice, city engr., takes bids about July 5, asphalt surfacing 48,000 sq.yds. various streets. $110,000.

Tex., Lubbock—Election July 2, $50,000 bonds paving various streets. J. R. Germany, city secy. Engineer not announced.

Tex., Orange—Orange Co., election soon, $70,000 bonds, surfacing and grading 10 mi. Vidor-Evadale Rd. and 2 mi. Terr-Doty Rd. J. E. Johnson, Lutcher-Stark Bldg., engr.

Tex., Richmond — Ft. Bend Co. voted $785,000 bonds constructing various roads. C. H. Kendall, Sugarland, co. engr.

Tex., San Diego—Duval Co., plans grading and bridging 13.33 mi. State Highway 12-A, Federal Aid Project 424-F, 26 ft. $70,300. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Tex., San Diego—Duval Co. takes bids after July 1, grading and bridging 13.33 mi. State Highway 12-A, Federal Aid Project 424-F. $70,300. F. E. Hess, San Diego, engr. Noted May 7.

Tex., Texas City—Election July 20, $130,-000 bonds paving various streets. Address City Secretary.

Tex., Waxahachie—Ellis Co., plans grading and bridging 4.08 mi. State Highway 6, 26 ft. Federal Aid Project 487-C, 26 ft. $26,600. W. A. Spalding, Waxahachie, co. engr.

Okla., Drumright — Making plans grading and concrete paving 8,600 sq.yd. Hill Side and Creek Ave. $34,000. Peckham & James, 227 West Grand Ave., Oklahoma City, engr.

Streets and Roads (Continued)

Okla., Oklahoma City — Making plans grading and sheet asphalt paving 6,200 sq. yd. Lottie Ave. and 16th St. $30,000. B. Hart, City Hall, engr.

California — State Hy. Comn., Sacramento, rejected bids June 15, bituminous seal coat surfacing 15.7 mi. road between Auburn and point ¾ mi. north of Colfax, Placer Co. Work will be done by day labor. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Bakersfield—Made plans improving portions of Sunset Ave., California and C Sts., etc., 173,218 sq.ft. grading, 13,556 sq.ft. concrete guttering, 878 lin.ft. concrete curbing, 173,218 sq.ft. 1½ in. Warrenite bitulithic on 3½ in. asphaltic concrete surfacing, etc. To exceed $40,000. W. D. Clark, city engr.

Calif., Bakersfield — Kern Co., plans widening river road from Democrat to Bodfish. $27,000 appropriated.

Calif., Glendale—Made plans improving San Fernando Rd. from south to north city limits, 1,468,972 sq.ft. grading, 1,259,520 sq.ft. 8 in. concrete paving, etc. $450,000. J. F. Johannsen, city engr.

Calif., Inglewood—Plans election $350,000 bonds, street improvements.

Calif., Marysville—Made plans grading, curbing, guttering, 1½ in. Warrenite bitulithic on 2½ in. asphaltic concrete paving 146,000 sq.ft. Yuba, Swezey, 10th Sts., etc., in Dist. 25. L. B. Crook, city engr.

Calif., Redwood City—San Mateo Co. making plans curbing, guttering and 2 in. Durite asphaltic concrete on 6 in. rock macadam surfacing Wallbridge St., San Bruno Ave., etc. $75,000 or more. G. A. Kneese, Courthouse, engr.

Calif., Sacramento—Sacramento Co. plans election $500,000 bonds, for primary road system. C. Deterding, Jr., Sacramento, co. surv.

Calif., San Bernardino — Making plans concrete paving approximately 0.3 mi. various streets. C. E. Johnson, city engr.

Calif., San Rafael — Marin Co. making plans improving Rd. Dist. 11, 7,904 cu.yd. grading, 78,844 sq.ft. subgrading, 8,620 lin. ft. concrete curbing and guttering, 1,200 tons asphaltic concrete paving, 76,884 sq.ft. Willite asphaltic concrete surfacing, and 6,097 ft. 4- to 6-in. vitr. pipe, etc. C. W. Oglesby, San Rafael, co. surv.

Calif., Santa Rosa—Sonoma Co. making plans improving approximately 20 mi. Rd. Dist. 3, 16,049 ft. asphaltic macadam and 78,690 ft. crushed rock macadam paving, bridges, etc. $250,000. J. P. Platt, Rosenberg Bldg., engr.

Ont., Meaford — City Council plans cement paving Nelson St. $40,000.

BIDS DESIRED

Massachusetts—July 7, Dept. Pub. Wks., Boston, bituminous macadam surfacing 1,485 ft. highway, 18 ft. in North Andover, and 5,207 ft. highway in Dracut; bituminous concrete surfacing 6,438 ft. highway in Nantucket; bituminous macadam paving and rein.-con. bridge on 2,351 ft. highway in Harvard; gravel surfacing and steel bridge on 3,400 ft. highway in Tolland and Sandisfield. W. F. Williams, comr.

N. Y., Long Island City—July 9, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., curbing, recurbing, reflagging and sheet asphalt on concrete surfacing Gamma Pl., Van Alst, and 6th Aves., Welling and Fremont Sts.; regrading, curbing and flagging Beach Channel Dr. from Beach 116th to Beach 95th Sts., Park Lane and 102nd Rd., King Pl., Bell Blvd., Marbel and Stratton Aves., St. James, 87th and Caspian Sts.; grading, sidewalks and second hand granite surfacing Marion St.; granite block surfacing Ely Ave.; constructing public beach along ocean front from Beach 58th to 109th Sts.

N. J., Carteret—July 6, by Boro. Council, sheet asphalt paving ¾ mi. Emerson, Lincoln and McKinley Aves. O. Mitchell, Raritan Bldg., Perth Amboy, engr.

N. J., Hopewell—July 6, by Twp. Com., bituminous penetration macadam paving 34,258 sq.yd. Pennington-Princeton Rd. D. M. Voorhees, clk.

N. J., Lambertville — July 14, by Freeholders Hunterdon Co. (Flemington), rock asphaltic paving 1.1 mi. road from Lambertville to Merced Co. line above Trenton, here. G. Davis, Whitehouse Station, engr.

Pa., Phila.—July 7, by Bureau Highways, Dept. Pub. Wks., (Schedule A) grading, 73,105 cu.yd. 8 streets; (Schedule B) asphalt paving 100,611 sq.yd. 19 streets; (Schedule C) country road improving 12,195 sq.yd. 5 streets; (Schedule C) redressed granite block repaving 4,104 sq.yd. 1 street; (Schedule E) furnishing granite block to pave 7,200 sq.yd. 16th St. B. H. Biles, dir.

Md., Baltimore—July 8, by Bd. Awards, sheet asphalt paving 10,340 sq.yd. streets in Contr. 294-OAOC, and 12,200 sq.yd. streets in Contr. 293-OANA. L. G. Turner, acting chn. Paving Comn., Lexington St.

W. Va., Wheeling—July 9, by Ohio Co., grading and vitr. brick surfacing, etc., 2,900 sq.yd. Memorial Blvd. $360,000. A. C. Hoffman, Wheeling, engr

North Carolina — July 21, by State Hy. Comn., Raleigh, clearing, grubbing, grading and concrete or asphalt paving 46.958 mi. roads in Hyde, Washington, Franklin, Granville, Randolph, Catarrus, and Rutherford Counties, $1,447,758; clearing, grubbing and grading, etc. 30.425 mi. roads in Yancey, McDowell and Robeson Counties, $325,000; clearing, grubbing, grading and top soiling, etc. 13.73 mi. road in Hoke Co., $62,000. C. M. Upham, highway engr.

Florida—July 21, by State Rd. Dept., Tallahassee, clearing, grubbing and grading about 8 mi. Project 586, Rd. 1, in Jackson and Washington Counties, lime rock base on prepared subgrade paving 4.62 mi. Project 613, Manatee Co.; steel deck girder underpass on concrete abutments, under Seaboard Air Line R. R., on Project 37-B, south of Gainesville, Alachua Co. J. L. Cresap, highway engr.

Fla., Hillcrest Heights—July 7, by Town Council, G. Chute, mayor, paving portion Britton St. $31,500. C. P. Selden, city clk.

Fla., West Palm Beach—July 8 by City Comn., grading sidewalks and paving certain streets. F. B. Henry, city engr.; adv. E. N.-R. July 2.

Miss., Yazoo City — July 14, by Bd. Supervs. Yazoo Co., c/o H. L. Clark, chancery clk., improving 3.317 mi. Federal Aid Projects 68-B and 64-A, Yazoo and Holmes Counties, 16.16 acres clearing and grubbing, 16,420 lb. reinforcing, 17,737 units gravel ½ mi. overhaul and 7,351 cu.yd. gravel 1 mi. overhaul, 3.209 mi. Bermuda sod, 41,386 ft. creosoted and 1,870 ft. untreated timber, 32,680 lb. structural steel, etc. H. C. Dietzer, Jackson, engr.

Louisiana—July 16, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 1.59 mi. Project 479, 21st Ave., Asia, and Boston Sts., State Project 479, in Covington, St. Tammany Parish; also 6.98 mi. Farmerville-Monroe Highway Project 451 A, and 14.68 mi. Farmerville-Bastrop Highway, Project 452-A, both Union Parish, W. B. Robert, highway engr.

La., New Orleans—Sept. 22, by City, concrete surfacing various streets. G. Ferrier, Jr., city engr.

La., New Orleans — Sept. 24, by City graveling various streets. G. Ferrier, Jr., city engr.

O., Akron—July 13, by Comrs. Summit Co., grading, and traffic bound slag paving, etc. 4.26 mi. Comet Rd., $45,500, grading, curbing, sidewalks and vitr. brick paving 4,500 sq.yd. Noah Ave. $41,000, 5,000 sq.yd. Noble Ave. $44,000, 7,550 sq.yd. Dayton St. $57,000, 5,800 sq.yd. Richfield-Hudson Rd. $111,000, 900 sq.yd. Clay Dr. $6,200 and 900 sq.yd. Getz St. $7,450, grading, laying sidewalks and cindering 800 cu.yd. Baird St. $12,000. E. A. Kemmler, Delaware Bldg., engr.

O., Cleveland—July 8, by Comrs. Cuyahoga Co., curbing, guttering, grading and sheet asphalt paving 30,340 sq.yd. Cedar Rd. 4. $233,500. F. Lander, Court House, engr.

O., Cleveland—July 8, paving Forest Court, S. E., Lucknow Ave. N. E., Mapleside Ave. S. E., and Methyl Ave. S. E., East 43rd, 129th, 143rd, 144th, 146th, West 80th, 99th, 105th, 136th, 155th and 158th Sts. $200,000. R. Hoffman, City Hall, engr.

O., Cincinnati—July 10, by Director Pub. Service, grading, granite block paving, etc., 7,000 sq.yd. Carr St., $95,556, and 2,685 ft. 8th St., $90,593. F. Krug, City Hall, engr.

O., Euclid—Taking bids grading, paving and stone or cement sidewalks on Cut Rd., Forestview and Arms Aves., East 216th and 265th Sts. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., New Philadelphia—July 10, by Comrs. Tuscarawas Co., improving 0.6 mi. main highway between Shanesville and Holmes Co. line. $27,000. E. Stingel, New Philadelphia, engr.

Ind., Bicknell — July 6, by City, M. Hollingsworth, City Clk., improving various streets, 14,500 sq.yd. brick, asphalt or concrete paving 3,000 sq.yd. concrete sidewalks, 1,200 lin.ft. combined curb and gutter, and about 8,500 ft., 12- to 30-in. sewer. R. E. Lind, city engr.

Ind., Bloomington—July 7, by H. Chestnut, engr. Bloomington, grading and graveling 3.4 mi. Duval Rd. $26,200, and 3.3 mi. Whisenand Rd., $25,500, for Monroe Co

Ind., Liberty—July 7, by S. Moore, engr., Liberty, grading and graveling 3.5 mi. Newkirk Rd., 30 ft., for Union Co. $27,063.

Michigan—July 17, by State Hy. Dept. at office Bd. Comrs. Barry Co., Hastings, concrete paving 1.263 mi. Trunk Line 79-3, Sect. A, in village of Nashville. G. C. Dillman, Lansing, highway engr.

Mich., Monroe—July 6, paving several blocks various streets. F. M. Kresshack, city clk.

Mich., Paw Paw—July 8, by Van Buren Co., gravel surfacing 1.597 mi. road.

Mich., Springwells — July 7, by B. P. Esper, city clk., curbing, guttering and concrete paving Michigan Ave. and Assessment Dists. 47, 74, 77, 79, 83, 84, 85. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Illinois — July 6 (extended date), by Dept. Pub. Wks. & Buildings, Div. Highways, concrete surfacing, etc., 1.032 mi. Route 31, Sect. 16-A, Fulton Co.; 1,442 ft. guard fence on Route 1, Sect. 16-G, Lawrence Co., and 18,922 ft. on Route 12, Sect. 9-G, Clay Co., Portland cement, vitr. brick or bituminous macadam surfacing 6.6 mi. Route 2, Sect. 53, DeWitt Co. F. T. Sheets, ch. highway engr. Noted June 18.

Ill., Astoria—July 6 (extended date), by City concrete surfacing, etc. 1.032 mi. Route 31, Sect. 16-A, Fulton Co. W. A. Fuller Co., Railway Exch. Bldg., St. Louis, Mo., engrs. Noted June 18, under Illinois

Wisconsin—July 8, at Office 6, 213 South Barstow St., Eau Claire, grading and surfacing 4.97 mi. Menomonie-Eau Claire Rd., Federal Aid Project 381-A, Dunn Co., and 1.23 mi Menomonie-Elk Mound-Eau Claire Rd., Federal Aid Project 381-B, Chippewa Co J. T. Donaghey, Madison, highway engr.

Wis., Racine—July 6, by H. A. Nelson, comr. Pub. Wks., curbing and one course concrete paving 41,265 sq.yd. various streets.

Minn., Cannon Falls—July 6, by R. J. Goodwin, city clk., curbing, grading and various types paving 11,654 sq.yd. Mill St. $30,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr.

Neb., Bellevue—July 6, by City, c/o J. B. Kast, clk., grading, 3 and 4 in. gravel surfacing, etc., 22,850 sq.yd. streets in Dist. 2. $25,000. H. E. McClintock, Bellevue, engr.

North Dakota — July 9, by State Hy. Comn. and Comrs., Morton Co., at Court House, Manden, clearing and grubbing, etc. 9.372 mi. road from Mandan south, Federal Aid Project 251, and graveling, etc. 15.551 mi. road on Red Trail between Glen Ullin and Hebron, Federal Aid Project 260-B.

North Dakota—July 11, by State Hy. Comn. and Comrs., McLean Co., at Court House, Washburn, graveling, etc. 3.99 mi. road west of Turtle Lake, Federal Aid Project 62-B; 5.98 mi. road from Underwood east, Federal Aid Project 62-A; 4.978 mi. road from Wilton northwest, Federal Aid Project 63-B, and 10.463 mi. road from Garrison west, Federal Aid Project 57 A-B.

North Dakota—July 14, by State Hy. Comn. and Comrs. Burleigh Co., at Court House, Bismarck, grading, etc., 2.236 mi. road south of Sterling, Federal Aid Project 282-A, and graveling, etc. 5.581 mi. road on Red Trail, east of Bismarck, Federal Aid Project 174-A.

Mo., Clayton—July 8, by R. Jablonsky, engr. St. Louis Co., grading, curbing, rein.-con. paving 2,100 ft. Wells St. and Barnes Ave., 22 ft. $30,000.

Mo., Palmyra—July 9, by H. M. Howard, city clk., grading, curbing and concrete paving 10.5 blocks various streets. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, engrs. Noted May 7.

Tex., Gonzales — July 14, by State Hy. Engineers, Austin, clearing, grubbing, grading and bridging 10.88 mi. State Highway 81, Federal Aid Project 440-E, $78,088; and 8.08 mi. State Highway 8, Federal Aid Project 440-D, $28,560, both in Gonzales Co. J. C. Irby, Gonzales, co. engr. Noted June 4.

Tex., Wichita Falls—July 6, by D. B. Sarten, judge Wichita Co., grading, surfacing and bridging 3.92 mi. Holliday-Park-Lake Rd., 16 ft. $85,000. J. M. Isbell, Wichita Falls, co. engr.

Colorado—July 9, by State Hy. Dept., Denver, graveling, etc. 0.1704 mi., Federal Aid Project 295-A, Conejos Co., $27,118, and 2.898 mi. Federal Aid 294-A, Montezuma Co., $26,335; grading and concrete paving 5.334 mi. Federal Aid 275-B, Douglas Co., $225,110; crushed rock sur-

Streets and Roads (Continued)

fa ing 2.007 mi. Federal Aid 261-F, Costillo Co., $28,000. L. D. Blauvelt, State Office Bldg., engr.

Calif., Berkeley—City Council taking bids grading, curbing, guttering, sidewalks, and 6 in. concrete paving 159,000 sq.ft. The Circle, Indian Rock Ave., etc. $150,000. A. J. Eddy, city engr.

BIDS RECEIVED

Maine—State Hy. Comn., State House, Augusta, concrete and bituminous macadam surfacing 3.77 mi. highway in York, from Bruno & Petitti, 18 Tremont St., Boston, Mass., $203,727; bituminous macadam surfacing 2.87 mi. highway in Windham and Raymond, from McCarthy & D'Alois, 42 Fairmont Ave., Newton, Mass., $57,900. Noted June 18.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 3,700 ft. highway, in West Stockbridge, and 10,748 ft. highway in Northfield, from Kelliher Bros., Turners Falls, $24,637 and $87,905 respectively; 1,700 ft. highway in Weston, from Middlesex Constr. Co., Framingham, $13,281; 525 ft. highway in Reading, from McDonough Co., Swampscott, $4,315. Noted June 18.

New York—R. K. Fuller, comr. Canals & Waterways, Albany, June 26, constructing pavements and completing approaches of bridge across Mohawk River, between Schenectady and Scotio, from J. W. Holler, Inc., Ft. Edward, $215,641. Engrs. est. $237,448. Noted June 4.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, June 24, from Cranford Co., 52 9th St., sheet asphalt resurfacing Canton Ave., etc., $26,227, sheet asphalt surfacing Park Pl., etc., $25,650; from Brooklyn Alcatraz Co., 407 Hamilton Ave., sheet asphalt surfacing East 17th St. $9,369, Kings Highway $245,629, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Nostrand Ave. $6,366, from M. J. O'Hara, 717 65th St., Avenue P, etc., $28,640, 10th Ave. $3,046, 70th St. $2,973, 83rd St. $7,817, from B. Turecamo Contg. Co., 8706 Bay 12th St., Avenue P, etc., $15,500, 12th Ave. $11,194, curbing and sheet asphalt surfacing 65th St. $64,982; from M. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 17th St., etc., $2,860; from F. C. Kohart, grading East 93rd St., etc., $1,782. Noted June 18.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 23, from Cleveland Trinidad Paving Co., Flushing, grading, curbing, sidewalks and asphalt surfacing 7th Ave. $35,838, and Flushing Ave. $77,525, from Uvalde Asphalt Paving Co., 1 Bway., New York City, 108th Ave. $17,768, 122nd St. $16,235, Hooker St. $14,876, sheet asphalt paving 88th Ave. $5,893; from C. H. Georgi, 15 Ely Ave., grading, curbing and sidewalks on Shaler St. $3,750; from W. J. Fitzgerald, 547 West 45th St., New York City, grading, curbing and paving within limits Queens Blvd., etc., $173,278, and regrading, curbing, etc., Queens Blvd. from 67th St. to Bway. $164,424. Noted June 18.

New Jersey—State Hy. Comn., Trenton, from Union Paving Co., 80th and Locust Sts., Phila., reconstructing Route 2, Sect. 8, Bridgeboro to Pensauken Creek, Burlington Co., 64,363 sq.yd. sheet asphalt $1.42 per sq.yd., total $83,028; from M. Staub, Pitman, constructing Route 4, Sect. 31 Tuckerton to New Gretna, Burlington and Ocean Counties, 19,810 cu.yd. excav. at $1.10 per cu.yd., 10.163 acres clearing and grubbing $100, 74,433 sq.yd. 8 in. rein.-con. paving $3.19, 69,412 sq.yd. graveling $0.40, total $303,510 Noted June 4.

Pennsylvania — State Hy. Dept., Harrisburg, June 23, (**R. means Route and A. means Application**) one course rein.-con. paving 48,640 ft. R. 142, Delaware-Montgomery Counties, from Public Service Production Co., 80 Park Pl., Newark, N. J. $440,575, 17,207 ft. R. 288, Sect. 2, A. 3056, Fayette Co., from Donora Constr. Co., Donora $168,591, 3,026 ft. R. 33 and 55, Huntington Co., from A. A. Bollinger, Huntington $42,351, 3,788 ft. R. 149 Lebanon Co., from Juniata Co., Empire Bldg., Phila. $33,925, 4,650 ft. R. 88, Warren Co., from Forness & Tower, Clean, N. Y. $51,952, 27,219 ft. R. 91, Sect. 5, A. 3367, Venango Co., from Rockford Constr. Co., Rockford, O. $210,652, 5,790 ft. R. 260, Blair Co., from B. L. McKillip, Holldaysburg, $51,975; bituminous surface course on concrete or one course rein.-con., paving 35,784 ft. R. 140, Sect. 4, A. 3367, Schuylkill Co., from Capitol Constr. Corp., 1207 Cherry St., Des Moines, Ia. $297,142, 6,395 ft. R. 167, A 2195, Monroe Co., from Warren Bros., 9 Cambridge St., Boston, Mass., $104,707; grading, etc. 2,694 ft. R. 93, Forest Co., from J. E. Trunk, Clarion $20,630, 43,212 ft. R. 192 and 193, Fulton Co., from W. W. Harper Constr. Co., Franklin, W. Va. $89,699. Noted June 11.

PAVING—BATON ROUGE, LA.

Bids were opened by City, May 5, for improving various streets. (A) R. G. Lassiter, Raleigh, N. C. (awarded contract); (B) Craven & Lang; (C) Dunn Construction Co. The unit bids are as follows:

	A	B	C
2 in. warrenite bitulithic, per sq.yd	$1 51	$1 53	$1 63
2 in. asphaltic concrete, per sq.yd	1 27	1 23	1 25
2½ in. sheet asphalt, per sq.yd	1 45	1 38	1 48
5 in. concrete base, per sq.yd	1 12	1 22	1 19
Excavation, per cu.yd	42	65	68
Straight curb and gutter, per lin.ft	65	74	88
Circular curb and gutter, per lin.ft	85	1 15	1 18
Straight header curb, per lin.ft	65	80	1 00
Circular header curb, per lin.ft	85	1 10	1 50
Catch basins, each	37 00	30 00	42 50
Type "A" manholes, each	37 00	45 00	60 00
10 in. v.c. pipe, per lin.ft	70	90	1 00
10 in. concrete pipe, per lin.ft	68	90	1 00
12 in. v.c. pipe, per lin.ft	85	1 10	1 25
12 in. concrete pipe, per lin.ft	80	1 10	1 15
15 in. v.c. pipe, per lin.ft	1 55	1 60	1 90
15 in. concrete pipe, per lin.ft	1 48	1 60	1 72
18 in. v.c pipe, per lin.ft	1 98	2 00	2 00
18 in. concrete pipe, per lin.ft	1 85	2 00	1 85
24 in. v.c. pipe, per lin.ft	2 83	3 00	3 00
24 in. concrete pipe, per lin.ft	2 60	3 00	2 80
10x10 in. tees, each	1 70	3 00	2 50
10x12 in. tees, each	1 77	3 00	3 20
10x15 in. tees, each	2 43	5 00	4 50
10x18 in. tees, each	3 00	5 50	4 50
12x15 in. tees, each	5 92	4 00	4 50
12x18 in. tees, each	5 00	5 00	7 00
12x24 in. tees, each	11 32	7 50	9 00
Reshaping gravel surface, per sq.yd	10	10	25
Stone headers, per lin.ft	1 00	1 00	94
Extended totals warrenite	$439,894	$475,791	$502,575
Extended totals asphaltic concrete	409,656	437,820	454,773
Extended totals sheet asphalt	432,379	456,756	483,808

Md., Baltimore—Bd. Awards, sheet asphalt paving 11,750 sq.yd. streets in Contr. 289-OANA, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $55,474.

Florida — State Rd. Dept., Tallahassee, from Penton & Mathis Constr. Co., Florala, Ala., clearing, grubbing, grading and sand clay surfacing, etc., 1.04 mi. Project 649 between Crestview and Dist. line 3 and 1 $4,218, 9.38 mi. Project 649 between Dist. line 3 and 1 $34,283, 9.053 mi. Project 652 $50,253, all foregoing in Okaloosa Co.

Ohio—Dept. Highways & Pub. Wks., Columbus, June 19, grading, bridging and paving with (**a**) concrete (**b**) Kentucky rock asphalt (**c**) rein.-con. (**d**) asphaltic macadam (**e**) tar macadam (**f**) waterbound macadam (**g**) brick, incl. brick (**h**) oil macadam (**1**) 0.91 mi. Sect. "Manchester" Ohio River Rd., Adams Co. (**2**) 2.117 mi. Sect. "J" Lima-Ottawa Rd., Allen Co. (**3**) 3.105 mi. Sect. "K" Lima-Ottawa Rd., Allen Co. (**4**) 5.198 mi. Sect. "C" Painesville-Ravenna Rd., Geauga Co. (**5**) 2 mi. Sect. "D, E and I" Barberton-Greenwich Rd., Medina Co., (**6**) 4 mi. Sect. "U-2" Celina-Van Wert Rd., Mercer Co. (**7**) 2.375 mi. Sect. "U-1" Akron-Youngstown Rd., Portage Co. (**8**) 2.148 mi. Sect. "U-12" Akron-Youngstown Rd., Portage Co., widening (**9**) 0.016 mi. Sect. "Manchester" Ohio River Rd., Adams Co., approaches on (**10**) 0.87 mi. Sect. "B-Bridge" Piqua-Urbana Rd., Miami Co., from C. E. Biehm, Georgetown, (**a1**) $32,767 (**a9**) $948; from D. C. Ingold, MacComb, (**b2**) $44,580 (**b3**) $69,-155; from Lewis & Copeland, Lima, (**a2**) $45,503 (**a3**) $74,004; from Markle Bros., Mansfield, (**e4**) $141,416 (**f4**) $131,531; from Reedy Bros., Warren, (**g5**) $37,310; from H. Heffner, Celina, (**c6**) $92,556; from Newell & Smith, Defiance, (**a7**) $71,-546 (**a8**) $58,338; from Fleming & Turner, Youngstown, (**d7**) $75,352 (**e7**) $75,352 (**e8**) $63,641 (**h8**) $63,641; from N. R. Porterfield, Youngstown, (**10**) $3,314.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving with (**a**) asphalt (**b**) brick and (**c**) concrete, (**1**) 320 ft. Pearl St. from 11th to Chittenden Aves. and 148 ft. Pearl St. from alley north Woodruff to Frambes Ave. (**2**) 409 ft. Jason Ave. (**3**) 2,081 ft. Nashoba Ave. (**4**) 664 ft. Carey Ave. (**5**) 160 ft. Cherry St. (**6**) 447 ft. Blenkner Sq. (**7**) 3,052 ft. Kelton Ave. (**8**) 317 ft. Swain St. (**9**) 6,000 ft. 6th St. (**10**) 360 ft. Myrtle Ave. (**11**) 330 ft. alley north 2nd Ave (**12**) 231 ft. alley west Nell Ave. (**13**) 678 ft. alley west Harrison Ave. (**14**) 509 ft. alley west Avondale Ave. (**15**) 411 ft. alley north Smith Pl. (**16**) 320 ft. alley north Patterson Ave. (**17**) 300 ft. alley west 17th St. (**18**) 336 ft. 2nd alley north Oak St. (**19**) 518 ft. alley north Hanford St. (**20**) 210 ft. alley west 6th St., from Federal Paving Co., 996 McAlister Ave. (**c1**) $2,825 (**c5**) $966 (**c17**) $1,864; from R. J. Dienst, 480 South 5th St. (**c2**) $5,007 (**b4**) $4,622 (**c6**) $3,935 (**c10**) $6,262; from Franklin Asphalt Paving Co., 209 South High St. (**a3**) $27,030, (**a7**) $50,480 (**a8**) $3,679 (**a9**) $8,798; from Yale Ave. Constr. Co., 146 Yale Ave. (**c11**) $1,485 (**c12**) $1,385 (**c13**) $3,936 (**c14**) $2,237 (**c15**) $2,497 (**c16**) $1,386 (**c18**) $1,893 (**c19**) $2,410 and (**c20**) $1,151. Noted June 4.

O., New Philadelphia—Improving North 5th St. from Leroy Springer & Co., brick $32,444, sheet asphalt $30,370.

Mich., Detroit—From Cleveland Trinidad Paving Co., 402 Hammond Bldg., 3½ in. sheet asphalt on 8 in. concrete paving 14th Ave. $14,050; from Detroit Asphalt Paving Co., 909 Free Press Bldg., Wyoming Ave. $99,862, Canfield Ave. $58,390, Alter Rd. from Kercheval to Charlevoix Aves. $33,-210, Mandale Ave. $16,619, Tyler Ave. $11,-442, Alter Rd. from Mack to Lozier Aves. $24,565, Clarion Ave. $8,474; from M. R. Hanna Co., 2700 Six Mile Rd., Kendall Ave. $24,227, Alameda Ave. $23,332, Alden Ave. $21,459.

Mich., Oxford — Oakland Co. (Pontiac), grading and concrete paving 21,000 sq.yd. road, from R. Miller, 502 West Jane St., Bay City, $69,000.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing 0.34 mi. Route 1, Sect. 7-X, Edwards Co., from R. A. Baum, Paris, $10,259, 0.2 mi. Route 18, Sect. 15-X, De Kalb Co., from Trometer & Sons, Peru, $4,434, 0.23 mi. Route 21, Sect. 6, Lake Co., from F. W. Barren, Waukegan, $7,163, 6.11 mi. Route 3, Sect. 1, Morgan Co., from J. W. Etchison, Casey, $116,681, 5.18 mi. Route 3, Sect. 2, Morgan Co., from Divine Constr. Co., Papineau, $99,619, 15.06 mi. Route 36, Sects. 2, 3 and 4, Hancock Co., and grading 0.076 mi. Route 9, Sect. 30-A, Hancock Co., 16,530 cu.yd. excav., etc., from Cameron, Joyce & Co., Keokuk, Ia., $299,500 and $16,-131 respectively; grading 3.39 mi. Route 1, Sect. 43-A, Saline Co., 55,240 cu.yd. excav., from McMann & Hoffman, Murphysboro, $18,941, 0.49 mi. Route 13, Sect. 12-D, Jackson Co., 26,230 cu.yd. excav., from Hamilton Hoffman Constr. Co., Carbondale, $12,663, 8.61 mi. Route 31, Sect. 18-A, Fulton Co., 192,435 cu.yd. excav., from E. P. Olson, St. Joseph, Mo., $92,883. Noted June 18.

Ill., Peoria—Bd. Local Impvts., June 15, grading, curbing and asphalt surfacing 7 blocks East Virginia Ave., 30 ft., from J. W. Bushell, 1321 South Washington St., $50,894. Engrs. est. $51,117. Noted Apr. 9.

Wis., Milwaukee—Dept. Pub. Wks., June 19, concrete curbing and guttering Estes St. from Beulah Ave. to Superior St., and Iron St. from Ellen St. to Beulah Ave., from Czerwinski Constr. Co., 775 National Ave. $501 and $1,416 respectively, Oklahoma Ave. from Howell to Kinnickinnic Aves., from R. H. Gumz, 831 13th Ave., $12,966; granite block paving Muskego Ave. from North Menomonee to Canal Sts., from W. F. Hunt, 405 Bway., $11,452; concrete paving 1 alley each, from Bodemann Constr. Co. 691 48th St. $5,056, Schwerm Bros., 50 Lee St. $1,487, from C. Slattery, 584 71st Ave. $1,634, from Ryback & Sadowski, 1092 2nd Ave. $3,451, from A. E. Retzlaff, 868 Island Ave., $1,774; 2 alleys, from J. Bluhm & Son, 1298 Achilles Pl., $4,357; 4 alleys, from F. Hilderbrand, 1042 23rd Ave., $10,810; asphalt resurfacing Chicago, Detroit, Huron, Buffalo and Erie Sts., from White Constr. Co., 68 Wisconsin St., $33,112, (Former bids rejected on latter project). Noted June 11.

Streets and Roads (Continued)

Minnesota—State Hy. Dept., 1246 University Ave., St. Paul, June 16, **(S. P. means State Project and F. A. P. means Federal Aid Project)** from Nolan Bros., 18 North 2nd St., Minneapolis, improving 5.3 mi. S. P. 1-44, Sect. 1, Div. B, F. A. P. 1, 45,000 cu.yd. earth excav. at $0.30 per cu.yd., 56,000 sq.yd. concrete paving $2.15; from Ostrand & Hallet, Crosby, improving 5.5 mi. S. P. 1-44, Sect. 4, F. A. P. 1, 50,000 cu.yd. excav., $0.30 per cu.yd., 57,900 sq.yd. concrete paving $2.09; from W. Devine, c/o owner, improving 2.1 mi. S. P. 3-38, Sect. 1, F. A. P. 371-A, 26,500 sq.yd. concrete paving at $2.25 per sq.yd., etc. Noted June 4.

Minn., Minneapolis—E. P. Erickson, aud. Hennepin Co., June 10, **(a)** one course concrete **(b)** vibrolithic **(c)** bitulithic **(d)** asphaltic concrete **(*)** oil asphalt **(†)** lake asphalt **(e)** Warrenite bitulithic concrete paving 75,000 sq.yd. Mendota Bridge approaches **(1)** approximately 1.5 mi. Minneapolis side of Minnesota River through Fort Snelling **(2)** approximately 3.25 mi. far side of river southeast to Jefferson Highway, from Woodrich Constr. Co., 1141 Metropolitan Life Bldg., **(a1)** $58,070 **(b1)** $64,070 **(c1)** $79,417 **(a2)** $123,981 **(b2)** $136,481 **(c2)** $169,633; from General Contg. Co., 1222 Plymouth Bldg., **(d†1)** $89,831 **(d†1)** $94,591 **(d62)** $188,693 **(d†2)** $197,953 **(e1)** $102,445 **(e2)** $214,222. Noted May 28.

Tex., Houston — Harris Co., warrenite bitulithic paving Emanuel St., from McKenney to McGowan Ave., from Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $73,675. Engrs. est. $75,000.

Tex., Linden — Cass Co., clearing, grubbing, grading and bridging 7.44 mi. State Highway 48, Federal Aid Project 457-B, from Tibbetts Constr. Co., Joseph Bldg., Fort Worth, $66,966. Engrs. est. $77,435. Noted May 9.

Tex., Richmond—Fort Bend Co., surfacing with rein.-con. on sand cushion with shell shoulders 15.14 mi. State Highway 3, Federal Aid Project 326-Unit 2, from Tibbetts Constr. Co., Joseph Bldg., Ft. Worth, $433,724. Engrs. est. $448,300. Noted July 2.

Calif., Corning—City, June 10, 6 in. concrete paving Solano St., from T. H. and M. C. Polk, Chico, $38,711. Noted May 28.

Calif., Delano — Curbing, 1½ in. Warrenite bitulithic on 4 in. asphaltic concrete paving 251,164 sq.ft. 8th, 9th, 10th and 11th Sts., from Federal Paving Co., Standard Oil Bldg., San Francisco, $73,667.

Calif., Los Angeles—From G. R. Curtis, 2440 East 26th St., improving 2,000 ft. Ardmore Ave., 5,195 lin.ft. curbing at $0.60 per lin.ft., 420 lin.ft. sidewalks $0.20, 1,705 sq.ft. sheet asphalt paving $0.08, 92,687 sq. ft. asphaltic macadam $0.23, etc., total $27,469; 2,000 ft. Main St., from E. Johnson & Sons, 4183 South Normandie Ave., 590 lin.ft. light curbing $0.45, 8,759 lin.ft. curbing $0.45, 39,697 sq.ft. sidewalks $0.15, 47,122 sq.yd. 7 in. concrete paving $0.215, 114,071 sq.ft. 6 in. at $0.1875, 1,288 sq.ft. 5 in. at $0.15, etc., total $61,450; from Griffith Co., Los Angeles Ry. Bldg., Santa Monica Blvd., 1,006 lin.ft. curbing $0.60, 10,971 sq.ft. sidewalks $0.18, 1,356 sq.ft. 2 in. sheet asphalt $0.12, 6,665 sq.ft. Warrenite asphaltic concrete paving $0.24 per sq.ft., 5,391 sq.ft. 5 in. at $0.28, 1,342 sq.ft. 6 in. at $0.31, etc., total $8,309. Noted June 21.

Calif., Oakland — Alamed Co., grading and macadam paving 414,300 sq.ft. Skyline Blvd. from Co. Rd. 2935 to Co. Rd. 2509, from Heafey, Moore & McNair, 344 High St., $41,430.

Calif., Pasadena—Grading, curbing, guttering, oil macadam paving, Walnut St., between Allen and Santa Anita Aves., from A. O. Nelson, 2495 Blanche St., Pasadena, $56,142.

Calif., San Anselmo—From Pacific States Constr. Co., Call Bldg., San Francisco, improving San Francisco Blvd., 4,500 cu.yd. excav. at $1 per cu.yd., 75,400 sq.ft. grading $0.035, 9,400 ft. concrete shoulders $0.38, 75,400 sq.ft. asphaltic concrete paving $0.235, total $35,354. Noted Apr. 2.

Calif., San Leandro — From Hutchinson Co., Hutchinson Bldg., Oakland, improving portions of East 14th St., 77,450 sq.ft. grading at $0.06 per cu.yd., 77,100 sq.ft. 2 in. Warrenite bitulithic on 6 in. concrete and 3 in. macadam foundation, at $0.29, etc., total $29,433. Noted June 11.

Wash., Seattle—Bd. Pub. Wks., grading, concrete sidewalks, etc. on 19,450 lin.ft. Rainier Ave., et al, from D. H. Traphagen, Walker Bldg., $30,529. Engrs. est. $34,098.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 768 ft. highway in Norwell, to O. R. Mann, South Hanover $2,730, 6,948 ft. highway in Hinsdale, to J. McCormick, 319 Taunton Ave., Providence, R. I. $67,839, 22,935 ft. in Chatham, Harwich, Brewster and Orleans, to M. F. Roach, 35 Spring St., East Bridgewater, $84,452; bridge and approaches on 1,250 ft. highway in West Springfield, to Hoyt Constr. Co., 85 Dartmouth St., Holyoke, $76,144. Grand total $231,165. Noted June 25.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Bay Ridge Ave. $5,767, Bedford Ave. $27,384, Colonial Rd. $15,896, East 26th St. $10,766, New York Ave. $7,887, Ave. O $6,154, Rugby Rd. $16,389, 76th St. $12,056, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Bedford Ave. $20,951, Liberty Ave. $9,494; to T. V. Scott, 671 Halsey St., grading, curbing, flagging, etc., 65th St. $11,285, and Elmore Pl. $1,043; to W. J. McHale Contg. Co., 1250 Jefferson St., bituminous macadam resurfacing East 26th St. $10,373. Grand total $155,445. Noted June 18.

N. Y., Brooklyn—J. A. Guider, boro. pres., Boro. Hall, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, restoring and repaving when and where directed $25,000, asphalt repaving Atlantic and Williams Aves. $14,490, Harrison Ave. $63,810, to Cranford Co., 52-9th St., asphalt repaving Alabama Ave. $12,353, Greene Ave. $24,787, Lewis Ave. $45,757. Noted June 25.

N. J., Paulsboro—Gloucester Co. (Woodbury), June 18, sheet asphalt paving 1½ mi. Paulsboro Rd. to Hog Island Ferry, here, to E. R. Mixner, Goshen, $51,747.

N. J., Trenton—Freeholders Mercer Co., June 23, concrete resurfacing 9,400 sq.yd. Ewingville Rd., incl. 1,850 lin.ft. 12- to 24-in. pipe drain, to Union Paving Co., 30th and Locust Sts., Phila., Pa., $30,258.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, to Edwards Dunn Co., Inc., Greensburg, improving R. 118, Sect. 3, Westmoreland Co., 16,000 sq.yd. rein.-con. $3.25 per sq.yd., 15,800 cu.yd. unclassified excav. $1, total $86,373; to F. S. Wilson, Kittanning, Routes 69 and 71, Armstrong Co., 5,608 sq.yd. rein.-con. $3.80, 2,070 sq. yd. rein.-con. $3.50, 4,300 cu.yd. unclassified excav. $1.30, total $51,088; to M Barber, Binghamton, N. Y., R. 52, A. 3158, Somerset Co., 10,713 sq.yd. rein.-con. $3.19, 3,201 cu.yd. unclassified excav. $1.45, total $48,259; to R. V. Baldwin, Coraopolis, R. 357, A. 3125, Jefferson Co., 28,858 sq.yd. rein.-con. $3.22, 12,744 cu.yd. unclassified excav. $1, total $124,345; to Frey Constr. Co., York, R. 139, Lebanon Co., 17,140 sq. yd. rein.-con. $3.18 and $2.96, 6,093 cu.yd. unclassified excav. $1.57, total $83,445. Grand total $393,510. Noted May 28 and June 18.

Pennsylvania—State Hy. Dept., Harrisburg **(R. means Route and A. means Application)**, to Tillman Constr. Co., Chicago, Ill., improving R. 257, A. 3174, Alleghany Co., 36,889 sq.yd. rein.-con. $323 per sq.yd., 37,000 cu.yd. unclassified excav. $1.05, total $170,978; to Milligan & Ringler, Blairsville, R. 91, Sect. 1, Forest Co., 26,298 sq.yd. rein.-con. $3.15, 25,800 cu.yd. unclassified excav $125, total $151,445; to F. F. Hallam & Son, Fairmont, W. Va., R. 187, Sect. 28, Alleghany Co., 49,450 sq.yd. rein.-con., $3, 31,218 cu.yd. unclassified excav. $1.40, 9,244 cu.yd. borrow $1.40, total $254,362; to Indiana Constr. Co., Indiana, A. 3122, Jefferson Co 43,632 sq.yd. rein.-con. $3.20, 27,903 cu.yd. unclassified excav. $1, total $225,544. Grand total $802, 329. Noted June 18.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, to DuBoise Constr. Co., DuBoise, improving R. 149, Berks Co., 6,660 sq.yd. rein.-con., $3.50 per sq.yd., 1,247 cu.yd. unclassified excav. $1.80, 1,053 cu.yd. borrow $1.40, total $32,354, R. 243, Sect. 3, Beaver Co., 13,785 sq.yd. rein.-con. $3.20, 19,458 cu.yd. unclassified excav. $1.50, total $94,992. Noted June 18.

Pa., Phila. — Bureau Highways & Dept. Pub. Wks., to Garlick-Bros., 2948 East Verango St., grading Ash, Bath and Buckius Sts. $5,706, to T. P. Lee, 5629 Cherry St., Dicks St. $5,853, to R. B. Wenner, 2313 Walnut St., Ithan and 57th Sts. $24,318, Stenton St. $560, to Stange Constr. Co., Broad and Locust Sts. Pattison St., $414,278; to Eastern Asphalt Co., 1504 Pennsylvania Bldg., asphalt paving Albanus St. $11,308, Emlen St. $7,652, Glenlock St. $3,196, Hunting Park $45,306, Sedgley St. $9,833, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Naomi St. $4,798, to Barber Asphalt Co., 239 North 30th St., Haines St. $66,799, Hunting Park $23,726, Lebanon St. $25,706, Locust and Pine Sts. $13,960, Janney, Sepviva, Tulip and Weikel Sts. $16,853 to Union Paving Co., 30th and Locust Sts., Boyer, Blakemore and Hortter Sts. $39,295; to B. Foster Co., Inc., 20th and Venango Sts., country road improving, Brewster, Brunswick, Crothers, Laycock and 53rd Sts. $29,823, to J. Devlin, Jr., Hancock and Thompson Sts., Ellet St. $3,989, to A. S. Altemus, 1808 Chestnut St., Hampton St. $2,794; to Municipal Paving Co., 702 Catherine St., redressed granite block repaving Columbia St. $14,947, to Acchione & Canuso Paving Co., 804 South 12th St., Reed St. $28,651, to Mazzola & Marino, 738 South 7th St., 16th St. $40,032. Grand total $839,383. Noted June 18.

W. Va., Ronceverte—Brick, concrete and bituminous macadam surfacing Railroad and Pocahontas Aves., to Major Bros. & Co., Clifton Forge, Va., $38,785.

Md., Baltimore — Grading, curbing and sheet asphalt paving 15,400 sq.yd. streets listed in Contr. 288-O.C., to Amer. Paving Co., Montebello Ave., Baltimore, $74,852.

North Carolina—State Hy. Comn., Raleigh, clearing, grubbing, grading and topsoiling, etc., 18.2 mi. Project 405, Chatham Co., to McDowell Constr. Co., Marion, $137,431; grading, asphalt on concrete paving, etc., 5.82 mi. Project 475, Vance Co., to Coastal Constr. Co., Florence, S. C., $182,498; grading and plain concrete paving, etc., 5.47 mi. Project 831, Henderson Co., to Overstreet & Nance Constr. Corp., Bedford, Va., $154,726, 2.17 mi. Project 786, Wilkes Co., to Foster Constr. Co., Wilkesboro $76,053, 2.86 mi. Project 906-C, Buncombe Co., to R. C. Stevens, Asheville, $104,367; clearing, grading, etc., 4.22 mi. Project 805, Avery Co., to Albert Bros., Shawsville, Va., $34,927, 5.24 mi. Project 818, Burke Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $32,213. Grand total $722,215. Noted May 28.

Ga., Dalton—Warrenite on concrete surfacing 1.25 mi. various streets, to Atlantic Bitulithic Co., Munsey Bldg., Wash., D. C., $73,424.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing 13.88 mi. State Project 20, Lamar Co., to Nixon & Phillips, Lineville, $150,049. Noted May 21.

La., Harrisonburg—Catahoula Co., improving 35 mi. Ward 7, Road Dist. 3, 180,000 cu.yd. excav., 30 acres clearing and grubbing, sewers, etc., to Kirby & Dayton, Jonesville, La., $35,536.

Tenn., Memphis—Widening and surfacing Jefferson Ave. from Main St. to Lauderdale Ave., to Hogan Constr. Co., Southern Trust Bldg., Little Rock, Ark. Engrs. est. $25,000. Noted June 11.

Ky., Louisville—City, to Andrews Paving Co., Hamilton, O., concrete surfacing Columbia St. from 16th to 17th Sts. $1,973, asphalt resurfacing, etc., Maple St. from 15th to 18th Sts. $21,030, Maple St. from 18th to 21st Sts. $8,343, to H. Bickel Co., Inc., 443 Garden St., Market St. from 8th to 10th Sts. $19,968, Walnut St. from 28th to 30th Sts. $7,177, Marshall St. from Shelby to Campbell Sts. $3,874, 18th St. from Portland Ave. to High St. $2,195, Cedar St. from 6th to 7th Sts. $2,056, 17th St. from Portland Ave. to High St. $3,759, Griffith Ave. from 21st to 22nd Sts. $3,493, and Griffith Ave. from 23rd to 24th Sts. $3,139, to Louisville Asphalt Co., Floyd and Lee Sts., Roselane St. from Clay to Shelby Sts. $5,907, and Rubel Ave. from Barrel Ave. to Payne St. $7,247, 11th St. from Market to Main Sts. $5,127, and Ormsby Ave. from Preston to Shelby Sts. $18,342; to J. V. Schickli & Bros., Louisville, 6 in. concrete base on Campbell St. from River Rd. to Elm St., $3,426, (City will surface same). Grand total $117,056. Noted June 11.

O., Akron—W. F. Peters, dir. Pub. Serv., **(e. e. means engrs. est.)** to T. E. McShaffrey Constr. Co., 173 South Forge St., resurfacing old brick pavement Cuyahoga Falls Ave., 13,600 sq.yd. sheet asphalt, 3,030 sq.yd. guttering, 900 lin.ft. stone curbing, 600 sq.ft. 4 in. concrete sidewalks, 550 cu.yd. earth excav., $60,630 e. e. $81,200, improving Mallison Ave., 3,679 sq.yd. vitr. brick, 2,550 lin.ft. stone curbing, 13,300 sq.yd. 4 in. concrete sidewalks, 3,000 cu.yd. excav., $26,045 e. e. $33,400, Bloomfield Ave., 3,600 sq.yd. vitr. brick, 2,500 lin.ft. stone curbing, and 1,400 cu.yd. earth excav., $18,874 e. e. $25,000; to McAlonan Bros., 506 Woodland Ave., improving Mapledale Ave., 1,340 sq.yd. vitr. brick, 910 lin.ft. stone curbing, 55,500 sq.ft. 4 in. concrete sidewalks, 1,159 cu.yd. earth excav., $10,874. e. e. $12,400, Marion Pl., 1,320 sq.yd. vitr. brick, 1,449 lin.ft. stone curbing, 5,920 sq.ft. 4 in. concrete sidewalks, 600 cu.yd. earth excav., $10,288 e. e. $10,900; to McCourt Constr. Co., 369 South Main St., Dayton St., 6,000 sq.yd. vitr. brick, 3,930 lin.ft. stone curbing, 6,500 sq.ft. 4 in. concrete sidewalks, 2,400 cu.yd. earth excav. $31,532 e. e. $41,500; to H. Gilbert, 19 North Martha Ave., Moffatt Pl. et al, 1,215 sq.yd. vitr. brick, 20 cu.yd. concrete curbing, 370 cu.yd. earth excav., $4,833 e. e. $6,700. Grand total $163,076. Noted June 4.

O., Canton—Bd. Control, asphalt on concrete paving 13th St. N. W., to R. E. Cash Asphalt & Paving Co., Genl. Del., $64,834; asphalt paving Smith Ave. N. W., to Gen-

Streets and Roads (Continued)

eral Asphalt Paving Co., 1268 Dueber Ave. S. W., $41,537. Noted Mar. 12.

O., Cincinnati — Director Pub. Serv., granite block paving, etc., 1,650 ft. Hamilton Ave., to A. J. Brehm, 876 Hutchins Ave., $64,855. Engrs. est. $69,645. Noted June 25.

O., Rocky River—City, asphaltic concrete paving 6 streets, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $180,000.

Ind., Indianapolis—Marion Co., concrete paving Sects. 1 and 2 Lyndhurst Dr., to A. D. Bowen, 2242 Bway., $54,610 and $46,221 respectively, engrs. est. $54,077 and $54,295 respectively; 7,860 ft. 52nd St., to McNamara Constr. Co., 946 West New York St., $32,930, engrs. est. $32,909. Grand total $133,761.

Michigan — State Hy. Comn. at office Comrs. Ingham Co., Mason, grading, curbing, guttering and concrete paving 17,338 sq.yd., Federal Aid 146, Sect. 4, to State Constr. Div., Lansing, $36,088.

Michigan — State Hy. Comn., Lansing, grading, etc., 1.801 mi. S. T. L. 16-28 B, Ionia Co., to G. P. Scharl, Muskegon, $50,876.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing, etc. Route 3, Sect. 43, Schuyler Co., to F. G. Feutz Co., Rochester, Ind., $178,707; Route 6, Sect. 7-AA, and Route 23, Sect. 27, DeKalb Co., to Carnine & Sweeney, Sullivan, $35,900; Route 33, Sect. 3, Jasper Co., to E. Berns & Co., 21st and Ill. No. 208, Indianapolis, Ind., $109,165; Route 46, Sect. 46-4W, Cook Co., to Chicago Heights Coal Co., Chicago Heights, $20,339; Route 33, Sect. 6, Jasper and Effingham Counties, to C. J. Moritz, Effingham, $140,076. Grand total $484,187. Noted May 28.

Ill., Marion—Bd. Local Impvts., grading and paving 7 various streets, to W. Lough & Son, Marion, approximately $100,000. Engrs. est. $125,000. Noted Oct. 2.

Ill Rock Island—Improving 11 blocks 7th Ave. and 39th St., to D. J. Ryan Constr. Co., Kahl Bldg., Davenport, $27,620.

Ill., Wyoming—Stark Co., grading, curbing and paving South 7th, East and West Williams Sts., to H. A. Reschke & Co., Genesco, $51,662. Engrs. est. $67,000. Noted June 11.

Wis., Wauwatosa—Bd. Pub. Wks., improving Ludington, East and West Milwaukee Aves., 5,500 cu.yd. grading, to Bartel Mourer Co., 958 8th Ave., Milwaukee, at $0.62 per cu.yd.; 21,750 sq.yd. rein.-con. paving, to Jacobus & Winding Constr. Co., 1 State St., $2.18 per sq.yd. Noted June 25.

Ia., Council Bluffs—City, to J. J. Wickham, Council Bluffs, concrete and asphalt surfacing 41,500 sq.yd. various streets at $1.38 to $2.08 per sq.yd., and 29,305 ft. curbing at $0.63 to $0.67 per ft.; to M. L. Flinn, Sioux City, 4,190 sq.yd. paving various streets $1.93, and 3,340 ft. curbing $0.65. Noted June 4.

Ia., Elkader—To Union Constr. Co., 200 New York St., Des Moines, curbing, guttering and paving High St., Project C-35, Primary Projects 10 and 13, 4,750 sq.yd. 8 in. concrete at $2.28 per sq.yd., 900 sq.yd. 7 in. concrete, $2.18, and 1,350 sq.yd. 6 in. concrete $1.93, total $26,640.

Minn., Ely—A. O. Knutson, city clk., vibrolithic concrete paving etc., approximately 10,500 sq.yd. various streets, to C. A. Johnson & Carlson, Virginia, $2.98 per sq.yd., total $31,290.

Kan., Dodge City—Grading, curbing and concrete surfacing 8 blocks Avenue B and East Chestnut St., 40 ft., to Geiger & Rutherford, 626 Cherokee St., Leavenworth, $41,634. Noted June 11.

Kan., Leavenworth — Grading, curbing, removing old brick paving and constructing new paving 34,650 sq.yd. 5th St., etc., to J. P. Collins Constr. Co., 403 North 5th St.

Neb., Beatrice—Gage Co., 4 in. gravel surfacing 17 mi. Cornhusker Highway, to Allied Contractors, Inc., 1803 Douglas Bldg., Omaha, $54,210. Engrs. est. $60,000.

Missouri—State Hy. Dept., Jefferson City, to List Weatherly Constr. Co., 416 Ry. Exch. Bldg., Kansas City, grading, and 18 ft. concrete paving 8.589 mi. road from St. Joseph north, Andrew Co., $118,147, 1.932 mi. same road, Buchanan Co., $37,722; to M. E. Gillioz, Monett, 30 ft. grading, 7.415 mi. St. Louis-Springfield Rd., Phelps Co., $58,668; to L. A. Woods Constr. Co., Smithville, 18 ft. gravel surfacing 9.314 mi. road from Mexico east, Audrain Co., $61,447; to Summerfield-Jones Co., Billings, 20 ft. gravel surfacing 6.734 mi. road from West Plains, north and south, Howell Co., $17,677; to Service Constr. Co., Poplar Bluff, 30 ft. grading 9.888 mi. Garwood-Leeper Rd., Reynolds Co., $53,943, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, 0.746 mi. Lesterville-Glover Rd., Reynolds Co., $7,408, to Fogleman & Davidson, Eugene, 1.203 mi. Jefferson City-Tuscumbia Rd., Miller Co., $33,153, to Gambil Bros., Bloomsdale, 4.88 mi. Jefferson City-Tuscumbia Rd., Miller Co., $35,225, to Gaines Bros., Fairland, Okla., 8.014 mi. road from Columbia north, Boone Co., $55,289, to F. F. O'Dell, New London, 0.246 mi. road from Memphis, north and south, Scotland Co., $3,828; to Robertson-Carmean Co., Caruthersville, grading and 18 ft. concrete paving 1.629 mi. Sikeston-St. Louis Rd., Cape Girardeau Co., $20,847, 3.172 mi. Hannibal-St. Louis Rd. $49,691, 6.3 mi. road from Hannibal, north and south, $124,860, all foregoing in Marion Co., 1.657 mi. road from Sikeston north, Scott Co., $34,806, to Midwest Eng. Co., Mt. Vernon, Ill., 1.411 mi. road from Spickard north, Grundy Co., $16,264; grading and 9 ft. concrete paving 10.576 mi. roads from Princeton, north and south, Mercer Co., $116,902; to B. D. McColly & Bros., Renssalear, Ind., 16 ft. gravel surfacing 2.306 mi. roads from La Grange, north and south, Lewis Co., $27,816, to Kelly & Underwood, Granby, 3.451 mi. road from Edina, north and south, Knox Co., $32,281, to J. A. Carlson, Macon, 9.187 mi. road from Edina, north and south, Knox Co., $82,658, to F. C. Teach, Morroco, Ind., 8.152 mi. road from Memphis, north and south, Scotland Co., $82,539; to C. Jobe, Clarksburg, 20 ft. gravel surfacing 9.93 mi. Kansas City-St. Louis Rd., Moniteau Co., $63,943, to Schull & Milton, California, 3.706 mi. Kansas City-St. Louis Rd., Moniteau Co., $27,554. Grand total $1,162,301. Noted June 11.

Missouri — State Hy. Dept., Jefferson City, grading and 9 ft. concrete paving, etc., 7.312 mi. Richmond-Missouri River Rd., Ray Co., to Richmond Constr. Co., Richmond, $45,368; grading and 18 ft. concrete paving 9.28 mi. Portagesville-Arkansas State Rd., Pemiscot Co., to J. R. Feigle Co., Evansville, Ind., $207,437, 10.815 mi. New Florence-Warren Co. Rd., Montgomery Co., to Pope Constr. Co., Jefferson City, $139,449; grading, 9 and 18 ft. concrete paving, etc., 9.895 mi. King City-Clarksdale Rd., De Kalb Co., to Metropolitan Paving Co, 115 North 5th St., St. Joseph, $105,541; grading and 18 ft. concrete paving, etc., 17.723 mi. Portagesville-Arkansas State Rd., Pemiscot Co., to R. L. Williams, Charleston, $331,876; 18 ft. chat surfacing 3.758 mi. road from Nevada, east, Vernon Co., to Graham Bros., Leeds, $36,429. Grand total $866,100. Noted June 18.

Mo., Cape Girardeau — Concrete paving, etc. 9 blocks various streets, to W. P. George & Co., Pine Bluff, Ark., $29,785; and Mill St. between Main and Fountain Sts., to F. W. Keller, Cape Girardeau, $11,521.

Tex., Anderson—Grimes Co., grading and bridging 6.71 mi. State Highway 6, Federal Aid Project 471-B, to Womack Constr. Co., Sherman, $57,068. Engrs. est. $65,000. Noted June 11.

Tex., Beaumont — Permanent paving about 25 blocks Pearl St. and sections of Mariposa, Forrest, Hazel and Irving Sts., to Uvalde Rock Asphalt Co., City Natl. Bank Bldg., San Antonio, approximately $3.09.

Tex., Dickens — Dickens Co., grading, bridging, gravel and sand clay surfacing 12.44 mi. State Highway 18, Federal Aid Project 446-A, to J. F. Hamer, Stop 6, Interurban, Fort Worth, $82,815. Engrs. est. $92,600. Noted Apr. 16.

Tex., El Paso — El Paso Co., grading, widening and bituminous topping 15.63 mi. State Highway 1, Federal Aid Project 439-E, to El Paso Bitulithic Co., El Paso, $283,896. Engrs. est. $403,740. Noted June 11.

Tex., Gatesville—L. M. Stinnett, judge Coryell Co., will clear, grub, grade, bridge and gravel surface 3.18 mi. State Highway 93, State Aid Project 596, 16 ft., 33,875 lb. reinforcing, 8,382 cu.yd. gravel surfacing, etc., by day labor, $33,783. Engrs. est. $37,450. Noted June 4.

Tex., Huntsville — Walker Co., grading, bridging, etc. 15.57 mi. State Highway 19, Federal Aid Project 460-B, 26 ft., to Reynolds & Sutton, Tyler, $56,233. Engrs. est. $72,000. Noted June 18.

Tex., Linden—Cass Co., clearing, grubbing, grading, bridging, etc., 6.82 mi. State Highway 48, Federal Aid Project 457-C, to Tibbetts Constr. Co., Joseph Bldg., Fort Worth, $58,604. Engrs. est. $69,275. Noted June 11.

Tex., Palestine—Anderson Co., grading, surfacing and bridging 10.15 mi. Brushby-Creek-Frankston Rd., in Rd. Dist. 8, to J. S. Moore & Son, Lufkin, $64,693. Engrs. est. $70,000. Noted June 4.

Tex., Weslaco—Grading, 1 in. asphalt on 8 in. double rolled gravel surfacing various streets, to W. L. Pearson & Co., 1st Natl. Bank Bldg., Houston, $100,000.

Oklahoma — State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project and e. e. means engineers estimate)**, grading, concrete surfacing ,etc., 0.69 mi. Weleetka Rd., 30 ft., S. A. P. 149-D, Okfuskee Co., 320 cu. yd. earth and 20 cu.yd. rock excav., 8.8 tons reinforcing, etc., to Wilson & Bush, Weleetka, $22,911 e. e. $25,000, 6.14 mi. F. A. P. 179-B, 18 ft., 20,069 cu.yd. earth and 20 cu.yd. rock excav., 192 ft. concrete pipe, etc., to B. J. and L. Paving Co., Enid, $147,533 e. e. $153,069, 3.12 mi. Garber Rd., 18 ft., F. A. P. 181, Garfield Co., to Lawrence & McSpadden, Vinita, $74,069 e. e. $78,047, 8.61 mi. Red River-Thackerville Rd., 18 ft., F. A. P. 141-A and B, Love Co., 29,172 cu.yd. earth and 40 cu.yd. rock excav., etc., to Flynn Constr. Co., Newkirk, $127,089 e. e. $258,217; grading, gravel surfacing, etc. 4.02 mi. Wagoner Rd., 30 ft., S. A. P. 74-C, Wagoner Co., 12,566 cu.yd. earth and 200 cu.yd. rock excav., 7.386 cu.yd. gravel, 10.38 tons reinforcing, etc., to Ellis & Lewis, Muskogee, $26,355 e. e. $32,376; grading and bridging 9.37 mi. Duncan Rd., 30 ft., F. A. P. 146-A and B, Stephens Co., 31,543 cu.yd. earth and 410 cu.yd. rock excav., 32.2 tons reinforcing, etc. and 6.02 mi. Weleetka-Hughes Co. line Rd., 30 ft., F. A. P. 188, Okfuskee Co., 37.93 cu.yd. earth and 4,080 cu.yd. rock excav., 15.46 tons reinforcing, 323 ft. concrete pipe, etc., to J. E. Smith & Sons, Duncan, $35,543 and $36,305 respectively, e. e. $42,360 and $41,306 respectively, 3.01 mi. Wetumka Rd., 30 ft., F. A. P 188-B, Hughes Co., 18,375 cu.yd. earth and 1,350 cu.yd. rock excav., 17 tons reinforcing, 376 ft. concrete pipe, etc., to W. J. Pharoah, Okemah, $21,248 e. e. $25,760, 12.54 mi. Guthrie-Noble Co. line Rd., 30 ft., F. A. P. 139-D and E, Logan Co., 87,696 cu.yd. earth and 11,080 cu.yd. rock excav., 39.4 tons reinforcing, etc., to M. A. Swatek & Co., 519 West Main St., Oklahoma City, $72,016 e. e. $86,994, 5.24 mi. Nowata-Delaware Rd., 18 ft., 8,444 cu.yd. earth and 20 cu.yd. rock excav., 9.89 tons reinforcing, 416 ft. concrete pipe, etc., to Turner & Spaulding, Vinita, $26,442 e. e. $35,514. Grand total $589,511. Noted June 4 and 11.

Okla., Holdenville—Grading and concrete paving 9,730 sq.yd. North Gulf St., to E. H Locher, Amer. Bank Bldg., Okmulgee, $29,966. Engrs. est. $32,500. Noted May 7.

Okla., Mangum—Paving 5 blocks various streets, to T. E. Ward, Mangum, $43,000. Noted June 4.

Washington—State Hy. Dept., Olympia, to Goetz & Brennan, Seaboard Bldg., Seattle, improving State Highway 12, Pacific Co., 4,200 cu.yd. subgrade at $1.00 per cu.yd., 17,688 cu.yd. overhaul $1, 16,460 sq.yd. concrete paving $2.89, 12,870 cu.yd. earth excav. $1, 2,590 cu.yd. loose rock excav. $1.10, 1,820 cu.yd. solid roc kexcav., $2, etc., total $93,075.

Wash., Hoquiam—City Council, 7 in. concrete paving Emerson Ave. from Adams Ave. to Lincoln St., to Grays Harbor Constr. Co., Aberdeen, $77,484. Engrs. est. $75,000.

California — State Hy. Comn., Sacramento, **(e. e. means engineers estimate)**, widening with waterbound macadam shoulders 12.1 mi. road between point 1 mi. north of Bradley and San Ardo and 11 mi. road between San Ardo and San Lucas, Monterey Co., to F. W. Nighbert, Bakersfield, $35,200 and $31,005 respectively, e. e. $38,400 and $31,590; crushed gravel or stone widening 10 mi. road between point 6 mi. east of Los Banos and San Joaquin River, Merced Co., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $23,368 e. e. $24,130; concrete paving 8 mi. road through town of Corning, Tehama Co., to E. A. Burns, Stockton, $36,922 e. e. $39,170; concrete paving 7.6 mi. and gravel or stone surfacing 1.2 mi. road between Healdsburg and Mark West Creek and near Santa Rosa, Sonoma Co., to Galbraith & Janes, P. O. Box 539, Napa, using rein.-con. culverts, $278,466 e. e. $296,933; crushed stone or gravel surfacing 11.6 mi. road between Tahoe City and Nevada State line, Placer Co., to Bishop & Brooks, 201 Hagelstein Bldg., Sacramento, $23,912 e. e. $23,520, 6 mi. road between Floriston and Nevada State line, Nevada and Sierra Counties, to Nevada Contg. Co., Fallon, Nev., $313,088 e. e. $264,218. Grand total $741,960. Noted June 4 and 25.

Calif., Culver City — Grading, curbing and concrete paving portions of Oregon Ave., etc., to Braun, Bryant & Austin, P. O. Box 477, Inglewood, $57,241.

Calif., El Cerrito — Grading and Warrenite on concrete surfacing Elm, Liberty Sts., etc., to Crocker Co., 58 2nd St., San Francisco, $207,965. Noted June 25.

Calif., Los Angeles—Grading, curbing and sidewalks, etc. on 11,884 sq.ft. 24th St., and grading, curbing, guttering, and paving Bronson Ave., to Griffith Co., Los Angeles

Streets and Roads (Continued)

Ry. Bldg., $15,689 and $18,892 respectively, engrs. est. $16,828 and $19,829 respectively; paving Armstrong Ave., to T. W. Oglesby, Santa Ana, $59,293 engrs. est. $63,758. Grand total $93,874.

Calif., Merced—Willite paving portions of Q, 22nd and 23rd Sts., etc., to Valley Paving & Constr. Co., Visalia, approximately $50,250. Noted Apr. 30.

Calif., Venice—Grading, curbing, guttering, and 6 in. concrete paving, 122,310 sq.ft. 6 in. Rialto Ave. between Lincoln Blvd. and Electric Ave., to W. Crawford, Venice, $26,198. Noted June 11.

B. C., North Vancouver—Improving various streets with 7 in. concrete paving and 9 in. shoulders, to Dawson Wade & Co., Behins Bldg., Vancouver, $25,150. Engrs. est. $25,000.

Buildings—Industrial

PROPOSED WORK

Me., Washburn—MILL—Amer. Realty Co. plans reconstructing lumber mill, recently destroyed by fire. To exceed $40,000. Engineer and architect not selected.

Mass., Boston—REPAIR GARAGE and STORAGE—W. W. Drummey, archt., 80 Boylston St., making sketches 2 story, 75 x 220 ft., brick and timber, Clayton St. $100,000. Owner's name withheld.

Mass., Dorchester (Boston P. O.)—FACTORY—James Russell Boiler Wks. Corp., 9 Dewar St., having preliminary plans prepared by Monks & Johnson, 99 Chauncy St., Boston, 1 story, brick and steel addition. $40,000 or more.

Mass., Somerville (Boston P. O.) — MANUFACTURING, etc.—New England Vinegar Wks., Inc., retained Lockwood, Greene & Co., engrs., 24 Federal St., Boston, to prepare plans and supervise construction of 3 story and basement, 51 x 118 ft. manufacturing building, 14 x 32 ft. brick and concrete boiler house, 29 x 32 ft. brick barrel storage shed, 13 x 19 ft. coal storage bin, and 6 x 9 ft. incinerator.

Mass., Williamsett—STORAGE—B. F. Perkins & Son, Inc., Holyoke, retained Lockwood, Greene & Co., engrs., 24 Federal St., Boston, to prepare plans and supervise construction 2 story, 80 x 150 ft., brick and steel pattern storage building, and 1 story, 60 x 260 ft. machine shop.

Conn., Seymour — FACTORY — New Haven Copper Co., 79 Main St., plans new plant. $50,000.

Md., Baltimore — FACTORY — Pioneer Hardwood Flooring Co., Ashland Ave. and 8th St., had plans prepared by F. W. Steiner, 124 North Lakewood Ave., 1 story, 120 x 245 ft., hollow tile, Ashland Ave. and 8th St. $50,000.

Ga., Warsaw—MILL—Twin Tree Lumber Co., Hopkins, plans modern equipped mill, 20,000,000 ft. capacity, near here.

Tenn., Memphis—LAUNDRY—Memphis Steam Laundry, North 2nd St., purchased 300 x 500 ft. site, and plans new laundry, Jefferson St. back of Baseball Park. To exceed $150,000.

O., Canton—FACTORY—Weber Dental Mfg. Co., Cherry Ave. S. E., plans two 1½ story, 33 x 100 ft., and 33 x 150 ft., brick and concrete additions. $40,000.

O., Cleveland — FACTORY — German Baptist Publication Society, H. P. Donner, business mgr., 3804 Payne Ave., had plans prepared by A. G. Simon, Hippodrome Bldg., 1 and 2 story, 27 x 75 ft. and 30 x 50 ft., brick and timber, East 38th St. and Payne Ave. $40,000.

O., Cleveland — POWER HOUSE — See "Buildings—Commercial."

Mich., Detroit — FACTORY — Michigan Brush Mfg. Co., 3701 Michigan Ave., having plans prepared 1 story, brick, steel and concrete addition. $50,000. S. Scott, pres. Private plans.

Ill., South Beloit (mail Beloit, Wis.) — FACTORY—Freeman Shoe Mfg. Co., 300 St. Paul Ave., Beloit, Wis., having plans prepared by H. J. Esser, engr. and archt., 82 Wisconsin St., Milwaukee, Wis., 3 story, 42 x 250 ft., and 52 x 80 ft. factory, also 20 x 40 ft. boiler house, brick and timber, plain foundations, here. $85,000.

Wis., Merrill — CONDENSORY — Page Milk Co., R. B. Page, pres., plans 2 story, brick and concrete or brick and timber condensory. $150,000. Engineer and architect not selected.

Wis., Racine — DAIRY PLANT — H. W. Voeltz, archt., 373 Bway., Milwaukee, preparing plans 2 story and basement, 62 x 80 ft. dairy plant, brick and concrete. $65,000. Owner's name withheld.

Mo., Kansas City—FACTORY—Carnie-Goudie Mfg. Co., 22nd St. and Grand Ave., having plans prepared by Shepard & Wiser, R. A. Long Bldg., 4 story and basement, 70 x 115 ft., brick, plain foundation, 26th and Pennsylvania Sts. $100,000 plus.

Mo., Kansas City—REPAIR STATION, etc.—City, c/o W. B. Buchholz, chn. Fire & Water Bd., City Hall, plans repair station and training school for Fire Dept. $190,000. Engineer and architect not selected.

Ark., Fayetteville—POWER PLANT—Southwest Power Co. had preliminary plans prepared 2 story, 70 x 100 ft., rein.-con. and brick power plant. W. B. Miser, genl. mgr. Private plans.

Tex., Beeville—FACTORY—Grunder Industries, Inc., soon takes bids 1 story, 160 x 396 ft. steel cotton compress. $60,000. Private plans.

Tex., Hot Wells—PLANT—San Antonio Boot Co., 1602 East Houston St., San Antonio, making plans brick and timber addition to plant just purchased, near here. $150,000. Private plans.

Okla., Bernice—POWER PLANT, etc.—Public Service Co. of Oklahoma, 107 East 40th St., Tulsa, making preliminary plans power house 180 ft. long, and 640 ft. power dam, 40 ft. high, incl. 10 flood gates, etc., on Grand River, near here. $2,500,000. J. McCrary, c/o owner, engr.

Calif., Oakland—PLANT—Willys-Overland Co., 1299 Bush St., San Francisco, having preliminary plans prepared by Austin Co. of California, 244 Kearny St., San Francisco, auto assembling plant, here. To exceed $150,000.

Calif., Pomona — BOILER HOUSE—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, boiler house, here. $40,000.

Calif., Springville—BOTTLING PLANT—Crescent Bottling Wks., Porterville, purchased site and plans bottling plant, here. $45,000 incl. equipment.

Calif., Ukiah—BOILER PLANT—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, boiler plant and equipment, for Mendocino State Hospital, here. $49,000.

Calif., San Quentin — LAUNDRY — See "Buildings—Commercial."

BIDS DESIRED

Mass., Cambridge—(Boston P. O.)—FACTORY—Cambridge Rubber Co., 748 Main St., taking bids 4 story, 80 x 100 ft., rein.-con. and brick, Main and Windsor Sts. $125,000. J. R. Worcester & Co., 79 Milk St., Boston, archts. Noted May 21.

Mass., Pittsfield — MILL — Pontoosic Woolen Co., taking bids 1 story, rein.-con., steel and stone mill. To exceed $40,000. C. T. Main, 200 Devonshire St., Boston, archt.

O., Cleveland—FACTORY and WAREHOUSE—Sterling Brass Co., S. Weil, pres., 9600 St. Catherine Ave., taking bids 2 story and basement, 40 x 125 ft., brick and steel factory and warehouse. $50,000. A. Sogg, 3030 Euclid Ave., archt. Noted Jan. 8.

Mich., Detroit—July 6, by A. Kahn, 1000 Marquette Bldg., 3 story, 84 x 580 ft., rein.-con., brick and steel, plain foundation, Connors and Knodell Aves., for Hudson Motor Car Co., 12601 East Jefferson Ave.

Mo., St. Louis — PLANT — Lungstras Dyeing & Cleaning Co., 13th St. and Park Ave., taking bids 1 story and part basement, 40 x 120 ft., and 150 x 320 ft., brick and steel, Vandeventer and Accomac Sts. Private plans.

Calif., Fresno—SHOP—July 13, by State Hy. Comn., Sacramento, 1 story, timber and iron maintenance shop and truck shed, here. R. M. Morton, state engr.

CONTRACTS AWARDED

Conn., Hartford — BOILER HOUSE — Connecticut Mutual Life Insurance Co., 36 Pearl St., 2 story, 50 x 70 ft., brick and steel, Collins St., to H. C. Irons & Sons, Inc., 101 Park Ave., New York City. Archts. est. $60,000.

Conn., Seymour — FACTORY — Tingue Manufacturing Co., 6 Factory St., will build 1 story, 40 x 120 ft., brick addition, by day labor. Archts. est. $40,000. Private plans.

Conn., Stafford Springs—DYE HOUSE—Warren Wollen Co., 3 story, 70 x 100 ft. dye house, and coal dock, both rein.-con., to Aberthaw Co., 27 School St., Boston, $65,000.

Mass., Roxbury (Boston P. O.)—FACTORY—A. J. Tower Co., 18 Simmons St., Factory 6, 5 story and basement, 75 x 100 ft., rein.-con., brick and steel, to Whidden Beekman Constr. Co., 100 Boylston St., Boston. Archts. est. $85,000.

Mass., Worcester—WAREHOUSE—Budish & Kaplin, 20 Bridge St., 2 story and basement, 80 x 142 ft., rein.-con. and brick, Bridge St., to U. Dorais, Exeter St. Archts. est. $150,000. Noted April 23.

Pa., Phila.—FACTORY—Atlas Electric Co., 1218 Hamilton St., 3 story and basement, 56 x 72 ft., brick, plain foundation, 916 Green St., to Farrell-Roth Co., 1624 Spruce St. Noted Apr. 9.

Pa., Phila. — FACTORY — H. O. Willig Co., 3rd and New Sts., 4 story and basement, 27 x 55 ft. candy factory rein.-con. and brick, plain foundation, to W. Steele & Sons Co., 219 North Broad St.

O., Cleveland—BOILER HOUSE—Amer. Steel & Wire Co., c/o J. N. Fleming, purch. agt., Rockefeller Bldg., 1 story 106 x 140 ft. boiler house, 78 ft. high, steel frame and corrugated steel siding along Cuyahoga River, to Amer. Bridge Co., Rockefeller Bldg. Archts. est. $300,000.

O., Cleveland — FACTORY, etc. — Dust Recovering & Conveyor Co., F. L. Jorgenson, pres., 2130 St. Clair Ave., 1 story 90 x 180 ft. factory, and 2 story, 40 x 40 ft. office building, brick, steel and concrete, East 116th St. and Harvard Ave., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $75,000.

O., Cleveland—FACTORY, etc.—Industrial Fibre Co., c/o C. A. Nau, constr. mgr., 9801 Walford Ave., 1 story, 100 x 200 ft., 50 x 80 ft., 20 x 60 ft., 25 x 40 ft., 41 x 200 ft., and 100 x 100 ft. brick, steel and concrete factory additions and extensions, to M. B. Parker Constr. Co., 1836 Euclid Ave. Archts. est. $300,000. Noted June 25.

O., Lorain—ENAMELING ROOM—Amer. Stove Co., 1 story, 60 x 110 ft. enameling room addition, to Graupner & Ule, Lorain. Archts. est. $40,000.

Ill., Chicago—PLANT—General Carbonic Co., 17 West 46th St., New York City, 1 story, concrete brick and steel, etc., here, to Austin Co., 16112 Euclid Ave., Cleveland, Ohio.

Wis., Burkhardt—POWER PLANT—See "Dams."

Wis., Clintonville—FACTORY—Clintonville Milk Co., c/o J. Winkler & G. E. Schulz, will build 2 story, 40 x 100 ft. and 42 x 56 ft., brick and concrete, plain foundation, by day labor. $70,000. Private plans.

Wis., Waukesha—MANUFACTURING—Eckerman & Ruddell, (engrs., archts. and contractors), 279 Layton Blvd., Milwaukee, will build 2 story and basement, 52 x 77 ft., brick and timber, plain foundation, here, for Waukesha Jelly Powder Co., Bway. and East Ave. $40,000. Noted June 25.

Wis., Waukesha—FACTORY—Manitowoc Church Furniture Co., 1214 Lincoln Ave., will build 1 story, rein.-con. addition, plain foundation, by day labor. Private plans.

Kan., Wichita — FACTORY — Hayes Equipment Co., Sedgwick Bldg., 1 story and basement, 126 x 150 ft., brick and rein.-con. factory, to Vandenburg & Son, 119½ South Lawrence St.

Tex., Houston—FACTORY—Hughes Tool Co., Hughes St., will build 1 story, 140 x 140 ft., rein.-con. and timber addition, 300 Hughes St., by day labor. $40,000. Engineer and architect not announced.

Tex., Lufkin—PLANT—S. F. McDonald, Trinity, will build 20 ton capacity ice plant, by day labor. $45,000. Engineer and architect not announced.

Calif., San Francisco—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., will built 4 story, steel and concrete, Leidesdorff and Sacramento Sts., by day labor.

B. C., Vancouver — FACTORY — Amer. Can Co., Railway St., will build 5 story, 104 x 204 ft., rein.-con., Railway St., by day labor. $475,000. C. G. Preis, San Francisco, engr.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — HOME — Old Peoples Home, M. Morse, chn. com., Hotel Avery, having plans prepared by Kroklyn, Browne & Rosenstein, 220 Devonshire St., 3 story and basement, 70 x 90 ft., two 30 x 90 ft. dormitories, also heating plant, etc., rein.-con. and brick, plain foundations. $500,000.

Mass., Boston—HOTEL—E. N. Wyner, 18 Tremont St., plans hotel, Newbury and Clarendon Sts. To exceed $150,000. Engineer and architect not selected.

Conn., New Haven — GARAGE — E. M. Jennings Co., 347 Crown St., having plans prepared by Norton & Townsend, 405 Temple St., 1 story, 98 x 285 ft., and 50 x 75 ft., brick and steel, 250 Whalley Ave. $150,000 or more.

Pa., Phila.—STORE and APARTMENT—W. Freihofer, 20th and Indiana Sts., having revised plans prepared by Murphy & Talley, Drexel Bldg., 4 story and basement, 185 x 242 ft., Franklin Ave. and Foulkrod St. Former bids rejected. Noted Mar. 12.

Pa., Phila.—THEATRE, etc.—Ogontz & Church Lane Realty Co., c/o Magaziner, Eberhard & Harris, archts., 603 Chestnut St., and Hoffman-Henon Co., archts., Finance Bldg., having plans prepared 2 and 3 story, 550 ft. frontage, brick, theatre,

Buildings—Commercial (Continued)

store, apartment and bank building, plain foundation, Ogontz Ave. near Chelton Ave.

Del., Newark—DORMITORY—Delaware University plans dormitory. $235,000 appropriated. Day & Klauder, Franklin Bldg., Phila., Pa., archts.

D. C., Wash. — HOTEL — Cosmopolitan Hotel Co., having plans prepared by Milburn, Heister & Co., Union Savings Bank Bldg., 9 story and basement, 63 x 75 ft., fireproof, 13th and H Sts.

Fla., Ft. Lauderdale—STORE—Pioneer Dept. Store, having plans prepared by A. Ten Eynck Brown, Forsyth Bldg., Atlanta, Ga., and Miami, 3 story (ultimately 5 story) department store, Ocala Ave. $150,000.

O., Canton — MERCANTILE — J. J. Joseph, 411-415 Tuscarawas St. E., plans 3 story and basement, 132 x 200 ft., brick and steel, Tuscarawas St. W. and Newton Ave. $175,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., E. F. Morrill, construction supt., 5300 Euclid Ave., having plans prepared 2 story and basement, 81 x 81 ft., brick, steel and concrete, West 35th St. $150,000. Private plans.

O., Cleveland—HOSPITAL—Marine Hospital, c/o J. P. Bahrenburg, major, East 9th St. and Lakeside Ave., having plans prepared by J. A. Wetmore, archts., Wash., D. C., 1, 2 and 3 story, brick, steel and concrete main hospital, nurses home, attendants home and power house, East 124th St. and Fairmount Rd. $1,000,000.

O., Lima—BANK and OFFICE—Lima Trust Co., Market and Pub. Sq., having plans prepared by Weary & Alford, 1923 Calumet Ave., Chicago, Ill., 12 story and basement, 75 x 125 ft., brick and hollow tile bank and office building. $750,000. Noted May 21.

O., Warren—HOSPITAL—City plans addition to hospital. $150,000.

Ind., Ft. Wayne—INFIRMARY—Comrs. Allen Co. having plans prepared by C. R. Weatherhogg, 205 West Wayne St., 2 story and basement, rein.-con. and brick infirmary. $259,000.

Ind., Indianapolis — APARTMENT — A. Bayham, 3543 North Pennsylvania St., having plans prepared H. Z. Dietz, State Savings Bldg., 2 story and basement, 70 x 195 ft., rein.-con., brick and steel, Pennsylvania Ave. $170,000.

Ind., Indianapolis — ARMORY — State Natl. Guard, having plans prepared by Ostrom Realty Co., Peoples Bank, 2 and 4 story and basement, 102 x 195 ft., rein.-con., brick and steel, Pennsylvania St. $400,000.

Ind., Indianapolis—HOSPITAL—Methodist Hospital, 1604 North Capitol Bldg., having plans prepared by Vonnegut, Bohn & Mueller, Indiana Trust Bldg., 4 story and basement, rein.-con., brick and steel, North Capitol Ave. $700,000.

Ill., Champaign—MEMORIAL—Columbus Foundation, J. L. Klein, secy., having preliminary plans prepared by E. Houlihan, 155 North Clark St., 3 story and basement, rein.-con., brick and stone, 6th and Armory Sts. $1,000,000.

Ill., Chicago—INFIRMARY—State Building Comn., Springfield, plans new infirmary, here. $400,000. Engineer not selected. Address State Architect.

Ill., Granite City—HOSPITAL—Sisters of Divine Providence, c/o St. Elizabeths Hospital, making preliminary plans rein.-con., brick and stone, Madison St., to replace St. Elizabeths Hospital. $500,000. Engineer and architect not announced.

Ill., Joliet—OFFICE and STORE—T. C. Scott having preliminary plans prepared by H. W. Tomlinson, 21 Morris Bldg., 1 and 2 story and basement, 165 x 280 ft., rein.-con., brick and stone, Jefferson and Van Burean Sts.

Wis., Milwaukee — HOTEL and BUSINESS—A. Tegtmeyer, 401 Grand Ave., having plans prepared by M. Tullgren & Sons, 425 East Water St., 10 story and basement, 50 x 150 ft., brick and concrete, plain foundation, Grand Ave. $400,000. Noted Jan. 15.

Wis., Milwaukee—THEATRE—Colonial Amusement Co., 984 Sherman Blvd., having preliminary plans prepared by Dick & Bauer, 811 State St., 2 story and basement, 50 x 225 ft., brick, terra cotta and concrete, plain foundation, Vliet St. $300,000.

Minn., Faribault—DORMITORY—Shattuck School, C. W. Newhall, having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., St. Paul, 3 story and basement, rein.-con. and limestone dormitory. $150,000.

Minn., Minneapolis—TERMINAL—City, H. N. Knott, city clk., had sketches made 6 story, rein.-con. and brick terminal and docks, Mississippi River, foot of 4th St. $300,000. F. M. Henry, 513 Lumber Exch., engr.

S. D., Redfield—COURT HOUSE—Spink Co. voted $350,000 bonds, 3 story and basement, rein.-con., brick and stone court house. J. P. Wolf, co. aud.

Mo., Kansas City—BANK and OFFICE—City Bank, 1601 Grand Ave., having plans prepared by Holden, Ferris & Barnes, 1016 Baltimore St., 6 story and basement, 84 x 115 ft., concrete and steel, plain foundation, 18th St. and Grand Ave. $600,000.

Mo., Kansas City—HOTEL—Drake Hotel, 404 Title & Trust Bldg., had plans prepared by W. J. Koch, 801 Mutual Bldg., and soon takes bids 8 story and basement, 42 x 132 ft. hotel. $450,000.

Mo., St. Louis — HOSPITAL — St. Anthony's Hospital, Grand Blvd. and Chippewa St., having preliminary plans prepared 3 story and basement, rein.-con., brick and stone addition, Chippewa St. and Grand Blvd. $500,000.

Mo., St. Louis—OFFICE—P. Brown, c/o I. T. Cook, Arcade Bldg., having plans prepared by P. J. Bradshaw, International Life Bldg., 10 story and basement, 108 x 116 ft., steel, brick and terra cotta top addition, 9th and Pine Sts. A. Monschein, 1727 Arcade Bldg., engr.

Mo., St. Louis — STORE, etc. — S. S. Kresge Co., 526 Fulton St., New York City, N. Y., and Kresge Bldg., Detroit, Mich., having plans prepared by H. Holmes, c/o owner, 2 story and basement, Easton and Hodiamont Sts., here. $200,000.

Ark., Texarkana — CITY HALL — City soon takes bids 3 story, 72 x 120 ft., rein.-con., brick, tile and terra cotta, 3rd and Walnut Sts. $200,000. Witt, Seibert & Halsey, Texarkana Natl. Bank Bldg., archts. Noted June 25.

Tex., Abilene—BUSINESS—Minter Dry Goods Co., c/o G. L. Minter, having plans prepared by D. S. Castle Co., 26-31 Radford Bldg., 3 story and basement, 50 x 140 ft., rein.-con., brick and terra cotta, 244-46 Pine St. $200,000.

Tex., Beaumont—THEATRE—Stock Co., having plans prepared and soon takes bids 80 x 150 ft., rein.-con., brick and stone, plain foundation. $500,000. E. Weil, 3607 St. Charles St., New Orleans, La., engr.

Tex., Brownsville—DORMITORY—Sisters of Incarnate Word & Blessed Sacrament having plans prepared by H. P. Smith, engr., and archt., Natl. Bank Commerce Bldg., San Antonio, 2 story and basement, rein.-con., brick and stone, plain foundation. $300,000.

Tex., Ft. Worth—STORE—V. Z. Jarvis, c/o Ft. Worth Natl. Bank, having plans prepared by W. G. Clarkson & Co., 1st Natl. Bank of Ft. Worth, 3 story and basement, 95 x 100 ft., rein.-con., brick and steel, plain foundation, Houston St. $300,000.

Tex., San Antonio—CLUB—San Antonio Club, 303 Alamo Pl., W. W. King, member Building Com., purchased site and plans 5 story and basement, about 88 x 110 ft., rein.-con., brick, tile and stone, plain foundation, Crockett and North Press Sts. $250,000. Engineer and architect not selected.

Tex., San Antonio—COURTHOUSE, etc. —Bexar Co., election soon $1,000,000 bonds, annex to courthouse; also $500,000 bonds, remodeling present building. A. McCloskey, San Antonio, co. judge. Noted Jan. 8.

Tex., San Antonio — DEPOT — Missouri Pacific R.R. Co., Ry. Exch., St. Louis, Mo., E. A. Hadley, ch. engr., and International & Great Northern R.R. Co., Electric Bldg., Houston, F. S. Schwinn, ch. engr., having plans prepared new passenger depot on North Side near Summit Ave., here. $250,000 or more. Private plans.

Tex., San Antonio — HOTEL, APARTMENT, OFFICE and THEATRE—S. L. Jeffers, 1 Bushnell Pl., having plans prepared by H. T. Phelps, engr. and archt., 519 Hicks Bldg., 12 story and basement, 129 x 141 ft. hotel, $1,300,000; 12 story and basement, 58 x 137 ft. apartment hotel, $1,000,000; and 12 story and basement, 50 x 150 ft. office and theatre building, $800,000, all rein.-con., brick and stone, plain foundations, 3rd St. and Ave. E.

Tex., Wichita Falls — AUDITORIUM — Election soon $500,000 bonds, new auditorium. W. E. McBroon, city secy. Engineer and architect not announced.

Ariz., Nogales—HOTEL—H. B. Shreve, Montezuma Hotel, plans hotel, Morley Ave. $300,000. Engineer and architect not selected.

Calif., Aptos—HOTEL—Monroe-Lyon & Miller, c/o B. Schreyer, archt., 105 Montgomery St., San Francisco, having preliminary plans prepared fireproof hotel. $1,000,000.

Calif., Brawley—HOTEL and STORE—Community Hotel Corp., having preliminary plans prepared by Murray & Chesebro, 4707 Hollywood Blvd., Los Angeles, 3 story, rein.-con. hotel and store building. $150,000.

Calif., Fresno—BANK—Bank of Italy, Fulton and Tulare Sts., having plans prepared 2 story or more, fireproof bank annex, Tulare and Fulton Sts. $500,000.

Calif., Inglewood — WAREHOUSE — Inglewood Industries, Inc., had plans prepared by Austin Co. of California, 777 East Washington St., Los Angeles, 4 story, 200 x 300 ft., concrete, Centinela Blvd. and La-Colina Dr. $400,000.

Calif., Los Angeles—APARTMENT—S. Brown, archt., Lincoln Bldg., preparing preliminary plans 4 story and basement, 85 x 165 ft., brick, 6th and Vermont Aves. $150,000. Owner's name withheld.

Calif., Los Angeles—CLUB—Concordia Club having plans prepared by S. Brown, Lincoln Bldg., 3 story and basement, 85 x 160 ft., brick, 4th St. $150,000.

Calif., Los Angeles — CLUB — Hillhurst Club, E. M. McGreen, chn. Bldg. Com., had preliminary plans prepared by A. C. LeBrun, 6656 Hollywood Blvd., 4 story and basement, 100 x 135 ft., Hillhurst Ave. and Hollywood Blvd. To exceed $150,000.

Calif., Los Angeles — HOSPITAL — Los Angeles Co., having plans prepared by W. Davidson, 1016 Hall of Records Bldg., 3 story, 60 x 160 ft., rein.-con. ward building, Mission Rd. $150,000.

Calif., Los Angeles—THEATRE—Wholesale Properties Corp., C. W. Erwin, pres., Westlake Professional Bldg., having plans prepared by R. M. Bates, Jr., Brack-Shops Bldg., 4 story, 115 x 180 ft., brick and terra cotta, Alvarado St. and Wilshire Blvd. $500,000. West Coast-Langley Circuit, lessee.

Calif., Norwalk — HOSPITAL — State Building Comn., Sacramento, plans 3 fireproof hospital buildings, at Norwalk State Hospital, here. $400,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., Oakland—OFFICE and STORE—Latham Square Corp., c/o M. I. Diggs, archt., 17th St and Telegraph Ave., having plans prepared 14 story and basement, Class A, 16th St. and Telegraph Ave. $1,000,000.

Calif., Pomona — BUILDINGS — State Building Comn., Sacramento, plans miscellaneous structures, for Pacific Colony, here. $280,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., Patton—HOSPITAL—State Building Comn., Sacramento, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, fireproof hospital units, east and west wings, here. $170,000.

Calif., San Fernando—DORMITORIES—Los Angeles Co. (Los Angeles), having plans prepared by W. Davidson, 1016 Hall of Records Bldg., Los Angeles, five 2 story, 30 x 115 ft., timber, at Olive View Sanitarium, here. $150,000.

Calif., San Francisco—LABORATORY—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, laboratory group, for State Teachers' College, here, $160,000.

Calif., San Quentin—WOMENS BUILDING, etc.—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, women's building, $150,000; cell block $168,000, and laundry $40,000, at State Prison, here.

Calif., Stockton—FARM BUILDINGS—State Building Comn., Sacramento, plans farm buildings at State Hospital, here. $158,500. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., Ukiah—HOSPITAL—State Building Comn., Sacramento, plans 2 ward cottage buildings, and custodial unit, at Mendocino State Hospital, here. $282,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

B. C., Vancouver—STORE—McCarter & Nairne, archts., 509 Richards St., Hastings, take bids about Aug. 17, 8 story and 2 basements, 104 x 260 ft., rein.-con., terra cotta and brick, Cordova, Hastings and Richards Sts., for David Spencer, Ltd. $1,500,000.

BIDS DESIRED

Me., Biddeford—HOME—Webber Hospital, E. H. Goldthwaite, chn. com., taking bids 2 story and basement, brick and stone, plain foundation, Elm St. $150,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt. Noted June 18.

Mass., Malden — THEATRE — Ramsdell Bros., Orpheum Theatre, taking bids 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Dartmouth and Pleasant Sts. $400,000. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Mowl & Rand, 21 School St., Boston, archts. Noted Apr. 23.

Buildings—Commercial (Continued)

Mass., Quincy (Boston P. O.)—STORE and OFFICE—H. M. Faxon, 300 Adams St., will build 2 story and basement, 97 x 190 ft., rein.-con. and brick, plain foundation Saville St. and New Way. $175,000. Work will be done by separate contracts. Shepad & Stearns, 75 Franklin St., Boston, archts.

N. Y., Ithaca—HOSPITAL—July 21, by C. B. Bostwick, comptroller Cornell University, construction additions and alterations, etc., to Veterinary Hospital. W. Jones, Capitol Bldg., Albany, state archt.; adv. E. N.-R. July 2.

Pa., Easton—DORMITORY—July 8, by Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., Easton Hall, 3 story and basement, 38 x 134 ft., brick, plain foundation, here, for Lafayette College. $150,000.

Pa., Hanover—HOTEL—July 10, by W. L. Stoddard, archt., 50 East 41st St., New York City, R. McAlister Hotel, 5 story and basement, 115 x 159 ft., brick and steel, plain foundation, here, for Community Hotel Co. $500,000.

Pa., Oil City—BANK—Weary & Alford, archts., 1923 Calumet Ave., Chicago, Ill., taking bids 4 story, mezzanine and basement, 63 x 100 ft., brick and terra cott., Seneca and Center Sts., for Oil City Nat. Bank, 49 Seneca St. $500,000. Noted Mar. 5.

Pa., Phila. — BANK — July 9, by W. L. Blithe, archt., 608 Chestnut St., 2 story and basement, 24 x 214 ft., rein.-con. and brick, plain foundation, 52nd and Market Sts., for Market St. Title & Trust Co. $200,000. Noted Feb. 5.

O., Cleveland — APARTMENT — J. E. Glazer, Ulmer Bldg., taking bids 3 story and basement, 100 x 100 ft., brick and timber, West Blvd. $175,000. L. R. Walker, 1900 Euclid Bldg., archt.

O., Cleveland—APARTMENT—East 86th St. Development Co., c/o S. H. White, archt., 1032 Schofield Bldg., taking bids 4 story and basement, 60 x 97 ft., brick, East 86th St. $150,000.

Mich., Detroit—APARTMENT—A. Clubb, archt., 1312 Penobscot Bldg., taking bids 11 story and basement, 45 x 90 ft., brick, steel and concrete, 2nd and Forest Aves. $150,000. Owners name withheld.

Tex., Houston—WAREHOUSE and OFFICE—July 15, by Crane Co., c/o Y. H. Groenlund, 2205 McKinney Ave., 3 story and part basement, 100 x 250 ft., rein.-con., brick and tile, McKinney Ave. and Hutchins St. $175,000. Engineer and architect not announced.

Calif., Los Angeles — APARTMENT — L. A. Smith, archt., Lily-Fletcher Bldg., taking bids 4 story and basement, 50 x 125 ft., brick and steel, 7th and Mariposa Aves. $150,000. Owner's name withheld.

Calif., Berkeley—STORE and OFFICE—Central Berkeley Building Co., c/o W. H. Ratcliff, Jr., Mercantile Bank Bldg., will build 12 story and basement, steel, concrete and brick, center St. and Shattuck Ave. $500,000. Work will be done by separate contracts.

Calif., San Francisco—APARTMENT—F. S. Holland, archt., 1629 Folsom St., taking bids 5 story and basement, rein.-con., Larkin St. near Geary St. for A. West, c/o architect. $150,000.

Calif., San Bernardino—THEATRE and STORE—C. R. Selkirk, archt., Amer. Bank Bldg., Los Angeles, taking bids 2 story and basement, 140 x 160 ft., rein. con. and steel, for Mayer Picture Corp., Hollywood. $250,000.

BIDS RECEIVED

Conn., South Manchester—TOWN HALL—Town Bd. Selectmen, Hall Records, Manchester 2 story and basement, rein.-con. and brick, plain foundation, Center St., from Manchester Constr. Co., 953 Main St., $179,000. Noted June 4, under "Manchester."

N. J., Glen Gardner—HOSPITAL—Bd. Institutions & Agencies, Trenton, June 16, from De Risso Co., Inc., Union City, 2 story, 300 ft. long, Childrens Unit $272,000, 2 story employees building $73,840, 2 story infirmary $87,746, all above, here, for New Jersey Sanatorium for Tuberculosis. Noted June 11.

Mich., Detroit—HOSPITAL—Pub. Welfare Comn., Clinton and Raynor Sts., altering and constructing 9 story and basement, rein.-con., brick, stone and steel, addition to hospital group, Clinton St., from W. E. Wood Co., 1805 Ford Bldg., $936,961.

CONTRACTS AWARDED

Mass., Braintree — BANK — Braintree Savings Bank, G. H. Sampson, chn., 2 story and basement, brick, plain foundation, Washington and Summer Sts., to R. H. Howes Constr. Co., Park Sq. Bldg., Boston. Archts. est. $150,000. Noted Apr. 23.

Mass., Lynn — HOSPITAL — Lynn Hospital, 528 Broad St., H. M. Hoague, pres., 4 and 5 story and basement, 45 x 130 ft., brick and stone, plain foundation, to C. S. Cunningham & Sons, 80 Boylston St., Boston. Archts. est. $150,000. Noted Apr. 30.

Mass., Worcester—OFFICE and STORE—B. Press, Monadnock St., will build 5 story and basement, brick, Front St., by day labor. $175,000. E. T. Chapin, 340 Main St., archt.

N. Y., New York—OFFICE—Real Estate Bd., c/o Starrett & Van Vleck, archts., 8 West 40th St., 17 story, brick, stone and steel, plain foundation, 14 East 41st St., to G. Richard Davis & Co., Inc., 30 East 42nd St. Noted Feb. 12.

N. Y., New York—OFFICES—Sloan & Robertson, archts. and engrs. 1 Pershing St., 21 story, brick, steel and stone, plain foundation, Cedar and Williams St., and altering 15 story office building, 57 Williams St., to George A. Fuller Co., 949 Bway., for Cedar Williams Street Corp., c/o architects. Archts. ests. $2,500,000 and $200,000 respectively. Noted June 4.

N. J., Newark — BANK and OFFICE — Federal Trust Co., 740 Broad St., 18 story, brick and steel and stone, plain foundation, Commerce and Broad Sts., to Public Service Production Co., 80 Park Pl., Newark. Archts. est. $1,250,000. This corrects report in June 18 issue.

Pa., East Pittsburgh (Pittsburgh P. O.)—OFFICE—B. H. Prack, archt., Martin Bldg., Pittsburgh, general contract 11 story, 52 x 360 ft., brick on hollow tile, here, to B. A. Groah Constr. Co., 847 West North St., N. S. Pittsburgh, for Westinghouse Electric & Mfg. Co. Noted June 4.

Pa., Erie—WAREHOUSE—General Electric Co., general contract 2 story and basement, 183 x 444 ft., brick, to J. C. Hammond, 224 Lincoln Ave.

Pa., McKeesport — HOTEL—McKeesport Community Hotel Co., c/o R. F. Dylany, general contract 4 story and basement, 120 x 140 ft., brick and stone, Blackberry St. and 5th Ave., to Blair & Mack McKeesport, $323,000. Noted June 11.

Pa., Nazareth—DORMITORY—Poor Directors Northampton Co., 2 story and basement, 27 x 97 ft., with three 32 x 116 ft. wings, brick, plain foundation, to Ochs Constr. Co., 440 Wire St., Allentown, $118,350. Noted June 11.

Pa., Phila.—OFFICE—D. B. Bassett, (owner and archt.), 1520 Locust St., 12 story and basement, 20 x 25 ft., and 40 x 46 ft., brick and steel, plain foundation, 1518-20 Locust St., to F. G. Stewart, 1518 Locust St. Archts. est. $165,000. Noted Feb. 19.

Pa., Upper Darby (Phila. P. O.) — APARTMENT—M. P. Levy, 4 story and basement, 100 x 200 ft., brick, plain foundation, West Chester Rd., and Briefar St., to Boyle-Robertson, 16th and Harvard Sts. N. W., Wash., D. C. Archts. est. $800,000.

Pa., Reading — APARTMENT — W. A. Rigg, Colonial Trust Bldg., 4 story and basement, 60 x 220 ft., brick, to Fink Constr. Co., 658 Pennsylvania St. Archts. est. $330,000. This corrects report in June 18 issue.

La., Baton Rouge — DORMITORIES — University of Louisiana, c/o L. H. Himes, secy., general contract four 2 story, 29 x 197 ft., brick and steel, to Caldwell Bros., 816 Howard Ave., New Orleans, $374,421.

Ky., Covington—HOSPITAL—Salvation Army, 2nd St., Booth Memorial Hospital, 4 story and basement, rein.-con. and brick, plain foundation, to Wortham Constr. Co., Louisville, $350,000.

Minn., Minneapolis — WAREHOUSE — Natl. Tea Co., O. H. Landin, mgr., 1224 Quincy St., general contract 2 story and basement, brick and timber, 3rd Ave. and 29th St., to S. M. Klarquist & Sons, 750 Security Bldg.

Kan., Pittsburg—HOTEL—O. L. Stann et al., Commerce Bldg., general contract, 6 story and basement, rein.-con., brick and stone, Locust and East 4th Sts., to Reyburn Eng. & Constr. Co., Waldheim Bldg., Kansas City, Mo., Archts. Est. $300,000. Noted Mar. 19.

N. D., Fargo—THEATRE—T. F. Powers (owner and contractor) 419 8th St. N., will build 3 story and basement, 72 x 140 ft., rein.-con. and brick, 313 Bway. $150,000.

Mo., Kansas City—APARTMENT HOTEL—J. J. Smolinsky, 4600 Virginia Ave., and P. Minkin, Ridge Arcade Bldg., will build 7 story and basement, 60 x 101 ft., rein.-con., plain foundation, Armour Blvd. and Tracy St., by day labor. Approximately $200,000. De Foe & Besecke, 17th and Baltimore Sts., archts. Noted May 14.

Tex., Laredo — HOTEL — Lyon & associates, 2 story, basement and roof garden, 98 x 100 ft., rein.-con., brick and stone, Hidalgo and San Bernando Aves., to Walsh & Burney, 928 North Flores St., San Antonio, $236,488.

Tex., Lubbock—HOTEL—Lubbock Hotel Co., c/o R. W. Blair, 6 story and basement, 72 x 120 ft., rein.-con., brick and stone, Bway. and Ave. K, to J. E. Johnson Constr. Co., Waco, $249,770. Noted June 4.

Okla., Newkirk — COURT HOUSE — I. Schoonover, clk. Kay Co., general contract 3 story and basement, 95 x 120 ft., brick and stone, plain foundation, Maple St., to Bass & Son, Enid, $169,956. Noted May 28.

Calif., Los Angeles — APARTMENT — Sutherlin, Barry Co., J. E. Sutherlin, pres., general contract 13 story, 100 x 150 ft., Carondolet and 6th Sts., to Schofield Eng. & Constr. Co., Pacific Finance Bldg., $417,000.

Calif., Los Angeles—APARTMENT—M. J. Nayden, 1212 South Serrano St., 14 story and basement, rein.-con., North Cherokee St., to A. T. Hesse, Union Oil Bldg., Los Angeles, approximately $750,000.

Calif., Los Angeles — APARTMENT — Clarendon Apratments, Inc., 1800 North Vine St., 14 story and basement, 98 x 174 ft., rein.-con. and timber, Vine and Yucca Sts., general contract to H. T. Johnson, 340 Bradbury Bldg., Los Angeles. Archts. est. $1,200,000.

Calif., Los Angeles — APARTMENT — Mayo-Wright Properties, Inc., 3981 West 6th St., will build 5 story and basement, 135 x 150 ft., brick and concrete, Wilshire Blvd., by day labor. $450,000.

Calif., Los Angeles—CLUB—Turn Verein Germania, 2 story, 115 x 265 ft., brick and steel, Washington St., to C. J. Kubach, Merchants Natl. Bank Bldg., Los Angeles, $189,135. Noted June 18.

Calif., Los Angeles—HOTEL—Chapman Bros. Co., 3469 West 6th St., 5 story and basement, 105 x 150 ft., concrete and brick, West 6th St., to Gauger Constr. Co., 426 South Spring St., Los Angeles, approximately $300,000.

Calif., Los Angeles — HOTEL — H. C. Fryman, 14 story and basement, 60 x 82 ft., steel, brick and concrete hotel annex Spring and 6th Sts., to Edwards-Wildey-Dixon, Edwards-Wildey Bldg. Los Angeles, approximately $350,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Natick—SCHOOLS—School Com. plans three 1 and 2 story elementary schools. To exceed $150,000. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.)—SCHOOL—City, School House Dept., Boston, having sketches made by C. R. Greco, 11 Beacon St., Boston, 3 story and basement, brick and stone, Kearsarge St. off Warren St., here. $1,200,000.

Mass., Watertown — LIBRARY — C. F. Snow, chn. City Building Com., 62 Langdon Ave., having sketches made by J. D. Leland & Co., 41 Mt. Vernon St., Boston, 2 story, brick branch library, East End Section. $150,000. Noted Feb. 5.

Mass., Worcester — LIBRARY and CHAPEL—Holy Cross College, J. Dinnand, pres. having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, brick and stone library and chapel. $150,000.

W. Va., Bluefield — HIGH SCHOOL — Voted $600,000 bonds for about 3 story high school. Engineer and architect not selected.

O., Cleveland Heights (Warrensville P. O.) — CHURCH, etc. — Grace Lutheran Church, H. W. Bartels, pastor, 1879 East 66th St., Cleveland, having plans prepared by Corbusier, Lenski & Foster, B. F. Keith Bldg., Cleveland, 1 and 2 story, brick and steel church, Sunday school and parish house, Cedar Rd. $250,000.

Mich., Highland Park (Detroit P. O.)—CHURCH—July 9, by Butterfield & Butterfield, archts., Farmington, 2 story and basement, 90 x 90 ft., rein.-con., brick, stone and steel, Joslyn and Eason Aves., here, for St. Paul's Methodist Church. $150,000.

Ill., Kankakee — HIGH SCHOOL — Bd. Educ. takes bids about July 15, 3 story and basement, rein.-con., brick and stone high school. $500,000. L. T. W. Steube, 415 Adams Bldg., Danville, archt. Noted May 21.

Ill., Urbana — COLLEGE — University of Illinois having preliminary plans prepared by C. A. Platt, consult archt., 101 Park Row, New York City, and J. M. White, supervising archt., University of Illinois, rein.-con., brick and stone college buildings, incl. armory $500,000, architec-

Buildings—Educational, Religious
(Continued)

tural department building $500,000, gymnasium $200,000 and library $200,000.

Wis., Madison—CHURCH—First Congregational Church, R. Barstow, pastor, 2103 Van Hise Ave., plans rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Wis., Madison—SCHOOL—Sacred Heart Academy, Sister Mary Grace, 2209 Monroe St., having plans prepared by A. Kelsey, Perry Bldg., Phila., Pa., 3 story and basement, 100 x 150 ft., rein.-con., brick and steel, plain foundation, Monroe St. $500,000.

Minn., Luverne—SCHOOL—Bd. Educ. soon takes bids superstructure for 3 story and basement school; excavation and foundation for same awarded to A. M. Wold Co., Brookings, S. D., $16,297.

Kan., Kansas City—CHURCH, RECTORY and SUNDAY SCHOOL—St. Pauls Episcopal Church, c/o C. W. Nau, pastor, 710 State Ave., having plans prepared by A. K. Moseley, 351 River St., Troy, N. Y., 1 and 2 story and basement, 100 x 225 ft. brick and Bedford stone, plain foundation, 7th St. and State Aves. $150,000 plus.

Mo., Kansas City—SCHOOL—Bd. Educ. had plans prepared by C. A. Smith, 800 Finance Bldg., 3 story and basement, 45 x 50 ft., and 72 x 184 ft., rein.-con., brick and terra cotta school, incl. library and swimming pool.

Tex., Bastrop — HIGH SCHOOL — Ouachita Parish School Bd., c/o Secretary, plans 2 story and basement, 90 x 200 ft., rein.-con., brick and steel high school. $150,000. J. W. Smith, Monroe, archt.

Tex., Brownsville—SCHOOL—Sisters of Incarnate Word, plans Villa Nueva Academy, rein.-con., brick and stone, plain foundation, on 30 acre plot. $300,000. Engineer and architect not selected.

Tex., Childress — HIGH SCHOOL — Bd. Educ., c/o Secretary, having plans prepared by G. S. Calander, Massie Bldg., Amarillo, 2 story, rein.-con., brick and steel high school. $150,000. Noted Feb. 19.

Tex., Dallas—SCHOOL—Dallas Vocational School, c/o C. A. Jay, pres., Chamber of Commerce Bldg., purchased 15 acre site, vocational school, Cedar Springs Rd. and Missouri, Kansas & Texas Ry. $50,000. Engineer and architect not announced.

Tex., Robstown—SCHOOL—Voted $150,000 bonds for school. Engineer and architect not selected.

Tex., San Antonio—SCHOOLS—Election July 16, $300,000 bonds, constructing Junior High School, at South Side, Berkshire and Yorkshire Sts., and remodeling school building. J. W. Tobin, mayor. Engineer and architect not selected.

Tex., San Marcos — SCHOOL — State Building Comn., Austin, S. B. Cowell, chn. State Bd. Control, having plans prepared by Page Bros., Austin Natl. Bank Bldg., Austin, rein.-con., brick and stone school for Southwest Texas State Teachers College, here. $150,000.

Tex., Wichita Falls—HIGH SCHOOL—Voted $500,000 bonds two Junior High Schools, and repaving present building, for Bd. Educ., W. B. Chauncey, pres. Noted June 18.

Okla., Tulsa — HIGH SCHOOLS — Bd. Educ. takes bids in August, Hollywood Junior High School, 3 story and basement, 133 x 215 ft., Owen Park, $350,000; and Northeast Junior High School, 2 story and basement, 115 x 209 ft., Independence and Alabama Sts., $150,000, both rein.-con., brick and stone. Noted June 25.

Colo., Boulder — CHEMISTRY — University of Colorado, having plans prepared by Day & Klauder, Franklin Bank Bldg., Phila., Pa., 3 story and basement, 2 wings each 66 x 105 ft., brick and stone, plain foundation.

Ariz., Phoenix — HIGH SCHOOL — Election soon $150,000 bonds high school for School Bd. Engineer and architect not selected.

Calif., Huntington Beach — HIGH SCHOOL—Huntington Beach High School Dist., having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, fireproof high school buildings. To exceed $300,000. Noted Apr. 2.

Calif., Ione—SCHOOL—State Building Comn., Sacramento, plans state school here. $200,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., San Francisco—HIGH SCHOOL—Yorke Memorial High School, J. E. Power, chn. building comn., plans Central District High School, fireproof, Mission St. $500,000.

Calif., Santa Barbara—SCHOOL—State Building Comn., Sacramento, plans main school building, at State Teachers College, here. $150,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

H. T., Honolulu — COLLEGE — Kamehamelha College having plans prepared by B. D. Goodhue, 2 West 47th St., New York City, N. Y., and C. W. Dickey, 1404 Franklin St., Oakland, Calif., group fireproof college buildings, here. $4,000,000.

BIDS DESIRED

Mass., Lawrence—SCHOOL—City, Supt. Schools, taking bids 2 story and basement, brick and stone, Allen St., Eastern Sec. $150,000. Ashton, Huntress & Alter, 477 Essex St., archts.

Mass., Oak Bluffs—SCHOOL—Town Bd. Selectmen taking bids, 2 story and basement, brick and stone school. $150,000. J. Beals Sons, 185 Devonshire St., Boston, archts.

Mass., Worcester — CHURCH and PARSONAGE — Concordia Lutheran Church Society, c/o Newhall & Blevins, archts., 9 Park St., Boston, taking bids 1 and 2 story and basement, brick and stone, plain foundation, Murray Ave. $150,000. Noted Apr. 16.

Conn., Mianus (mail Cos Cob)—SCHOOL—July 7, by Bd. Educ., 2 story and basement, 62 x 200 ft. school in North Mianus. Coffin & Coffin, 522 5th Ave., New York City, archts.

N. Y., Brooklyn—SCHOOL—July 14, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., P. S. 114, Cronston Ave. from Beach 134th to Beach 135th Sts., for Bd. Educ., 500 Park Ave., New York City.

Pa., Norwood (mail Hoadleys) — CHURCH—July 6, by Richter & Eller, archts., Reading, 1 story, basement and gallery, 50 x 115 ft., stone, church and Sunday school, plain foundation, for Immanuel Lutheran Church.

Pa., Phila.—SCHOOL—July 7, by Bd. Educ., 3 story and basement, 72 x 158 ft., rein.-con. and brick, plain foundation, 17th and Christian Sts. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Williamsport—SCHOOL—July 13, by H. A. Sterner, secy. School Dist., 2 story and basement, 90 x 90 ft., rein.-con., brick and steel addition to Lincoln School. $150,000. F. A. Rianhard, Masonic Temple, archt.

N. C., Durham—COLLEGE—July 14, by H. Trumbauer, archt., Land Title Bldg., Phila., Pa., 1 story and basement, 87 x 98 ft auditorium, 2 story and basement, 138 x 222 ft. Union Building, 2 story, 106 x 139 ft. library, 3 story and basement, 112 x 178 ft. Science Bldg., 2 story and basement, 48 x 178 ft. class room building, with two 33 x 51 ft. wings, 3 story and basement, 56 x 178 ft. apartment house, with 27 x 42 ft. and 27 x 78 ft wings, five 3 story and basement, 56 x 178 ft. dormitories with 27 x 62 ft. wings, here, brick, plain foundations, for Duke University. Noted May 28.

O., Cleveland—CHURCH—E. T. P. Graham, archt., 171 Newbury St., Boston, Mass., and F. S. Fish, associated archt., 6007 Euclid Ave., taking bids 1 story, 60 x 100 ft., brick, steel, concrete and stone, Granger St. for St. James Roman Catholic Church, M. D. Leahy, pastor, 17514 Detroit Ave. $150,000.

Mich., Kalamazoo—CHURCH HOUSE—July 7, by A. Lenderink, chn. Building Com., 608 Kalamazoo Natl. Bank Bldg., 2 story and basement, brick, stone, concrete and steel, West South St. $150,000. Uver-Viehe-Naess Co., Wrigley Bldg., Chicago, Ill., archts.

Ill., Kankakee — HIGH SCHOOL—July 27, at office City Superintendent of Schools, 3 story and basement, rein.-con., brick and stone high school, for Bd. Educ., c/o E. A. Jeffers, pres. L. T. W. Steube, 415 Adams Bldg., Danville, archt.

Mo., St. Louis—CHURCH and RECTORY—Ludewig & Dreisoerner, archts., 3543 Humphrey St., taking bids 1 and 2 story and basement, 50 x 159 ft., granite, brick and concrete, Humphrey St. and Oak Hill Ave., for Holy Family Roman Catholic Parish, J. F. Reuther, pastor, 4129 Humphrey St. $150,000.

Calif., Los Angeles—CHURCH—A. Miller, pastor St. James Episcopal Church, St. Andrews Pl. and Wilshire Blvd., taking bids rein.-con. church, St. Andrews Pl. $150,000. B. McDougall, Pine St., San Francisco, archt.

Calif., Los Angeles—HIGH SCHOOL—July 8, by Bd. Educ., Lafayette Junior High School, 2 story, brick and rein.-con. $150,000.

Calif., Los Angeles—HIGH SCHOOL—July 10, by Bd. Educ., Burroughs Junior High School, 2 story, 24 room main building, with shop, gymnasium, etc., brick and rein.-con. $150,000. F. J. Catton, Los Angeles, archt.

Ont., Pembroke — COLLEGIATE — July 13, by Secretary Bd. Educ., collegiate institute. $150,000. Craig & Madill, 32 Bloor St. W. Toronto, archts.

BIDS RECEIVED

W. Va., Morgantown—HIGH SCHOOLS—Bd. Educ., three 3 story high school buildings, from Baker & Coombs, Morgantown, $644,907. Noted Apr. 31, 1923.

Pa., Wayne — HIGH SCHOOL — School Dept. Radner Twp., E. E. Trout, secy., Junior and Senior High School, 2 story and basement, 105 x 197 ft., from C. McCaul Co., 1713 Sansom St., Phila., $410,400. Noted June 18.

Tex., Austin—RECITATION—State University of Texas, F. J. Mathews, secy. Bd. Regents, 3 story and basement, 83 x 154 ft., rein.-con., brick and stone, on campus, from Walker Constr. Co., Houston Bldg., San Antonio, $316,826. Noted Apr. 30.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., Mt. Vernon Junior High School, brick and concrete, from Salih Bros., Detwiler Bldg., Los Angeles, $291,650. Noted June 11.

CONTRACTS AWARDED

Mass., Billerica — SCHOOL — School Comn., 2 story and basement, brick and stone, Talbot St., to J. P. Foley & Son, 80 Boylston St., Boston. Archts. est. $150,000. Noted June 4.

Mass., Fall River — CHURCH and PARISH HOUSE—Union Methodist Episcopal Church, R. A. Colpitts, pastor, Prospect St., 3 story and basement, brick and stone, plain foundation, to Beattie & Cornell, 33 North Quarry St. Archts. est. $350,000. Noted Apr. 9.

Mass., Pittsfield—PARISH—First Baptist Church, 4 story 76 x 100 ft. brick and stone, South St., to J. R. Hampson & Co., Inc., 184 North St. Archts. est. $175,000. Noted June 11.

R. I., Providence—CONVENT—St. Raymonds Roman Catholic Church, 3 story and basement, brick, plain foundation, 8th St., to Famiglietti Bros., 166 Bway. Archts. est. $150,000. Noted June 11.

N. Y., New York—CHURCH, OFFICE, etc.—Broadway Temple Building Corp., 25 Beaver St., 24 story, brick, steel and stone, 173rd St. and Bway., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn, approximately $4,000,000. Noted Jan. 3.

Pa., McKeesport—CHURCH, etc.—First Methodist Episcopal Church, c/o G. F. Meyers, 1419 Carnegie St., general contract 1½ story and basement, 33 x 110 ft., and 50 x 80 ft., stone, Cornell and Versailles Sts., to E. A. Wehr, Hilaud Bldg., Pittsburgh. Archts. est. $300,000. Noted Apr. 23.

Pa., Phila. — SCHOOL—Hoffman-Henon Co., archts., Finance Bldg., 2 story, 40 x 103 ft., and 63 x 126 ft., stone, plain foundation, Sanger and Jackson Sts., to Murphy-Quigley Co., 1524 Sansom St., for St. Bartholomew Roman Catholic Church, J. J. Scanlon, pastor. Archts. est. $150,000.

Pa., Pittsburgh — HIGH SCHOOL — Bd. Educ., Fulton Bldg., general contract 3 story and basement addition, 5th Ave., to A. Conradis, Martin Bldg., N. S., $352,724; heating and ventilating, to Ryan Heating Co., 53 Tunnel St., $57,690 plumbing, to E. F. Cass Plumbing Co., 140 2nd Ave., $27,253.

Pa., Warren — CHURCH and SUNDAY SCHOOL — First Methodist Episcopal Church, C. T. Greer, pastor, 311 4th Ave., general contract 1 story and basement, 115 x 200 ft., stone, Market and 2nd Sts., to L. O. Bouquin, Oil City. Archts. est. $250,000.

O., Canton — SCHOOL — St. John's Catholic Church, 627 McKinley Ave., 2 story and basement, 63 x 121 ft., brick, steel and concrete, McKinley Ave. N. W., to G. F. S. Melbourne Constr. Co., 151 and 160 Clark Bldg., $150,000.

O., Cincinnati—CHURCH—Hyde Park Methodist Church, Observatory and Grace Aves., 2 story and basement, brick, steel and stone, Observatory Ave., to E. Carson, Loganport, Ind., $450,000. Noted Oct. 23.

O., Dayton — CHURCH — Holy Angels Church, 2 story, rein.-con., and steel, plain foundation, Brown St., to Danis-Hunt Constr. Co., 1st and Wedd Sts., $250,000.

O., Steubenville — HIGH SCHOOL — Bd. Educ., 3 story and basement, Grant Junior High School, 110 x 200 ft., brick and tile, to C. D. Keyser & Co., Bellaire, $361,160. Noted June 4.

Ill., Hinsdale — COLLEGE — Franciscan Fathers of Illinois, c/o M. Strube, 3140 Meramec St., St. Louis, Mo., St. Josephs College, 3 story and basement, 280 x 354 ft., rein.-con., brick and stone, here, to Sternberg Constr. Co., Builders Exch., St. Paul, Minn., approximately $750,000. Noted Apr. 16.

Mo., Kirksville—SCHOOL—Bd. Educ., C. F. Link, secy., general contract Washington and Benton Grade Schools, 2 story and basement, 92 x 130 ft., brick and stone, to J. H. Hunzinger & Co., Davenport, Ia., $147,549; heating and plumbing, to Foley Plumbing & Heating Co., 1002 East 19th St., Kansas City, $25,971. Noted Apr. 9.

Mo., St. Louis—FINE ARTS—Washington University, Forsythe St. and Skinker

Buildings—Educational, Religious
(Continued)

Blvd., 3 story, 59 x 204 ft., granite, Bedford stone, hollow tile and rein.-con., Forsythe St. and Skinker Blvd., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $250,000.

Tex., Midland—HIGH SCHOOL—Owner, c/o J. B. Howe, secy., 3 story, 70 x 140 ft., rein.-con., brick and stone, to J. M. Morgan, Big Spring, $109,000. Noted Feb. 19.

Okla., Tulsa—CHURCH—First Methodist Congregational Church, C. D. Skinner, pastor, general contract, 3 story and basement, 130 x 190 ft., rein.-con., brick and stone, South Boulder St., to G. D. Morrow & Son, Kennedy Bldg., Tulsa. Archts. est. $300,000.

Okla., Tulsa — HIGH SCHOOL — Bd. Educ. general contract Woodrow Wilson Junior High School, 2 story and basement, 128 x 282 ft., rein.-con., brick and stone, 11th and Delaware Sts., to J. W. Wilson, Kennedy Bldg., $174,968; heating, to Knoles & Green, 118 West 3rd St., $45,958. Noted Apr. 9.

Wash., Longview—LIBRARY—Long Bell Lumber Co., 2 story, 70 x 100 ft., granite, terra cotta and brick library, to J. E. Bonnell & Sons, 3310 North 15th St., Tacoma, $150,000.

Federal Government Work

PROPOSED WORK

Ky., Louisville—Wire and Manila Rope—U. S. Engineers Office, Box 72, soon takes bids furnishing and delivering 34,450 ft. ⅞ to 1⅛-in. wire rope, 6 x 19 improved steel, $17,748, and Manila rope, 3 strand, medium lay, $11,555.

BIDS DESIRED

Conn., New Haven—Dredging—July 31, by U. S. Engineers Office, Providence, R. I., dredging in New Haven Harbor; adv. E. N.-R. July 2.

N. Y., Brooklyn—Quarters—Spec. 4937—July 15, at Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters, for officers at Naval Hospital, here. E. Gregory, ch. of Bureau; adv. E. N.-R. July 2.

Ala., Florence—Lock Gates—July 21, at U. S. Engineers Office, structural steel lock gates, incl. fittings, castings, etc. for Dam 1, Tennessee River; adv. E. N.-R. July 2.

Miss., Vicksburg—Levee Work—July 7, at Office Third Mississippi River Dist., Box 404, 175,000 cu.yd. levee work; adv. E. N.-R. July 2.

BIDS RECEIVED

Conn., New London—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., June 25, remodeling and extending post office, here, from G. H. Cooper, 165 Tillary, Brooklyn, N. Y., $19,800. Noted May 28.

S. C., Parris Island—Dredging and Pier Repairs—Spec. 5047—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to pier and dredging at Marine Barracks, here, from Austin Eng. Co., 121 West 42nd St., New York City, $73,497.

California—Road—C. H. Sweetser, dist. engr. Bureau Pub. Rds., 9 Main St., San Francisco, June 16, grading, crushed rock surfacing, etc., 3.71 mi. Yuba Pass Exterior Forest Rd., from C. Harlowe, 378 Belmont St., Oakland, $74,140. Noted June 1.

CONTRACTS AWARDED

D. C., Wash.—Waterworks, etc.—Spec. 5104—Bureau Yards & Docks, Navy Dept., additions to water system at Naval Operating Base, to Pittsburg-Des Moines Steel Co., Virginia Railway & Power Bldg., Richmond, Va., $13,152 (90 days).

La., New Orleans — Incinerator — Treas. Dept. at office Supervising Archt., Wash., D. C., June 18, incinerator at Marine Hospital, here, to H. W. Bond & Bro., New Orleans, La., $1,471. Noted May 21.

Ark., Hot Springs—Addition—Army and Navy General Hospital at office Constructing Quartermaster, general contract addition to mess hall, kitchen, etc., incl. plumbing, to Herman & McCain Constr. Co., Reigler Bldg., Little Rock, $23,157; steam heating to J. K. Lecroy, 318 Jackson St., Hot Springs, $1,175. Noted June 4.

Oregon—Roads—Bureau Pub. Rds., 316 Post Office Bldg., Portland, June 11 and 12, sub-grading 25.5 mi. Whitman National Forest Rd., Grant and Baker Counties, 43,700 cu.yd. crushed rock, to Security Constr. Co., La Grande, $101,485; grading and surfacing 16.15 mi. National Forest Rd., 16 ft., Lincoln Co., to Joplin & Eldin, Portland, $102,870; grading and paving 11.5 mi. Dalles-California Highway, 18 ft., Klamath Co., to G. K. March, 1126 2nd St., $93,520; grading 20 mi. National Park Rd., in Crater National Park,, to Warren Constr. Co., Park Rose, Portland, $259,440. Noted June 4.

Calif., San Diego—Torpedo Storehouse—Spec. 5015A—Bureau Yards & Docks, Navy Dept., Wash., D. C., torpedo storehouse, here, to J. Pringle, 212 Anita Rd., Burlingame, $78,612.

Calif., San Diego—Warhead, Storehouse, etc.—Spec. 5015B—Bureau Yards & Docks, Navy Dept., Wash., D. C., warhead, storehouse, etc., here, to H. H. Peterson, 356 Spreckle Bldg., $38,650 (180 days).

Unclassified

PROPOSED WORK

Park Reservation — Boston, Mass. — City Planning Bd. plans park reservation from World War Memorial Park at Orient Heights (East Boston) to Winthrop boundary Line. $1,000,000. F. H. Fay, chn.

Playground—Dorchester (Boston P. O.) —Street Layingout Dept., Boston, plans reconstructing Athelwold and School Sts., adjoining John Marshall Dist. School, for playground, here. $25,000. J. F. Sullivan, secy.

Tower — Newport, R. I. — City, Park Comn., having plans prepared by R. C. Sturgis, archt., 120 Boylston St., Boston, Mass., concrete and stone war memorial tower, 60 ft. high, in Miantonomi Park. $75,000.

Docks—Minneapolis, Minn.—See "Buildings—Commercial."

Fire Alarm System—Kansas City, Mo.—City, c/o W. B. Buchholz, chn. Fire & Water Bd., City Hall, plans extending automatic fire alarm system, etc. $500,000.

Pipe Line—Texas—Booth Interests, c/o F. A. Hornaday (local representative), 308 Augusta St., San Antonio, having surveys made 125 mi. 14 and 16 ft. gas pipe line from Webb Co. gas fields to San Antonio, 30,000,000 cu.ft. capacity, $2,500,000; and 30 mi. 6 in. or larger line from San Antonio to New Braunfels, connecting with Coma Power Co. plant, $600,000. Hope Eng. & Supply Co., Mount Vernon, O., engrs.

Brick Plant — Abilene, Tex. — Abilene Press Brick Co., soon takes bids plant addition, 26,000 brick per day capacity. $50,000. Private plans.

Brick Plant—Crystal City, Tex.—G. C. Jackson, et al, Eagle Pass, plans brick plant. $60,000. Engineer not selected.

Gas Line—Longview, Tex.—W. H. Morefield, Tyler, plans about 60 mi. gas line extension from Waskom gas fields to Longview. $650,000. Private plans.

Gas Pipe Line—Tyler, Tex.—W. H. Sedberry & associates making plans natural gas pipe line from Waskom Fields to Tyler. $75,000 or more.

Swimming Pool—Wynne Wood, Okla.—See "Waterworks."

Athletic Field, etc.—Phoenix, Ariz.—Election soon $150,000 bonds, athletic field and playground, for School Bd. Engineer not selected.

Park Improvements—Inglewood, Calif.—Plans election $100,000 bonds, park improvements.

Grand Stands, etc.—Sacramento, Calif.—State of California, plans state fair grounds and grandstand. $200,000. B. G. McDougall, Forum Bldg., state archt.

Power Lines—Ontario—Ontario Hydro Power Comn., University Ave., Toronto, plans extending power lines from Mitchell to Monkton, also power and lighting system, in Monkton. $40,000. A. Beck, London, chn.

Casino and Race Track—Mexico City, Mexico—L. Kuttner, L. Morris, et al., c/o M. O'Brien, archt., Nevada Bank Bldg., San Francisco, plan casino resort and race track, here. $2,500,000.

BIDS DESIRED

Heating, etc.—Iroquois, N. Y.—July 14, by F. R. Utter, supt. Purchase, Capitol, Albany, heating work, new boiler and alterations to power plant at Thomas Indian School, here; adv. E. N.-R. July 2.

Subway—New York, N. Y.—July 3, by Bd. Transportation, 49 Lafayette St., constructing Sect. 4, Route 78, along and under St. Nicholas Ave. from 133rd to West 141st Sts., Manhattan. J. H. Delaney, chn.

Subway—New York, N. Y.—July 10, by Bd. Transportation, 49 Lafayette St., constructing Sect. 6, Route 78, along and under St. Nicholas Ave. and Bway. from West 160th to West 173rd Sts.; and altering Manhattan-Bronx subway to permit widening of 4th Ave. between East 9th and East 12th Sts. and between East 17th and East 32nd Sts., Manhattan. G. A. Delaney, chn.

Heating, etc.—Ray Brook, N. Y.—July 14, by H. R. Utter, supt. Purchase, Capitol, Albany, heating, underground steam conduit, etc., for New York State Hospital for Treatment of Incipient Pulmonary Tuberculosis, here; adv. E. N.-R. July 2.

Street Lighting—West Palm Beach, Fla.—July 8, by City Comn., about 20 mi. ornamental street lighting extensions. T. B. Henry, city engr.; adv. E. N.-R. July 2.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing Route 78, Sect 2-A, along Central Park West and 8th Ave. from 101st to 111th Sts., to Rosenthal Eng. & Contg. Co., Prospect Ave. and 189th St., $5,123,000. Noted June 25.

Ice Skating Arena — Los Angeles, Calif.—C. R. Selkirk, archt., Amer. Bank Bldg., taking bids ice skating arena, timber and steel, Vermont Ave., for Interests represented by J. O. Allen, Commercial Exchange Bldg. $200,000.

Cribwork, etc.—Oshawa, Ont.—July 14, by S. E. O'Brien, secy., Dept. Pub. Wks., Ottawa, harbor improvements, incl. cribwork reconstruction, general repairs, close-pile protection, close-pile retaining wall, here. $135,000.

Pier—Port Burwell, Ont.—July 7, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, reconstructing 772.5 ft. of East Pier, here. $100,000.

CONTRACTS AWARDED

Swimming Pool — Springfield, Mass. — Springfield Boys Club, Chestnut St., 2 story, 60 x 80 ft., rein.-con. and brick swimming pool, Chestnut St., to W. W. Davis, 97 Bellevue Ave.

Stadium — Oberlin, O. — Oberlin College, rein.-con. stadium, 3,500 seating capacity, to Van Blarcom Co., Natl. City Bldg., Cleveland, $50,000. Noted Jan. 8.

Grandstand—West Allis, Wis.—J. D. Jones, comr. Agriculture, Madison, rein.-con. addition to grandstand at State Fair Park, here, to Dreyer Constr. Co., 1008 6th St., Milwaukee, $100,926. Noted June 25.

Grain Elevator—St. Louis, Mo.—Wiggins Ferry Co., 18th and Market Sts., will build grain elevator, rein.-con., 1741-47 North Wharf St., by day labor under supervision of R. C. Stone Eng. Co., engrs., Merchants Exch. Bldg. $50,000.

Storage Tanks—Texas—Texas Co., Port Arthur, four 37,000 bbl. steel plate storage tanks, at Port Arthur, three 55,000 bbl. tanks at Port Nechez, 64,000 and 34,000 bbl. tanks at Nederland, to Petroleum Iron Wks., Sharon, Pa.

Heating—Tulsa, Okla.—See "Buildings—Educational, Religious."

Lighting System—Beverly Hills, Calif.—Ornamental lighting system on Wilshire Blvd., etc., to Underground Constr. Co., 517 South Bway., Pasadena, $80,825; LaCiegna Ave., etc., to Los Angeles Electric Wks., 1128 South Los Angeles St., Los Angeles, $25,925.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Main St. between Florence and Manchester Sts., to Newbury Electric Co., 726 South Olive St., $34,928.

Materials

PROPOSED WORK

Electric Machinery—New Braunfels, Tex.—Comal Power Co. of San Antonio, a subsidiary of San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio, plans to purchase additional electric machinery for power plant (now under construction), near here. $1,000,000. E. H. Kifer, genl. mgr.

BIDS DESIRED

Concrete—New York—July 14, by A. W. Brandt, comr. Highways, Albany, 2,000 tons mixed asphalt concrete, Contr. 9; adv. E. N.-R. July 2.

Pipe, etc.—New York, N. Y.—July 20, by J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing, delivering, unloading, storing, and stacking c. i. pipe, special and valve box castings, valves and double nozzle fire hydrants to Dept. Water Supply, Gas & Electricity. J. E. Bowe, comr.

Rails, etc.—New York, N. Y.—July 3, by Bd. Transportation, 49 Lafayette St., rails, frogs, switches, etc. for Westchester Ave. Yard Approach. J. A. Delaney, chn.

Sand, etc.—Lancaster, Pa.—July 6, at office S. Shissler, city controller, City Hall, 3 carloads of filter bedsand, and sulphate of Alumina, f. o. b. filter bed siding. Adv. E. N.-R. July 2.

BIDS RECEIVED

Paving Blocks—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 23, 15,000 granite paving block to Highway Dept., from Terminal Supply Co., 350 Madison Ave., New York City, $2,168. Noted June 18.

CONTRACTS AWARDED

Sand, etc.—Minneapolis, Minn.—F. S. Gram, city purch. agt., to Gopher Stone Co., 1500 Johnson St., 32,000 cu.yd. sand at $1.10 per cu.yd., and 25,000 cu.yd. crushed rock or gravel $2.25. Noted May 28.

CONSTRUCTION NEWS

Engineering News-Record, July 9, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Power plant, Wetumpka, Ala., Alabama Power Co. plans new hydro-electric power plant, $13,000,000.

Theatre, Washington, D. C., Rapp & Rapp preparing plans for theatre, $4,000,000.

Club, Pittsburgh, Pa., Keystone Athletic Club having plans prepared, $3,000,000.

Transmission line, California, Great Western Power Co. plans 104 mi., $2,750,000.

Office and theatre, San Francisco, Calif., Marian Realty Co. having plans prepared, $2,500,000.

Office, St. Louis, Mo., Real Estate Trust Co. having plans prepared, $1,500,000.

Apartment, Pittsburgh, Pa., J. M. Donn plans building, $1,000,000.

Apartment, Boston, Mass., Carlin & Cherney having plans prepared, $1,000,000.

Wharf, Berkeley, Calif., Golden Gate Ferry Co. plans wharf and two ferry slips, $1,000,000.

Bids Wanted On Big Jobs

Dispensary, Baltimore, Md., July 21, Johns Hopkins University, $8,500,000.

Plant, East Somerville, Mass., Ford Motor Car Co., July 10, $4,000,000.

Hotel, Boston, Mass., Statler Hotel Co. soon takes bids, $4,000,000.

Hospital, Philadelphia, Pa., Dept. of Health, July 21, $4,000,000.

Bascule bridge, Chicago, Ill., Sanitary District of Chicago soon takes bids, $1,500,000.

Reservoir, St. Louis, Mo., City soon takes bids, $1,500,000.

Dredging, Chicago, Ill., Sanitary District of Chicago takes bids in August, $1,000,000.

Recreation pier, St. Petersburg, Fla., Aug. 1, City takes bids, $1,000,000.

Large Contracts Let During Week

Temple, Dayton, Ohio., Dayton Masons to H. R. Blagg, $2,000,000.

Temple, Philadelphia, Pa., Ancient Accepted Scottish Rite of Free Masonry to G. A. Fuller Co., $1,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
July 10	Baldwin, N. Y.	July 9
July 10	Amherst, Va.	July 9
July 13	Covington, Ky.	June 25
July 13	Kingsford, Mich.	July 9
July 14	Woodstock, Va.	June 25
July 14	Montgomery, Minn.	July 9
July 14	Wynne Wood, Okla.	July 9
July 14	St. Paul, Minn.	July 9
July 15	Baldwin, N. Y.	July 9
July 16	Yreka, Calif.	July 9
July 19	Selma, Ala.	July 9
	Adv. July 9.	
July 20	Oakland, Calif.	June 4
July 20	Hernando, Miss.	July 9
July 20	Downers Grove, Ill.	July 9
July 20	New York, N. Y.	July 9
July 21	Lansing, Ill.	July 2
July 21	Burlington, Ia.	July 9
	Adv. July 9.	
July 21	Eugene, Ore.	July 9
	Adv. July 9.	
July 22	Calallen, Tex.	July 2
	Adv. July 2 and 9.	
July 27	Omaha, Neb.	June 25
July 27	Bradenton, Fla.	July 9
	Adv. July 2 and 9.	
July 27	Omaha, Neb.	July 9
July 28	Leesville, S. C.	June 25
Aug. 4	St. Louis, Mo.	July 9
	Adv. July 9.	
Sept. 4	Oakland, Calif.	July 9
	SEWERS	
July 10	Salisbury, Md.	July 2
July 13	Chippewa Lake, O.	July 2
July 13	Clayton, Mo.	July 9
July 13	Sturgis, Mich.	July 9
July 14	Villisca, Ia.	July 2
July 14	Phila., Pa.	July 9
July 14	Long Island City, N. Y.	July 9
July 15	Chicago, Ill.	July 9
July 15	Baltimore, Md.	July 9
July 15	Cleveland, O.	July 9
July 16	New York, N. Y.	July 9
July 16	Milwaukee, Wis.	July 9
July 17	Camden, N. J.	July 9
	Adv. July 2 and 9.	
July 18	Columbus, O.	July 9
July 20	Fairview, O.	July 9
July 20	San Luis Obispo, Calif.	July 9
July 21	Puntagordo, Fla.	July 2
	Adv. July 9.	
July 21	Illinois	July 9
July 22	Grand Rapids, Mich.	July 2
	Adv. July 2 and 9.	
July 23	Kansas City, Mo.	July 9
	Adv. July 9.	
July 27	Bradenton, Fla.	July 9
	Adv. July 2 and 9.	
July 28	Louisville, Ky.	July 9
	Adv. July 9.	
July 28	Leesville, S. C.	June 25
Aug. 1	Chicago, Ill.	July 9
Aug. 4	Paducah, Ky.	July 9
	Adv. July 9.	
Aug. 18	Lynn, Mass.	July 9
	Adv. July 9.	
	BRIDGES	
July 13	Perth Amboy, N. J.	July 2
	Adv. July 2 and 9.	
July 13	Atherly, Ont.	July 9
July 14	Washington	June 25
July 14	Auburn, N. Y.	July 2
July 14	Rock Rift, N. Y.	July 2
	Adv. July 2 and 9.	
July 14	Holyoke, Mass.	July 9
July 20	Manitowoc, Wis.	July 2
July 20	Welland, Ont.	July 2
July 20	Ontario	July 9
July 21	Media, Pa.	July 9
	Adv. July 9.	
July 22	San Francisco, Calif.	July 2
July 27	New Jersey	July 9
	Adv. July 9.	
July 28	Merced, Calif.	July 2
Aug. 5	Roach (mail Salt Rock), W. Va.	July 9
	Adv. July 9.	
	DAMS	
July 21	Yonkers, N. Y.	July 9
	Adv. July 2 and 9.	
July 25	Pulaski	July 9
July 27	San Antonio, Tex.	July 2
	Adv. July 2 and 9.	
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
July 15	Brooklyn, N. Y.	July 9
July 15	Coney Island (Brooklyn P. O.), N. Y.	July 9
July 21	Venice, Calif.	July 9
July 22	Canisteo, N. Y.	July 9
	Adv. July 2 and 9.	
	STREETS AND ROADS	
July 10	Cincinnati, O.	July 2
July 10	New Philadelphia, O.	July 2
July 10	Albion, Ind.	July 9
July 10	Brazil, Ind.	July 9
July 10	Fowler, Ind.	July 9
July 10	Greensburg, Ind.	July 9
July 10	Paoli, Ind.	July 9
July 10	Plymouth, Ind.	July 9
July 10	Princeton, Ind.	July 9
July 10	New Hampshire	July 9
July 10	East St. Louis, Ill.	July 9
July 11	Ontario	July 9
July 12	Mason, Ill.	July 9
July 13	Mississippi	July 9
July 13	Kentucky	June 18
July 13	Akron, O.	July 2
July 13	Evansville, Ind.	July 9
July 13	Ontario	July 9
July 13	Detroit, Mich.	July 9
July 13	Dunnville, Ont.	July 9
July 14	Worthington, Minn.	June 25
July 14	St. Louis, Mo.	June 25
July 14	Washington	June 25
July 14	Durham, N. C.	July 2
July 14	Gonzales, Tex.	July 2
July 14	Lambertsville, N. J.	July 2
July 14	North Dakota	July 2
July 14	Yazoo City, Miss.	July 2
July 14	Indiana	July 9
July 14	West View, Pa.	July 9
July 14	Denver, Colo.	July 9
July 14	Grand Rapids, Mich.	July 9
July 14	Oklahoma	July 9
July 14	Little Rock, Ark.	July 9
July 14	St. Paul, Minn.	July 9
July 14	Columbus, O.	July 9
July 15	North Dakota	July 9
July 15	New York	June 25
	Adv. June 25 to July 9.	
July 15	Phila., Pa.	June 25
	Adv. June 11 to July 9.	
July 15	Anderson, Ind.	July 9
July 15	Batavia, Ill.	July 9
July 15	Willmar, Minn.	July 9
July 15	Nevada	July 9
July 15	Marked Tree, Ark.	July 9
July 15	Brooklyn, N. Y.	July 9
July 16	Louisiana	July 2
July 16	Charleston, S. C.	July 9
July 16	North Dakota	July 9
July 16	Denver, Colo.	July 9
July 17	Akron, O.	July 9
July 17	North Dakota	July 9
July 17	Williamsport, Pa.	July 9
July 17	Faribault, Minn.	June 25
July 17	Michigan	July 2
July 17	Anson, Tex.	July 9
July 17	Clebourne, Tex.	July 9
July 17	Murray, Ky.	July 9
July 20	California	July 9
July 20	Moultrie, Ga.	July 9
July 20	New Jersey	July 9
	Adv. July 2 and 9.	
July 20	New York	July 9
	Adv. July 2 and 9.	
July 20	Patton, Pa.	July 9
July 21	Florida	July 2
July 21	North Carolina	July 2
July 21	Louisiana	July 9
July 21	North Carolina	July 9
	Adv. July 9.	
July 21	Minnesota	July 9
July 22	Franklinton, La.	July 9
July 23	Louisiana	July 9
July 24	Pennsylvania	July 9
	Adv. July 9.	
July 24	Olean, N. Y.	July 9
	Adv. July 9.	
July 27	Sacramento, Calif.	July 9
July 27	Kansas City, Kan.	July 9
July 27	New Jersey	July 9
	Adv. July 9.	
July 30	Chicasha, Okla.	July 9
July 30	New Jersey	July 9
	Adv. July 9.	
Aug. 1	Birmingham, Ala.	June 25
Aug. 3	Pineville, W. Va.	July 9
	Adv. July 9.	
Aug. 9	Chickasha, Okla.	July 9
Aug. 11	Clayton, Mo.	July 9
Sept. 22	New Orleans, La.	July 2
Sept. 24	New Orleans, La.	July 2

Bids Close — See Eng. News-Record

BUILDINGS INDUSTRIAL

July 13 Brooklyn, N. Y. .....July 9
July 17 Cleveland, O. .....July 9
July 27 Bradenton, Fla. .....July 9
Adv. July 2 and 9.

BUILDINGS—COMMERCIAL

July 10 Hanover, Pa. .....July 2
July 10 Lansdowne, Pa.....July 9
July 13 Johnstown, Pa. .....June 18
July 14 Phila., Pa. .....Feb. 19
July 14 Dover, N. J.....July 9
July 15 Brooklyn, N. Y. .....May 21
July 15 Houston, Tex. .....July 2
July 21 Ithaca, N. Y.....July 2
Adv. June 25 to July 9.
July 21 Baltimore, Md.....July 9
July 21 Phila., Pa.....July 9
July 22 New York, N. Y. .....July 9
July 22 Urbana, Ill. .....July 9
July 25 Grand Island, Neb. .....July 9
July 28 Buffalo, N. Y. .....July 9
Adv. July 9.

BUILDINGS—EDUCATIONAL, RELIGIOUS

July 10 South Boston (Boston P. O.) Mass. .....July 9
July 13 Pembroke, Ont. .....July 2
July 13 Williamsport, Pa. .....July 2
July 14 Durham, N. C.....July 2
July 14 Long Island City, N. Y. ...July 9
July 15 Los Angeles, Calif. .....July 9
July 16 Buffalo, N. Y. .....June 25
July 16 Sunnyvale, Calif. .....July 9
July 16 Omaha, Neb. .....July 9
July 20 Waverly, Ia. .....July 9
July 20 Cedarburg, Wis. .....July 9
July 21 Savannah, Ga. .....July 9
July 22 New York, N. Y. .....July 9
July 23 Phila., Pa. .....July 9
July 27 Kankakee, Ill.....July 2

FEDERAL GOVERNMENT WORK

July 10 Elevator, etc.—Wash. D. C. July 9
July 10 Post Office—Franklin, Pa..June 11
July 13 Post Office—Walden, N. Y.June 18
July 15 Embankment—Memphis, Tenn. .....June 25
July 15 Quarters—Brooklyn, N. Y. July 2
July 15 Sheet Iron, etc.—Wash., D. C. .....July 9
July 20 Crane—Florence, Ala.....June 11
Adv. June 11 to July 9.
July 21 Lock Gates—Florence, Ala. July 2
Adv. June 25 to July 9.
July 24 Post Office—Fallon, Nev..July 9
Adv. July 2 and 9.
July 27 Post Office—Bloomington, Ill. .....July 9
Adv. July 9.
July 28 Post Office—Sandpoint, Idaho .....July 9
Adv. July 2 and 9.
July 29 Roads—Red Bluff, Calif...July 9
Adv. July 9.
July 29 Hospital—Canacao, P. I....May 21
July 31 Dredging—New Haven, Conn. .....July 2
Adv. July 2 and 9.
July 31 Waterworks—Wash., D. C..July 9
Adv. July 9.
Aug. 3 Wicket Iron, etc.—Louisville, Ky. .....July 9
Adv. July 9.
Aug. 4 Hospital—Hot Springs, S. D. .....June 25
Adv. July 2 and 9.
Aug. 5 Dredging—Baltimore, Md...July 9
Adv. July 9.
Aug. 6 Dredging—Boston, Mass...July 9
Adv. July 2 and 9.

UNCLASSIFIED

July 10 Subway—New York, N. Y. July 2
July 14 Cribwork—Oshawa, Ont....July 2
July 14 Heating, etc.—Ray Brook N. Y. .....July 2
Adv. July 2 and 9.
July 14 Heating, etc.—Iroquois, N. Y. .....July 2
Adv. July 2 and 9.
July 17 Borings—New York, N. Y. .....July 9
July 21 Retaining Walls—Yonkers, N. Y. .....July 9
Adv. July 9.
Aug. 1 Recreation Pier, etc.—St. Petersburg, Fla .....July 9
Aug. 10 Electric Capstans, etc.—Napier, New Zealand .....June 25

MATERIALS

July 14 Concrete, etc.—New York..July 2
Adv. July 2 and 9.
July 14 Rock Asphalt—New York, N. Y. .....July 9
July 14 Cement—St. Paul, Minn...July 9
July 16 Wire Cable—Sacramento, Calif. .....July 9
July 20 Pipe—New York, N. Y....July 2

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Ansonia—Fountain Water Co., 21 French St., plans 700 ft. 6 in. mains through Holbrook Pl. from Holbrook to Franklin Sts., also 12 in. main across Naugatuck River to connect with East Side system. To exceed $25,000.

Mo., Buffalo—Election July 20, $40,000 bonds, deep well, tank on tower, pumping equipment and mains in various streets. Russell & Axon, McDaniel Bldg., engrs.

Mo., Portageville—Election July 8, $40,000 bonds waterworks and distribution system. A. C. Moore, 4th and Duquesne Sts., Joplin, engr.

Tex., Port Arthur—Soon takes bids materials for earth reservoir and about 4 mi. 18 in. c.i. pipe line from end of supply canal to proposed filtration plant, $200,000 or more. Work will be done by day labor. J. O. Herpin, Port Arthur, engr. Noted July 2.

Tex., Waco — Making preliminary plans damming Bosque River, near here, and gravity line from Lake Bosque to Filter Plant. Lake covers 8 acres land and impounds 30,225,000,000 gal. water. $1,000,000. V. Koch, city engr.

Okla., Okmulgee—Election July 14, $1,000,000 bonds, new reservoir on Salt Creek and 3 mi. 24 in. mains. Holway Eng. Co., Wright Bldg., Tulsa, engrs. Noted June 4.

Ont., Niagara Falls—Waterworks Comn., plans filtration plant. T. S. Scott, City Hall, engr.

Ont., South Porcupine — Tisdale Twp., F. C. Evans, clk., soon takes bids one 600 g.p.m. electrical centrifugal pump, and one 1,000 g.p.m. gasoline driven centrifugal pump, for waterworks system. $10,000. Sutcliff & Co. New Liskeard, engrs.

B. C., Vancouver — City Council takes bids about July 20th, about 12 mi. 36 in. mains in various streets. $300,000. C. Brackenridge, City Hall, engr.

BIDS DESIRED

N. Y., Baldwin—July 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, steam pipe, etc. at Milburn Pumping Station, here.

N. Y., Baldwin—July 15, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, two 20 m.g. turbine driven centrifugal pumps at Milburn pumping station.

N. Y., Brooklyn—July 7, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Elmore Pl., Kings Highway, Barren Island, Alabama, Autumn, Fillmore, New Jersey, Nostrand, Rochester, Schenectady, 3rd and 21st Aves., Avenues M and S, Elton, Kimball, 58th, 62nd, 63rd, 93rd, East 36th, West 5th, 8th, 11th, 12th, Beach and 44th Sts., here.

N. Y., New York—July 20, by J. E. Bowe, comr. Purchase, Municipal Bldg., c.i. pipe, special and value box castings, etc., to Dept. Water Supply, Gas & Electricity.

Va., Amherst—July 10, by P. R. Evans, mayor, and Town Council, new waterworks.

Fla., Bradenton — July 27, by City, c/o R. K. Van Camp, comr. Pub. Wks., 250,000 gal. elevated tank, c.i. mains, etc. E. V. Camp & associates, Atlanta, Ga., Bartow, and Jacksonville, consult. engrs.; adv. E. N.-R. July 9.

Ala., Selma — July 19, by Waterworks Comn., R. Coleman, mgr., iron removal plant; Contr. 1; filter equipment, Contr. 2, and elevated steel tank, Contr. 3. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. July 9.

Miss., Hernando — July 20, by S. W. Eason, city clk., waterworks, incl. galvanized iron and cast iron pipes, valves, gates, 50,000 gal. tank on tower, etc. Noted June 4.

O., Columbus—See "Streets and Roads."

Mich., Kingsford—July 13, by W. Seiler, village mgr., 1,400 ft. 6 in. and 4,200 ft. 4 in. c.i. pipe, 5,000 lbs. lead, ten 4 in. fire hydrants, two 6 in. and five 4 in. valves, 10 c.i. valve boxes.

Ill., Downers Grove—July 20, by C. M. Hitch, city clk., 1 m.g. circular rein.-con. reservoir.

Ia., Burlington — July 21, by Citizens Water Co., steel stand pipe 65 ft. high, and 50 ft. diam. on steel foundation, and small pump house. Alvord, Burdick & Howson, Chicago, Ill., consult. engrs.; adv. E. N.-R. July 7.

Minn., Montgomery—July 14, by F. J. Busta, city clk., 105,000 gal. rein.-con. reservoir.

Minn., St. Paul — July 14, by A. E. Eggert, city purch. agt., one 36 in. hub and nut operated, non rising stem horizontal gate valve. G. M. Shepard, city engr.

Neb., Omaha—July 27, by Metropolitan Utilities Dist., approximately 21,970 ft. 48 in. and 2,556 ft. 36 in mains in various streets. T. A. Leisen, genl. mgr.

Mo., St. Louis — Aug. 4th, at office Bd. Pub. Serv 208 City Hall, covered reservoir, Olive St. and Old Bonhomme Rds.; adv. E. N.-R. July 9.

Tex., Port Arthur—Taking bids filtration plant handling 5 m.g. daily of Neches River water. $200,000. J. P. Logan, mayor.

Tex., San Antonio—Taking bids 60 x 100 ft concrete and steel elevated water tank, 1 m.g. capacity. $200,000. A. Hazen, 25 West 43rd St., New York City, superv. engr. Noted June 25.

Okla., Wynne Wood—July 14, by M. H. Deal, city clk., new natatorium and 3 mi. 6 in. mains. $35,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted July 2.

Ore., Eugene—July 21, at office Eugene Water Bd., C. A. McClain, secy., constructing McKenzie River Water Supply Project and improving waterworks, here. Stevens & Koon, Spalding Bldg., Portland, consult. engrs.; adv. E. N.-R. July 9.

Calif., Oakland—Sept. 4 (extended date) by East Bay Municipal Utility Dist., Ray Bldg., 1924 Bdway, dam to impound Mokelumne River, near Lancha Plana, aqueduct of tunnels, pumping plant, etc. Noted June 4.

Calif., Yreka—July 16, by U. F. Brown, city clk., 3,840 ft. 10 in., 14-gauge double riveted dipped and soil proof pipe for Dayton couplings, one hundred thirty-six 10 in., two 6 in. and four 8 in. Dayton couplings, one 6-in. flanged gate valve F and D with volts, etc., f.o.b. Yreka.

BIDS RECEIVED

Conn., Hartford — Bd. Water Comrs. Municipal Bldg., 9 m.g. covered filtered water reservoir and appurtenances, from O'Neil Bros., 22 Preston St., $210,980. Noted June 11.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., June 29, mains, etc. in St. Nicholas, 7th and 8th Aves., East 135th, West 135th and 150th Sts., and St. Nicholas Park, from Wataga Contg. Co., 308 Lenox Ave., $92,300. Noted June 25.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, June 30, Contr. 738, 16 and 24 in. c.i. mains, and Contr. 763, 6, 8, and 12 in. c.i. mains, from P. and A. J. Ellis, 4th St. below Wyoming Ave., $343,795 and $331,350 respectively; Contr. 739, power equipment for Queen Lane extension, Divs. A and D, from General Electric Co., Witherspoon Bldg., $49,338 and $67,260 respectively, Div. B, from Wheeler Mfg. Co., 18th and Lehigh Sts. $14,735, Div. C, from W. K. Mitchell, 2940 Ellsworth St. $80,750, Div. E, from Badenhausen Corp., 1011 Chestnut St. $16,740, Div. F, from Keystone Piping & Equipment Co., 2849 Germantown Ave., $124,854; Contr. 761, removing and relaying 48 in. pipe line, from Craven Co., 4 South 15th St., $13,733; Contr. 762, 6 and 8 in. c.i. mains, from M. and J. B. McHugh, 892 North Markos St., $132,639.

O., Cleveland—Cuyahoga Co., mains in Snow Rd., Impvt. 65B, from M. Stein & Co., 810 Eddy Rd., $19,643. Noted June 18.

Tex., Goree—Waterworks improvements, incl. 15 ft. diam. well, 50,000 gal. steel tank on 100 ft. tower, etc., from R. Irick, Plainview, $28,497. Engrs. est. $35,000. Noted May 21.

CONTRACTS AWARDED

O., Cleveland—Cuyahoga Co., mains in Lee and Harvard Rds., to Hanna & Michael Co., 2457 East 55th St., $16,220. Noted June 11.

Ill., Springfield—City Comrs., one 4 m.g. and three 6 m.g. motor driven centrifugal pumps, to Amer. Well Wks. Co. 38 South Dearborn St., Chicago, $17,660. Noted June 4.

Minn., Montgomery — City, 13,600 lin.ft. 6 in. c.i. mains etc. in various streets, to Woodrich Constr. Co., 1141 Metropolitan Life Bldg., Minneapolis, $21,000. Noted June 11.

Tex., Port Arthur—See "Proposed Work."

Tex., San Antonio — City Water Wks., City Hall, 6,600 ft. 20 in. c.i. pipe, to U. S. Cast Iron Pipe Co., Amer. Trust Bldg., Birmingham, Ala., approximately $30,000.

Calif., Redwood City—Rein.-con. reservoir with rein.-con. roof, to Rocca & Caletti, 609 C St., San Rafael, $21,300. Noted July 2.

Ont., Windsor — Essex Border Utilities Comn., pipe line, to Merlo, Merlo & Ray, Sandwich St., Ford City, $35,289; small valves, to Kerr Engine Co., Walkerville, $1,161; and large valves, to Francis Hankin Co., 598 Union St., Montreal, $7,339. Grand total $43,789. Noted June 4.

Sewers

PROPOSED WORK

Mass., Medford (br. of Boston) — Bd. Aldermen appropriated $100,000, new sewerage works in various streets.

R. I., Providence—Plans sewerage works in Cyr, Jastram and Nelson Sts., Grosvenor and Merino Aves. $25,000. J. B. Ballard, chn. Com. on Sewers, Pub. Wks. Dept.

Conn., Niantic — State National Guard, Hartford, plans sewerage system at military camp, here. $25,000 appropriated.

O., Columbus—Making plans 2,505 ft. 6- to 18-in. sanitary sewers, etc., in Hamilton Ave., $18,162; 2,230 ft. 6- to 18-in. sanitary sewer, etc., in Margaret Ave., $6,354. R. H. Simpson, city engr.

O., Columbus—See "Streets and Roads."

Mich., Royal Oak—Plans 3,283 ft. 8 in. vitr. sewer in Lateral Sanitary Dist. 55, also 4,512 ft. in Lateral Sanitary Sewer 53. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave. takes bids about July 10, North Side Sewage Treatment Project, incl. operating galleries, meters, valves, etc., $325,000; about Aug. 15, preliminary settling tanks and grit chambers, $625,000; about Oct. 1, pumping station, equipment, etc., $3,000,000, and North Side Sewer, Contr. 2, $710,000. E. J. Kelly, ch. engr.

Ill., Galesburg—Galesburg Sanitary Dist., L. Weinberg, pres., made preliminary surveys sewage disposal plant, sewers, laterals, etc., to increase handling capacity of floods in Cedar Fork Creek. $500,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ill., Springfield — Springfield Sanitary Dist. making plans trunk lines, laterals, etc., west side interceptor of Springfield Sanitary Dist., covering 36 sq.mi. $750,000. Dawson & Walraven, 322½ South 6th St., engrs. Pearse, Hanson & Greeley, 6 North Michigan Ave., Chicago, consult. engrs.

Ill., Venice — Soon takes bids sanitary sewerage system, incl. pumping plant on Mississippi River. $250,000. Shepard & Morgan, Edwardsville, engrs. Noted Apr. 2.

Calif., Los Angeles—Election July 20th, $103,000 bonds, sewers in Impvt. Dist. 38, between Burbank and Griffith Park.

Calif., Los Angeles—Plans laying 8- to 24-in. vitr. sewers in Van Ness Ave., cement sewer in 63rd St. and in Ellenwood Dr. To exceed $25,000. H. A. Van Norman, City Hall, engr.

Ont., Ford—Plans sewers in Franklin St. and Labadie Rd. $62,000. J. F. Foster, City Hall, engr.

Ont., North Bay—Making plans sanitary sewers, etc., in Chippawa, Morin and Douglas Sts., 2nd and 4th Aves. $35,000. F. G. Mackie, City Hall, engr. Noted Feb. 7, 1924.

Ont., Toronto—East York Twp. making plans 3,500 ft. vitr. tile and concrete sewer in Broadview Ave. $45,378. G. R. Jack, Sammon Ave. Municipal Yard, engr.

Ont., Toronto—York Twp. plans 1,400 ft. 8 in. and larger rein.-con. and vitr. sanitary and storm sewers in Northcliff Blvd., Earlsdale and Seneca Aves., Weston and Avon Roads. $75,000. F. B. Goedike, 40 Jarvis St., engr.

B. C., Vancouver—Takes bids about July 29, installing sewers in various streets. $200,000. C. Brackenridge, City Hall, engr.

BIDS DESIRED

Mass., Lynn—Aug. 18, by Comn. Ways & Drainage, at office Purchasing Agent and City Engineer, City Hall, sewage pumping equipment complete, with all auxiliaries. Morris Knowles, Inc., engrs.; adv. E. N.-R. July 9.

N. Y., Long Island City—July 14, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., storm sewers in Baisley Blvd. and Edgewater Lane; sewers in Herbert, 163rd (23rd) 157th (17th) 192nd, 193rd, 194th and 196th Sts., Northern and Cross Island Blvds., Sinclair, Metz and Sanford Aves., 42nd Ave. from 192nd St. to Cross Island Blvd., 42nd Ave. from 196th St. to Cross Island Blvd., and 42nd Ave. from Cross Island Blvd. to 201st St.

N. Y., New York—July 16, by H. Bruckner, pres. Bronx Boro, sewers in River, Fenton, Waring, Cromwell, Grace and Underhill Aves., Wilkinson Ave. from Eastern Blvd. to Westchester Ave., and Wilkinson Ave. from Mayflower to Hobart Aves., Bronxwood Ave. and Pelham Parkway, Bronxwood and Waring Aves., and Bronxwood and Mace Aves.

N. J., Camden — July 17, by Village Clerk, sewerage system and disposal plant. M. Vrooman, Gloversville, engr.; adv. E. N.-R. July 9.

Pa., Phila.—July 14, by Director Dept. Highways, Bureau Engineering, (Schedule A) branch sewers; (Schedule B) main sewers in Erie Ave., Ashdale and Harrison Sts.; (Schedule C) collecting sewer in 30th St.

Md., Baltimore—July 15, by Bd. Awards, sanitary sewers in Dist. P-8, Contr. 220, incl. 21,560 lin.ft. 8 in. and 1,600 lin.ft. 10 in. vitr. pipe, etc. B. L. Crozier, City Hall, engr.

Fla., Bradenton—July 27, by City, c/o R. K. Van Camp, comr. Pub. Wks., 270,000 ft. 6- to 15-in. sanitary and 58,000 lin.ft. 12- to 36-in. storm sewers, etc. L. L. Hine, city clk.; adv. E. N.-R. July 9.

Ky., Louisville—July 28, by Commissioners of Sewerage, Board Trade Bldg., 3rd and Main Sts., Woodbourne, Sils Ave. and Napoleon Blvd. sewers and drains. J. B. F. Breed, ch. engr.; adv. E. N.-R. July 9.

Ky., Paducah—Aug. 4, by Bd. Pub. Wks., system sanitary sewers in Zones 1, 2 and 3 of subdivisions of 3-B and 3-C, and in zones 4 and 5, subdivisions of 3-C and 3-B; storm and sanitary or combined sewers in zones 4 and 5 of Subdivisions 3-A and 3-B of Dist. 3. E. R. Bradshaw city engr. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., consult. engrs.; adv. E. N.-R. July 9.

O., Cleveland—July 15, by City, sewers in Kingsbury Run, Bangor Ave. S. W. Behrwald Ave. S. W., Burger Ave. S. W., Firsby Ave. S. W., Fulton Rd. S. W., Gay Ave. S. E., Sobiesky Ave. S. W., Miles Ave., East 162nd and We t 130th Sts. R. Hoffman, city Hall, engr.

O., Columbus — July 18, by Comrs. Franklin Co., 20,050 ft. 8 in. vitr. sewers, etc. in Sewer Dist. Truro 1.

O., Fairview—July 20, by Village, storm and sanitary sewers in 13 streets. E. H. Arnold, Town Hall, Rocky River, engr. Noted May 14.

Mich., Sturgis—July 13, by H. M. Cole, city clk., 10,000 lin.ft. 6- to 10-in. vitr. sanitary sewer in various streets. $25,000.

Illinois — July 21, by Trustees North Shore Sanitary Dist., 38 South Genesee St., Waukegan, 2 disposal plants, 1 at Lake Forest and other here, incl. Imhoff tank, sludge bed, chlorinating tank, grit chamber, etc. $110,000. Pearse, Greeley & Hanson, 6 North Michigan Ave., Chicago, engrs. Noted Apr. 2 under "Waukegan."

Ill., Chicago—July 15, by Sanitary District of Chicago, 910 South Michigan Ave., North Side Sewer, 7,000 ft., Contr. 7. $500,000. E. J. Kelly, ch. engr.

Wis., Milwaukee—July 16, by Dept. Pub. Wks., sewers in 17 various streets.

Mo., Clayton—July 13, by St. Louis Co., Court House, 24,935 lin.ft. 8- to 18-in. vitr. clay sewer, St. Louis Co. Sanitary Sewer Dist. 7, $135,771; 25,049 lin.ft. 8- to 15-in. vitr. clay sewer, in Sanitary Dist. 6 (Overland Park), $142,372. L. C. Dziatzko, Empire Bldg., Webster Groves, engr.

Mo., Kansas City—July 23, by Bd. Pub. Wks., City Hall, rein.-con. sanitary sewer known as Blue River Sewer, in Jackson Co. and here. Black & Veatch and E. M. Stayton, Mutual Bldg., consult. and superv. engrs.

Calif., San Luis Obispo—July 20, by City Council, 12,815 lin.ft. 6 in. vitr. and 270 lin.ft. 6 in. stand and steel pipe, two hundred twenty-five 6 in. wyes with 4 in. inlets, etc., for Sewer Extension Div. M. L. W. Moore, city engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 29, sewers, etc. in Flushing Ave. from Meta Pl. to Fresh Pond Rd., from J. H. Johnson, **(A)** $17,640, from D. A. Gross, 8515 Fulton St., Woodhaven, **(B)** $12,137. Noted June 25.

N. Y., New York—See "Streets & Roads."

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, June 30, 2 fine mechanical screens, etc., incl. drive motors in sewage treatment and pumping plant, west of Ocean Ave., from Link Belt Co., 233 Bway., New York City, $21,360. Noted June 18.

O., Cleveland—Cuyahoga Co., sewers in Thearton and Forestwood Drives, from Sprague & Burkhardt, 11811 Browning Ave., $36,096. Noted June 18.

CONTRACTS AWARDED

Mass., Boston—Dept. Pub. Wks., sewerage works in Tremont St. to DeChristoforo Bros. Co., 18 Hemlock St., Rosindale. $26,223. Noted June 22.

Pa., Phila. — Dept. Pub. Wks., Bureau of Engineering, main sewer in Stokley St., and in Winghocking sewer, to R. Lombardi, 601 Lincoln Bldg., $238,600 and $280,450 respectively; South Phila. Impvt. in Oregon Ave. Sewer to E. Fay & Son, 2 South Male St., $51,970; branch sewers in Alresford St., to A. Mattia, 310 North 65th St. $2,348. Colorado and Darien Sts., to Sarco Contg. & Building Co., 1213 Snyder Ave. $2,819 and $8,218 respectively. Edgemont St., to J. Moss, 1652 Wakeling St. $5,337. Gaul St., to V. S. Campellone, 812 West Venango St., $3,075, Oxford St., to J. J. McHugh, 1617 Race St., $4,572. Grand total $597,389. Noted July 2.

Tenn., Memphis—For 20 mi. 6- to 24-in. mains in South Memphis Sanitary Sewer Dist., to F. D. Harvey & Co., 688 South Bellevue St., $77,154.

O., Cleveland—Cuyahoga Co., 15,000 ft. 12- to 48-in. sewers in S. O. M. Center and Bonnyview Rds., Impvt. 301, to M. Iafornaro, 2280 Murray Hill Rd., $70,612. Noted June 18.

O., Massillon—City, about 1,200 ft. trunk sewer in Sippo Dist., to J. Wittman, Massillon, $31,449. Engrs. est. $32,648.

O., Steubenville—Sewers in Lincoln Ave., to H. M. Bates, Steubenville, $47,396. Noted Dec. 25.

Ill., Galesburg—See "Streets and Roads."

Ill., Wheaton—Wheaton Sanitary Dist., sewage disposal plant, etc., to W. J. Newman & Co., 23 North Curtis St., Chicago, $129,500. Noted May 28.

Wis., Milwaukee—Dept. Pub. Wks., to J. Brogan & Sons, 700 Dousman St., Green Bay, sanitary and storm sewers in Howell Ave. $2,176, Washington Blvd. $2,563. Fiebrantz Ave., $45,043; to F. E. Kaminsky, 745 46th Ave., West Allis, Logan Ave. $1,978, Dousman St. $600; to Kehrein Bros., 1304 11th St., Newport Ave. $462, Holt Ave. $775; to Szukalski & Matke, 1089 American Ave., Griffin Ave. $1,752; to G. E. Zimmermann, 3402 Grand Ave., 11th Ave. $10,341; to T. G. Holton, 345 27th Ave., South Water St. $422; to Clayton Constr. Co., 929 Hackett Ave., Hope St. $55,578. Grand total $121,690.

N. D., Fargo — Segmental block trunk sewer through North Fargo and Campus of North Dakota Agricultural College, to Haggart Constr. Co., 214 Roberts St., $102,779.

Mo., Kansas City—Bd. Pub. Wks., 12,770 ft. storm sewer from 6½ to 8 ft. in diam. in 29th St. from Norton to Chelsea Sts., to T. P. Thompson, 3809 Forest Ave., $61,650. Engrs. est. $85,000.

Tex., Crowell—City, E. Kimsey, secy., sanitary sewerage system and disposal plant, to R. Irick, Plainview, $48,295. Engrs. est. $50,000. This corrects report in June 18 issue.

Wash., Centralia—Trunk sewer, laterals and treating plant in West and Northwest sections of city, to J. F. Shay & Co., Henery Bldg., Portland, Ore., $74,660.

Calif., Los Angeles—For Sect. 22, North Outfall sewer, 12,806 lin.ft. 6 in. semi-elliptical concrete, to R. E. Cooney, 241 South Norton St., Los Angeles, $187,000. Noted July 2.

Calif., Oakland—Elmhurst Storm Sewer, rein.-con. box culvert and vitr. pipe conduit, to Heafey, Moore-McNair, 344 High St., Oakland, $164,275. Noted July 2.

Calif., Porterville—Sewage disposal plant, etc., to H. A. Teget, 224 Harvard Pl., Alhambra, $43,330. Noted July 2.

Ont., Mount Dennis—York Twp., 6,000 ft. concrete and vitr. tile trunk sewer in Weston Rd. from Sunnybrae Ave. to St. Johns Rd., to McKnight Constr. Co., 88 St. Davids St., Toronto, $67,555. Engrs. est. $75,000.

Ont., Toronto—City, 6,500 ft. 5 ft. 3 in. brick trunk sewer in Gerrard St., Leslie and Marjorie Aves., to J. O. Jerou, 90 Curzon St., Toronto, $134,343. Engrs. est. $150,000.

Ont., Toronto—To F. Cords, Elmira, vitr. tile sanitary sewers in Blackthorne Boon, Teigmouth and Bloem Aves. $8,206, connections on Hillary Ave. $1,320; to P. Mohan, 9 Arundel Ave., in Arlington Ave. $7,741; to Murphy Contg. Co., 8 Wychwood Park, in Nairn and Earlscourt Aves. $4,580, Ashbury Ave. connections $978; to Ruscica Bros., in Bude, Strader and Belvedere Aves. $8,175. Work involves 8,000 lin.ft. 8 in. up vitr. tile pipe, etc. Engrs. est. $30,000.

Ont., Toronto—East York Twp., vitr. tile sewers in Somers, Queensdale, and Linsmore Aves., to Murphy Contg. Co., 8 Wychwood Park, $4,687; Poulton Ave., to P. Mohan, 9 Arundel Ave., $504; Wiley Ave., to Mitchell Contg. Co., 43 Elmwood Ave., London, $3,612; also in Dentonia Park Ave., by day labor, $21,959. Grand total $30,702. G. R. Jack, Sammon Ave., Municipal Yard, engr.

Bridges

PROPOSED WORK

Conn., Bridgeport—State Legislature authorized City of Bridgeport to issue $800,000 bonds, for bridge across Yellow Mill River.

Conn., Waterbury—Street & Sewer Dept., Benedict St., plans 2 span concrete bridge, Rutledge St. $50,000. R. A. Cairns, city engr.

Conn., Waterbury — Street & Sewer Dept., Benedict St., plans 1 span concrete bridge, on Huntington Ave. and Waterford St., $25,000; 2 span concrete bridge on Freight St., $200,000; concrete bridge and abutments Steel Brook, $200,000; and concrete and steel bridge from Southway Rd. to Fairlawn, $30,000. R. A. Cairns, city engr.

Pa., Marcus Hook — Pennsylvania R.R., Broad St. Sta., Phila., Delaware Co. (Media), Marcus Hook and West Chichester Twp., take bids about July 9, grade crossing elimination, incl. 78 ft. bridge, 50 ft., with two 50 x 450 ft. rein.-con. approaches, Market St. $350,000. Pennsylvania R.R. Eng. Dept., Broad St. Sta., Phila., engrs.

Miss., Pascagoula — Election soon $150,000 bonds, rein.-con. and steel bridge over Pascagoula River on Old Spanish Trail; and $125,000 bonds, rein.-con. and steel bridge over Escatawpa River, between Moss Point and Lucedale.

Ill., Chicago—Sanitary Dist. of Chicago, 910 Michigan Ave., soon takes bids new 188 ft. bascule bridge over Drainage Canal, at Crawford Ave. $1,500,000.

Ill., Pekin—City and Tazewell Co. plan bridge (to replace one condemned) over Illinois River, here. State appropriates $400,000, also city and county, sum to exceed $400,000 toward cost. Estimated cost withheld. G. F. Burch, Capitol Bldg., Springfield, bridge engr.

Tex., Boston—See "Streets and Roads."

Tex., San Diego — See "Streets and Roads."

Tex., Vernon—See "Streets and Roads."

Tex., Waxahachie — See "Streets and Roads."

Calif., Mill Valley—Town plans rein.-con. bridges, replacing ones washed out by storms. $40,000. J. C. Oglesby, Courthouse, San Rafael, engr.

Calif., Sacramento—Sacramento Co. making plans bridge over 3 mi. slough, 3½ mi. south of Rio Vista. $70,000. C. Deterding, Jr., Sacramento, co. engr.

Ont., Freeport—Ontario Dept. Pub. Hys., Parliament Bldgs., Toronto, plans 500 ft. concrete bridge, 24 ft. roadway, on Provincial Highway, here. $150,000. G. Hogarth, 110 University Ave., Toronto, engr.

BIDS DESIRED

Mass., Holyoke — July 14, by Bd. Pub. Wks., City Hall, deck steel girder bridge across second level canal, on Sargeant St. G. F. Stone, asst. clk.

New Jersey—July 27, by State Hy Dept., Trenton, 2 concrete bridges on State Hy. Route 4, Sect. 30, Ocean Co., and 2 bridges over Cedar and Mill Creeks. A. L. Grover, secy.; adv. E. N.-R. July 9.

Pa., Media — July 21, at office G. T. Wadas, controller, widening Bridge 66, known as Marshall Rd. Bridge over Naylors Run, Upper Darby Twp.; also Bridge 144, known as South Ave. Bridge over Muckinipatus Creek, Glenholden; adv. E. N.-R. July 9.

W. Va., Roach (mail Salt Rock)—Aug. 5, at office of R. S. Douthat, clk. Cabell Co., Huntington, substructure for bridge across Guyandotte River, here. J. M. Oliver, co. engr.; adv. E. N.-R. July 9.

Louisiana—See "Streets and Roads."

Tex., Anson—See "Streets and Roads."

Tex., Bellvill—See "Streets and Roads."

California—July 20, by State Hy. Comn., Sacramento, one 148 ft. open spandrel arch, and eight 28 ft. girder approach span bridge over Charley Creek, 1½ mi. north of Pollock, Shasta Co., also sixteen 30 ft. spans 21 ft. on concrete pile bents, over Coachella Storm Water Drain, near Indio, Riverside Co. R. M. Morton, highway engr.

Ontario—July 20, by S. L. Squire, deputy minister Dept. Pub. Highways, Parliament Bldg., Toronto, Plantagenet Bridge, Contr. 1260; and bridge north of London, Contr. 1261, both concrete and steel. $50,000. G. Hograth, 110 University Ave., Toronto, engr.

Ont., Atherly — July 13, by F. Barber and associates, Ltd., engrs., 45 Jarvis St., Toronto, 400 ft. highway bridge over Trent Canal on county line, here, for Simcoe Co. (Barrie) and Ontario Co. (Whitby). $100,000.

CONTRACTS AWARDED

Pa., Phila. — Director Pub. Wks., City Hall, 220 ft. timber bridge, 108 ft. over Greenwich branch of Pennsylvania R.R. and Baltimore & Ohio R.R. tracks on line of 10th St., to G. F. Dobbin, 1020 South 47th St., $63,143.

Ohio—Dept. Hys. & Pub. Wks., Columbus, rein.-con., through arch bridge on Piqua-Urbana Rd., Miami Co., to Stout & Stout, Stoutsville, $129,942; concrete bridge, on Sect "U-1," Youngstown-Akron Rd., Portage Co., to Newell & Smith, Defiance, $4,484; concrete substructure and steel superstructure on Sect. "E-Bridge" Canton-Canal Dover Rd., Tuscarawas Co., to Brookville Constr. Co., Brookville, $33,843. Grand total $168,269. Noted July 2.

O., Cleveland — Cleveland Union Terminal Co., Marshall Bldg., rein.-con. bridge at Abbey St., to Bates & Rogers Constr. Co., Engineers Bldg. Engrs. est. $100,000. Noted June 11.

Wis., Madison — Rein.-con. and steel bridge, earth approaches over Yahara River on Fair Oaks Ave., to W. Gifford, 119 East Washington Ave.; also rein.-con. and steel bridge over Yahara River on Main St., to G. Nelson, 1117 West Johnson St., $25,459.

Tex., Laredo—See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., Navasota—See "Streets and Roads."

Washington—State Hy. Comn., Olympia, 579 ft. rein.-con. bridge, incl. 90 ft. arch and T-beam approaches over south fork Chehalis River, on State Rd. 12, Lewis Co., to O. N. Pierce & Co., 912 East 10th St., Portland, Ore. Noted June 11.

Wash., Castlerock—Comrs. Cowlitz Co., Kelso, 2 span concrete and steel bridge, 20 ft., here, to Union Bridge Co., Porter Bldg., Portland, Ore., $69,484.

Dams

BIDS DESIRED

N. Y., Yonkers—July 21, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, small boulder faced dam, rein.-con. culvert and rein.-con. bridge, etc., through Tibbetts Brook Park, here. J. Downer, ch. engr.; adv. E. N.-R. July 9.

Va., Pulaski—July 25, at office of Mayor, constructing the rock fill dam. S. B. Williamson, 702 Natl. Bank Bldg., Charlottsville, engr.

Railways

PROPOSED WORK

Florida—Atlantic Coast Line R.R. Co., 71 Bway., New York City, plans extending present line about 27 mi. from Immokalee to Deep Lake, here. J. E. Willoughby, Wilmington, N. C., ch. engr.

Missouri—Missouri Pacific R.R., Railway Exch., St. Louis, making preliminary plans 10.3 mi. standard gauge and 2nd main line track with necessary sidings and passing tracks, incl. grading, laying, etc., $395,000; also 234 mi. automatic block signals between Poplar Bluff, Mo., and Bald Knob, Ark., and Benton, Ark., to Clear Lake Junction, Ark., $865,000. E. A. Hadley, ch. engr.

Texas—R. A. Stuart (representing private financiers), Burnett Bldg., Ft. Worth, making surveys 85 mi. standard gauge line from Kerrville to Brady, to connect with Frisco System and San Antonio & Aransas Pass R.R.

CONTRACTS AWARDED

Ontario—W. A. Clarke, city clk., 40 Jarvis St., Toronto, 1½ mi. double track electric street railway, etc., in York Twp., concrete sub-base, to Johnson Bros., 43 Market St., Brantford, $54,000; track laying, etc., to Toronto Transportation Comn., Yonge and Front Sts., Toronto, $329,000. Noted May 28.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ill., Chicago—Sanitary District of Chicago, 910 South Michigan Ave., takes bids in August, dredging 8 mi. Calumet River from Calumet Sag Channel to Turning Basin east of Lake Calumet. $1,000,000. E. K. Kelly, ch. engr.

Ill., Naples—Mainvaisterre Drainage & Levee Dist. of Scott Co. plans Main, Hamilton, Tash and Chambers Levees, also main ditch and 3 laterals, and new pumping plant. $80,000. J. O. Chambers, dist. comr. Engineer not selected.

Tex., San Antonio—Plans straightening portion of San Antonio River, in business district, as part of flood prevention program. $500,000. I. Ewig, city engr.

BIDS DESIRED

N. Y., Brooklyn — July 15, by J. A. Guider, boro pres., Boro Hall, dredging Newtown Creek, Wallabout and Gowanus Canals.

N. Y., Canisteo—July 22, by F. S. Greene, supt. Dept. Pub. Wks., Albany, straightening, deepening and improving channels of Canisteo River, and Bennett and Purdy Creeks, for construction dykes, walls, etc.; adv. E. N.-R. July 9.

N. Y., Coney Island (Brooklyn P. O.)—July 15, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, restoring beach here, 300,000 cu.yd. sand fill.

Ia., Corning—C. T. Mercer, aud. Adams Co., taking bids and opens same about July 10, 8.54 mi. drainage ditches, 543,727 cu.yd. excav., for Middle Nodaway D. D. 1.

Neb., Omaha—July 6, by J. P. Hector, city clk., dredging Indian Creek from 17th St. to 23rd Ave. To exceed $25,000. H. Beal, city engr.

Calif., Venice—July 21, by City, filling in canals approximately 100,000 cu.yd. material. H. D. Chapman, city engr.

CONTRACTS AWARDED

Ia., Council Bluffs — Pottawattamie Co. reconstructing approximately 2.2 mi. levees at lower end Pigion Creek D. D. 2, 97,000 cu.yd. excav., to M. E. Mills, 22nd and Jones Sts., at $.0874 per cu.yd.

Calif., Richmond — Dredging approximately 93,000 cu.yd. in inner harbor, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, at $0.26 per cu.yd. Noted July 2.

Ontario — Dept. Pub. Wks., Parliament Bldgs., dredging at Collingwood, to C. S. Boon Dredging & Constr. Co., Excelsior Life Bldg., Toronto, $22,100; at Kincardine, to Randolph McDonald, Ltd., Crown Office Bldg., Toronto, $11,900; at Owen Sound, to Canadian Dredging Co., King St., Midland, $88,500. Noted May 7.

Streets and Roads

PROPOSED WORK

Mass., Boston—Dept. Pub. Wks. plans repaving and improving Leverett and Battery Sts. $34,800 appropriated. J. A. Rourke, comr.

Mass., Brighton (Boston P. O.)—Street Layingout Dept., Boston, plans widening and constructing Colliston Rd. $25,000. J. T. Sullivan, secy.

Mass., Brighton (Boston P. O.)—Street Laying Out Dept., Boston, plans constructing Colonial Rd., east from Chestnut Hill Ave., here. $25,000. J. F. Sullivan, chn.

Mass., Cambridge (Boston P. O.)—City Council appropriated $33,200, repaving and improving Brookline St. Private plans.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans constructing and widening Grampian Way as highway, here. $25,000. J. A. Rourke, comr.

Mass., Medford — Bd. Alderman appropriated $76,000 reconstructing and widening various streets; also $35,000 reconstructing sidewalks and edgestones on various streets.

R. I., East Providence (Providence P. O.)—State Bd. Pub. Rds., Providence, plans reconstructing Pawtucket Ave. from Taunton to Warren Aves., here. $25,000. A. L. Atwood, chn.

N. J., Little Silver—Plans concrete paving 1½ mi. Willow Ave. J. E. Harvey, mayor. Engineer not selected.

W. Va., Philippi—Barbour Co. election July 14, $185,000 bonds, improving roads in Philippi Dist. R. K. Johnson, Philippi, engr.

W. Va., Summersville — Nicholas Co. election July 17, $90,000 bonds, improving roads in Wilderness Dist. C. B. Carskadon, Charleston, state engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing and grading, etc., 5 mi. Federal Aid Project 4360, Harnett Co., $30,000. C. M. Upham, highway engr.

Alabama—State Hy. Comn., Montgomery, plans surfacing, etc., 8.5 mi. and resurfacing 11 mi. Decatur-Tuscumbia Highway. $350,000 appropriated. W. S. Keller, highway engr.

La., Napoleonville—Voted $60,000 bonds graveling Road Dist. 3, Assumption Parish. Engineer not selected.

O., Cincinnati—Plans curbing, sidewalks and granite block repaving 6,400 sq.yd. Vine St. $58,202. F. Krug, City Hall, engr.

O., Columbus — Making plans grading, laying necessary water services and sewer connections, and paving with (a) asphalt (b) brick and (c) concrete, 1,736 ft. 21st Ave., 26 ft., (a) $36,832 (b) $45,428, 1,845 ft. 22nd Ave., 26 ft., (a) $40,820 (b) $50,065, 1,607 ft. 14th Ave., 24 ft., (a) $25,478

Streets and Roads (Continued)

(b) $29,594, 697 ft. alley north Hanford St., 16 ft., (b) $4,760 (c) $4,223; widening 4,414 ft. Spring St., 46 ft., (a) $23,572 (b) $27,563. R. H. Simpson, city engr.

O., East Liverpool—Plans asphalt resurfacing 2nd St. $30,000; and improving about 0.75 mi. North 8th St., $75,000-$80,000. J. A. George, East Liverpool, engr.

O., Lisbon — Columbiana Co. plans asphalt resurfacing Lincoln Way. $30,000. L. C. Kirk, Court House. engr.

Mich., Dearborn — Made plans concrete curbing and paving 2,450 sq.yd. Michigan Ave., 6,690 sq.yd. Monroe Blvd., 1,560 sq.yd. Washington Ave., 1,540 sq.yd. Jefferson Ave., 1,510 sq.yd. Haigh Ave., 2,320 sq.yd. Alexandrine Ave., 4,680 sq.yd. Brady St., and 14,400 sq.yd. Morley Ave. $135,000. R. H. Erley, Dearborn, engr.

Mich., Detroit—Plans grading, curbing and 3½ in. sheet asphalt on 8 in. concrete paving, 5,217 sq.yd. Algonquin Ave., Sect. 1, from alley north of Mack to Canfield Aves., 4,435 sq.yd. Sect. 2 above avenue from Canfield to Warren Aves., 2,261 sq.yd. Shields Ave., 27,563 sq.yd. Wyoming Ave., 3,471 sq. yd. Putnam Ave., 7,751 sq.yd. Mackay Ave., 19,551 sq.yd. Connors Ave. Sect. 3, 1,481 sq.yd. Burlingame Ave., 2,850 sq.yd. Petoskey Ave., 1,925 sq.yd. Addison Ave., 5,550 sq.yd. Danbury Ave., 2,180 sq.yd. Larned St. and 1,560 sq.yd. Congress St. P. A. Fellows, City Hall, engr.

Ill., Carlyle—Soon takes bids widening 17 blocks various streets from 18 ft. to 30 ft., and 1 block, 50 ft., 10,000 to 12,000 sq.yd. surfacing.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., soon takes bids approaches for bascule bridge (now under construction) at California Ave., $125,000; and takes bids in October for approaches for bascule bridge (now under construction) at Cicero Ave., $320,000.

Ill., Mattoon—Soon takes bids grading, curbing and Warrenite or asphalt on concrete surfacing 17,000 sq.yd. Western Ave. F. E. Bishop, City Hall, asst. city engr.

Ill., Urbana — Soon takes bids concrete surfacing 1.5 mi. various streets, 36 ft. G. Sperling, City Hall, engr.

Kan., Manhattan—Riley Co. making preliminary plans grading, etc., 9 mi. Golden Belt Rd. near Fort Riley Reservation, also brick on concrete surfacing 1 mi. same road in Benefit Dist. 1, 20 ft. A. J. Rhodes, Manhattan, engr.

Mo., Cape Girdardeau—Making preliminary plans grading, curbing and concrete paving approximately 7,000 sq.yd. Pacific, Sprigg and South Fountain Sts. J. B. Heagler, City Hall, engr.

Ark., Benton—Making preliminary plans grading, curbing and concrete surfacing 1.25 mi. Little Rock-Hot Springs Rd., Dist. 1, 46 ft. A. M. Lund, Southern Trust Bldg., Little Rock, engr.

Tex., Boston — Bowie Co. making plans grading, bridging, and rein.-con. paving 10.29 mi. State Highway 1, Federal Aid Project 474, 18 ft. $349,000. D. K. Caldwell, Texarkana, engr.

Tex., Galveston — Galveston Co. voted $500,000 bonds, concrete paving Galveston-Houston Highway, etc. C. C. Washington, Galveston, co. engr. Noted June 4.

Tex., Orange—Orange Co., election July 18, $60,000 bonds, constructing road in Precinct 4. J. E. Johnson, Orange, co. engr. Noted July 2.

Tex., San Diego—Duval Co., takes bids after July 10, grading and bridging 10.02 mi. State Highway 12-A, Federal Aid Project 424-G. $52,400. F. E. Hess, San Diego, engr.

Tex., Sherman — Grayson Co., election July 28, $5,800,000 bonds constructing highways. H. M. Scott, Denison, co. engr. Noted May 28.

Tex., Vernon—Wilbarger Co., made plans and soon takes bids grading, paving and bridging 4.72 mi. State Highway 5, Federal Aid Project 604, 16 ft. $127,500. J. B. Nabors, Vernon, engr.

Tex., Waxahachie—Ellis Co., made plans and soon takes bids grading and bridging 4.08 mi. State Highway 6, from Waxahachie north 4 mi. to District line. $26,700. W. A. Spalding, Waxahachie, co. engr.

Okla., Guthrie — Voted $72,157 bonds, grading and paving 15 blocks Vilas, Noble, Vine, Park and Walnut Sts., 18 and 42 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Vinita—Craig Co. made surveys grading and paving 60 mi. various roads, 30 ft. $650,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Waurika — Jefferson Co. election soon $700,000 bonds, grading and paving 80 mi. various roads, 30 ft. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Ont., Chippawa — Making plans asphalt or bituminous concrete paving ½ mi. Main and Bridgewater Sts. $30,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Lindsay—Victoria Co. plans grading, ditching and graveling roads. $160,000. Most of work will be done by day labor. E. L. Miles, Lindsay, engr.

Calif., Los Angeles — Pub. Serv. Comn. made plans grading, curbing and concrete paving 112,450 sq.ft. Ridesdale Ave. and Moreno Dr.; also plans grading, curbing, guttering, sidewalks, paving, etc., Municipal Impvt. Dist. 40, to exceed $850,000.

Calif., Stockton—Plans improving streets and roads, at Stockton State Hospital grounds. $27,000 available.

Ont., Brantford—City Council plans asphalt resurfacing 1,200 sq.yd. various streets. $27,500. F. P. Adams, City Hall, engr.

Ont., Mount Dennis — York Twp. plans grading and widening 1 mi. Weston Rd., 70 ft. $40,000. F. B. Goedike, 40 Jarvis St., Toronto, engr.

Ont., Oshawa — Plans concrete curbing, guttering and asphalt paving 15,000 sq.yd. various streets. $54,583. W. C. Smith, City Hall, engr. Noted May 22.

Ont., Pembroke—Making plans concrete curbing, guttering and bituminous penetration macadam paving 18,000 sq.yd. Mackay St. from Canadian Pacific R.R. to Bell St. $50,000. J. P. Howe, Town Hill, engr.

Ont., Saulte Ste. Marie — Making plans concrete paving 1¼ mi. Wellington St. $60,000. L. R. Brown, engr.

Ont., Toronto—Plans filling and grading Redpath Ave. $9,850, and Oriole Parkway $23,229. R. C. Harris, City Hall, engr.

Ont., Toronto — Plans bituminous concrete paving 3,000 sq.yd. Craven Rd., $14,211; asphalt on concrete paving 6,500 sq.yd. Power St. $16,969, and McLennan Ave. $10,631; concrete paving 1,800 sq. yd. lane north of Roxborough St., $6,847; grading, etc., Turnberry Ave. $12,108, and Lappin Ave. $19,550; grading and widening Rowntree Ave., $11,688. R. C. Harris, City Hall, engr.

B. C., Vancouver — Takes bids about July 29, permanent surfacing various streets. $200,000. C. Brackenridge, engr.

BIDS DESIRED

New Hampshire — July 10, by F. E. Everett, comr. State Hy. Dept., State House, Concord, bituminous macadam surfacing 0.68 mi. Federal Aid Project 207-E, in East Kingston, and 0.57 mi. Federal Aid Project 224-A, in Milton; gravel surfacing 1.15 mi. highway in Newbury.

New York—July 20, by F. L. Merritt, clk. Bd. Supervs., Court House, White Plains, rein.-con. paving 2.85 mi. Commerce Ave. and 1.34 mi. Albany Post Rd. in Mt. Pleasant, and 2.69 mi. Lake St. in Harrison; adv. E. N.-R. July 9.

N. Y., Brooklyn — July 15, by J. A. Guider, boro pres., Boro Hall, grading, curbing, flagging and asphalt paving East 32nd St., Bay Ridge and Highland View Aves.; asphalt paving Williams Ave., West 6th and 33rd Sts.; granite block paving Flatbush Ave.

N. Y., Olean—July 24, by C. P. Luther, comr. Pub. Wks., G. R. Miles, city engr., rein.-con. surfacing, etc., South Barry and Bishop Sts.; adv. E. N.-R. July 9.

New Jersey—July 20 by State Hy. Dept., Trenton, rein.-con. paving Route 9, Sect. 15A, Cranford Twp., Union Co. A. L. Grover, secy.; adv. E. N.-R. July 9.

New Jersey—July 27, by State Hy. Dept., Trenton, grading and rein.-con. paving Route 7, Sect. 5, Monmouth Co. A. L. Grover, secy.; adv. E. N.-R. July 9.

New Jersey—July 20, by North Jersey Dist. Water Supply Comn., Room 204, 20 Clinton St., Newark, relocating highways at Wanaque Reservoir. A. H. Pratt, ch. engr. M. R. Sherrerd, consult. engr.; adv. E. N.-R. July 9.

Pennsylvania—July 24, by Dept. Highways, Harrisburg, bituminous on concrete or rein.-con. surfacing and grading, etc. about 28 mi. roads in Beaver, Bedford, Blair, Bradford, Butler, Cambria, Crawford, Lehigh, Luzerne, Monroe and Schuylkill Counties. P. D. Wright, secy.; adv. E. N.-R. July 9.

Pa., Patton—July 20, by Boro Council, G. E. Prindible, pres., or Controller Cambria Co., Court House, Ebensburg, grading, curbing, guttering and vitr. brick paving, etc. 2,100 ft., Magee and 4th Aves. $50,000. H. L. Gregg, boro engr.

Pa., West View — July 14, by Boro Council, Boro Hall, C. A. McClain, secy., grading, curbing, paving, etc. Holmes and Hale Alleys, Jamaica, Harlem, Central and Highland Aves. $50,000. Blum Weldin & Co., 417 Grant St., Pittsburgh, engr.

Pa., Williamsport — July 17, by City Council, C. L. Jones, supt., brick, sheet asphalt and rein.-con. paving 19,500 sq.yd. Rankin, Rose, 1st and West 4th Sts.; also 6 x 8 in. rein.-con. paving 6,387 lin.ft. West 4th St., 18 ft. L. Mussina, city engr.

W. Va., Glenville—July 22, by Gilmer Co., improving 4.2 mi. Glenville-Braxton Co. line Rd., Project 3280, Glenville Dist., and 3 mi. Glenville-DeKalb Dist. Rd., Project 3. F. Lewis, Glenville, co. engr. Noted Apr. 2.

W. Va., Pineville—Aug. 3, at office D. W. Cook, clk., Wyoming Co., grading, etc., 6.9 mi. Jesse-Maben Rd., Project 252. J. E. Basham, Pineville, co. engr.; adv. E. N.-R. July 9.

North Carolina—July 21, by State Hy. Comn., Raleigh, hardsurfacing 46.97 mi. projects in Hyde, Washington, Franklin, Granville, Randolph, Cabarrus and Rutherford Counties; top-soiling sand clay, gravel surfacing or grading 51.88 mi. in Jones Robeson, Hoke, McDowell and Yancy Counties; adv. E. N.-R. July 9.

S. C., Charleston—July 16, at Office Sanitary & Drainage Comn., 39 Broad St., grading and concrete or sheet asphalt on concrete paving, etc., 3.4 mi. State Route 2, Federal Aid Project 178-A, Columbiana Co.

Ga., Moultrie—July 20, by City, asphalt, concrete or brick surfacing 15,000 sq.yd. and 15,000 sq.yd. 2 coarse sidewalks on various streets. O. H. Lang, Moultrie, engr.

Florida—July 21, by State Road Dept., Tallahassee, clearing, grubbing and grading, etc., 7.43 mi. Rd. 3, Project 595, Volusia Co. $50,000. J. L. Cresap, highway engr. Noted June 18.

Mississippi—July 13, by State Hy. Comn., Jackson, completing 4.5 mi. Bee-Lake Swamp Rd., link of New Orleans-Memphis Highway. H. C. Dietzer, Jackson, highway engr.

Miss., Meridian—July 21, by Bd. Supervs. Lauderdale Co., c/o Chancery Clerk, improving 9.306 mi. Federal Aid Project 63-A, between Meridian and Butler, Ala., 9.27 acres clearing and grubbing, 48,900 yd. excav., 4,310 yd. borrow, 452,435 units gravel ½ mi. overhaul, 3.5 mi. Bermuda sod, etc. H. C. Dietzer, Jackson, engr. Noted June 11.

Louisiana—July 21, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 11 mi. Minden-Springhill Rd., State Project

BRIDGE—DETROIT, MICH.

Bids were opened (lowest three) by Wayne County Road Comn., Real Estate Exchange Bldg., for substructure for Dix Ave., Bascule Bridge, (A) Missouri Valley Bridge & Iron Co., Leavenworth, Kan.; (B) Greiling Bros. Co., Green Bay, Wis.; (C) Dravo Contracting Co., Diamond Bank Bldg., Pittsburgh, Pa. The unit bids are as follows:

	A	B	C
Removal of obstructions (lump sum)	$2,000 00	$8,500 00	$8,000 00
62 cu.yd. removal of old concrete	15 00	25 00	12 00
Removal of old bridge (lump sum)	2,000 00	12,500 00	6,000 00
Engineer's office, etc. (lump sum)	5,000 00	6,000 00	5,000 00
31,000 cu.yd. dredged material	1 50	40	1 50
Cofferdams, etc. (lump sum)	40,000 00	73,000 00	100,000 00
4 driving test piles	100 00	150 00	125 00
1,460 cu.yd. excavation for retaining walls	6 00	4 00	3 00
4,520 cu.yd. excavation for pits	3 00	3 50	3 00
2,180 cu.yd. excavation for sub-piers	15 00	18 00	21 00
85 cu.yd. hard pan excavation sub-piers	50 00	27 00	40 00
49 cu.yd. floor gravel fill	1 50	3 00	3 00
925 cu.yd. wall gravel fill	60	3 00	2 00
5,187 cu.yd concrete	15 30	18 00	17 00
2,261 cu.yd concrete in sub-piers	24 00	21 00	32 00
532,000 lb. reinforcing in place	05	06	06
33,900 lb. anchor rods, etc.	12	125	20
122,200 lb. structural steel	07	10	10
62,800 lin.ft. piles, furnished	40	40	50
62,800 lin.ft. piles, driven	30	35	35
38,500 ft. 1,000 ft. B.M. oak timber	200 00	200 00	250 00
32,500 ft. 1,000 ft. B.M. yellow pine timber	120 00	175 00	200 00
Sewer outlet (lump sum)	2,100 00	6,600 00	3,000 00
Siding (lump sum)	3,000 00	6,000 00	3,000 00
Extended totals	$390,236	$442,979	$522,817

Streets and Roads (Continued)

411C, Webster Parish; 12.27 mi. Sect. B, and 6.73 mi. Sect C Mansfield-Texas Highway, Federal Aid Project 152, also Sect. D, Castor Creek Bridge, two 100 ft. riveted truss spans on concrete abutments and pier, 39,399 lb. reinforcing, 1¾ mi. from Logansport, on above highway. W. B. Robert, highway engr.

Louisiana — July 22, by Police Jury Washington Parish, Franklinton, clearing, grading and graveling 9,000 cu.yd. road from Franklinton to Enon.

Louisiana—July 23, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 3.24 mi. Campti-Goldonna Highway, State Project 425-C; 2.62 mi. Natchitoches-Boyce Highway, State Project 429-D, and 4.72 mi. Robeline-Cypress Highway, Project 430-A, all in Natchitoches Parish. W. B. Robert, highway engr.

Ky., Murray—July 17, by H. C. Doran, city clk., grading and sheet asphalt surfacing 27,740 sq.yd. Main, Maple, 4th and 5th Sts. $99,360. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 28.

O., Akron — July 17, by Comrs. Summit Co., grading, curbing and sheet asphalt paving 11,126 sq.yd. Akron-Barberton Rd. (High St., Barberton) $48,000; grading and waterbound macadam paving, etc. 14,200 sq.yd. Swartz-Corner-Turkleyfoot Lake $29,138, and 21,600 sq.yd. Rex-Hill-New Portage-Uniontown Rd., $43,300. R. E. Willems, Court House, engr.

O., Columbus—July 14, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connecting and paving with **(a)** asphalt **(b)** brick and **(c)** concrete 2,179 ft. Ellsworth, Girard, Johnson and Oakland Aves., 24 ft., **(a)** $36,076 **(b)** $44,881; 881 ft. alley north Patterson Ave. 16 ft., **(b)** $6,208 **(c)** $5,521; 341 ft. alley north Wyandotte Ave., 15 ft., **(c)** $2,000.

Indiana—July 14, by C. Gray, engr. State Hy. Dept., Indianapolis, concrete paving 71,808 sq.yd. Sect. C, Federal Aid 81, Johnson Co.; 14,784 sq.yd. Sect. M, Federal Aid 16, Lawrence Co.; 108,432 sq.yd. Sect. B, Federal Aid 98, Allen and Whitely Counties; and 42,552 sq.yd. Sect. E, State Rd. 22, Morgan Co.

Ind., Albion—July 10, by W. T. Knox, engr., Albion, concrete paving 20,400 sq.yd. Plant Rd., 18 ft., for Noble Co. $62,124.

Ind., Anderson—July 15, by A. H. Doyle, engr., Anderson, grading and graveling 3.9 mi. Kettery Rd., for Madison Co. $25,141.

Ind., Brazil—July 10, by R. H. Kattman, engr., Brazil, grading and graveling 4.2 mi. Shaley Rd., 24 ft., for Clay Co. $27,503.

Ind., Evansville — July 13, by R. Meisinger, engr., Evansville, grading and graveling 5.2 mi. Hoefling Rd., 30 ft., for Vanderburg Co. $34,751.

Ind., Evansville — July 13, by E. Meisinger, engr., Evansville, concrete paving 16,896 sq.yd. St. Joseph Ave., for Vanderburgh Co. $34,751.

Ind., Fowler — July 10, by D. Heaton, engr., Fowler, grading and graveling 3.8 mi. Larson Rd., 24 ft., for Benton Co. $26,491.

Ind., Greensburg — July 10, by S. Guthrie, engr., Greenburg, crushed stone surfacing 34,350 ft. Clemmons Rd., 24 ft., for Decatur Co. $45,000.

Ind., Logansport—July 10, by R. A. Hyman, engr., Logansport, grading and graveling 4 mi. Winn Rd., $26,925; 9 mi. Martin Rd., $52,971; and 4.2 mi. Erbaugh-Wissinger Rd., $28,467, for Cass Co.

Ind., Paoli—July 10, by R. E. Pinnick, engr., Paoli, grading and graveling 7.2 mi. Stewart, Mt. Pleasant and Pinhook Rds., for Orange Co. $42,000.

Ind., Plymouth—July 10, by J. H. Hildebrand, engr., Plymouth, grading and graveling 3.2 mi. Carbience Rd., 24 ft., for Marshall Co. $25,097.

Ind., Princeton—July 10, by H. C. Morrison, engr., Princeton, grading and graveling 4 mi. Baker Rd., 24 ft., for Gibson Co. $25,691.

Mich., Grand Rapids—July 14, by Kent Co., graveling Lowell-Morley Rd., and Lowell-Weaseley Rd.

Ill., East St. Louis—July 10, by Bd. City Comrs. grading, curbing and rein.-con. surfacing 1,000 ft. State St., 36 ft. $25,000. W. McK. Brown, City Hall, engr. Noted June 4.

Ill., Mason—July 12, by City, 12 mi. sidewalks on various streets. P. M. Bledsoe, engr.

Ill., Batavia—July 15, by City, rein.-con. or vibrolithic concrete surfacing 18,000 yd. Washington Ave. Wells Eng. Co., Court House, Geneva, engrs. Noted Mar. 19.

Minnesota—July 21, by State Hy. Dept., 1246 University Ave., St. Paul **(S. P. means State Project and F. A. P. means Federal Aid Project)** grading 167,000 cu.yd. S. P. 3-45, Sect. 3, F. A. P. 363B, $35,000, 110,000 cu.yd. S. P. 50-21, F. A. P. 316 $25,000, 60,000 cu.yd. road between Wyoming-North Branch, S. P. 1-43, F. A. P. 2 $30,000, 60,000 cu.yd. road between Winona-Minnesota City S. P. 3-33, F. A. P. 375A $25,000, 80,000 cu.yd. between Avon-St. Joseph, S. P. 3-45, Sect. 4, F. A. P. 25, $35,000; gravel surfacing 39,000 cu.yd. S. P. 4-27, F. A. P. 318 $35,000, 22,700 cu.yd. S. P. 6-31, Sect. 1, F. A. P. 343B $25,000, 27,600 cu.yd. S. P. 6-31, Sect. 2, F. A. P. 343B $28,000, 25,800 cu.yd. S. P. 16-21, F. A. P. 314 $26,000, 16,400 cu.yd. road between Warroad-Roosevelt, S. P. 11-21, F. A. P. 252 $30,000, 13,800 cu.yd. road between New Prague-Jordan, S. P. 13-26, F. A. P. 346A $25,000, 20,600 cu.yd. road between Gaylord and Glencoe, S. P. 22-27, F. A. P. 338A, $35,000. Eng. Dept. State Highway Dept., engrs.

Minn., St. Paul — July 14, by A. E. Eggert, city purch. agt., curbing and 7 in. rein.-con. paving 12,928 sq.yd. Snelling Ave. between Otto and Montreal Aves. $40,000. G. M. Shepard, city engr.

Minn., Willmar—July 15, by J. W. Haines and Kandiyohi Co., grading, etc. Job. 2,503, State Aid Rd. 8. $25,000. H. L. Wadell, Willmar, engr.

Kan., Kansas City—July 27, by Clerk Wyandotte Co., grading, and rock asphalt on concrete surfacing 1.32 mi. Ridgeview Rd., 18 ft. O. K. Williams, Court House, co. engr.

North Dakota—July 15, by State Highway Comn., and Bd. Comrs. Eddy Co., at Court House, New Rockford, graveling, etc. 10.453 mi. Federal Aid Project 178, east of New Rockford.

North Dakota — July 16, by State Hy. Comn., and Bd. Comrs. Ramsey Co., at Court House, Devils Lake, graveling, etc. 4.51 mi. Federal Aid Project 18, from Churches Ferry east.

North Dakota — July 17, by State Hy. Comn., and Bd. Comrs. McHenry Co., at Court House, Towner, subgrading, etc., 7.937 mi. Federal Aid Project 201, east of Norwich.

Mo., Clayton—Aug. 11th, by City Clerk, improving Hanley, 10,290 cu.yd. grading, 10,625 ft. curbing and guttering, 15,700 sq.yd. macadam first base, 19,700 sq.yd. second base, 19,700 sq.yd. asphalt surfacing, etc. $77,000. Keck Surveying Co., 721½ Chestnut St., St. Louis, engr.

Ark., Little Rock — July 14, by City Comrs., at Room 401 Home Insurance Bldg., grading, curbing and hard surfacing various streets in Impvt. Dist. 413. $30,000. V. P. Knott, Southern Trust Bldg., engr. Noted June 11.

Ark., Marked Tree—July 15, by Comrs. Ozark Trails Road Impvt. Dist. Poinsett Co., improving 5.1 mi. Marked Tree-Lepanto Rd., 870 cu.yd. gravel 0.1 mi. haul, and 6,250 cu.yd. gravel 2.6 mi. haul.

Tex., Anson—July 17, by O. Thomas, judge Jones Co., grading and bridging 15.27 mi. State Highway 18, Federal Aid Project, 477-C, 26 ft., 72,960; also 17.8 mi. State Highway 93, Federal Aid Project 606, $45,927. J. W. Puckett, Stamford, engr. Noted June 11.

Tex., Bellville—Austin Co. taking bids, grading and bridging 16.89 mi. State Highway 36, Federal Aid Project 465-A. $115,000. H. Schroeter, Bellville, engr. Noted May 21.

Tex., Cleburne—July 17, by O. B. McPherson judge Johnson Co., 1 in inverted penetration bituminous surfacing 10.86 mi. State Highway 2-E, Federal Aid Project 330, 18 ft. $70,000, also 14.95 mi. State Highway 2, Federal Aid Project 20-B, 18 ft., $95,000. R. E. Keller, Cleburne, engr. Noted Apr. 23.

Oklahoma—July 14, at office J. M. Page, highway engr., Oklahoma City, grading, etc., 11.39 mi. Keystone-Cleveland Rd., Federal Aid Project 178 A, B and C, Pawnee Co.; 2 in. amiesite on present gravel surfacing 7.3 mi. Durant-Colbert Rd., State Aid Project 42-B and C, Bryan Co.; 10 x 6 x 30 ft. concrete culvert on State Aid Project 70, Payne Co., for State Hy. Dept., Oklahoma City.

Okla., Chickasha — July 30, by G. A. Chincholl, city clk., grading, curbing and asphalt on concrete surfacing 14 blocks various streets in Paving Dist. 33, $66,000. R. O. Bradley & Co., Chickasha, engrs.

Okla Chickasha—Aug. 9, by C. A. Chincoll, city clk., grading, curbing and asphalt on concrete surfacing 10 blocks various streets in Paving Dist. 34. $52 000. R. O. Bradley & Co., Chickasha, engrs.

Colo., Denver—July 14, by Dept. Impvts. & Parks, grading, curbing and surfacing 109,000 sq.yd. South Denver Impvt. Dist. 19. $206,095. A. K. Vickery, City Hall, engr.

Colo., Denver—July 16, by Dept. Impvts. & Parks grading, curbing and surfacing 79,000 sq.yd. South Denver Impvt. Dist. 20. $169,467. A. K. Vickery, City Hall, engr.

Nevada — July 15, by Directors Dept. Hys., Heroes Memorial Bldg., Carson City, constructing 5.63 mi. road from point 5 mi. east of Holbrook to east county line, Route 3, Sect. A-1. G. W. Borden, state highway engr.

California—July 20, by State Hy. Comn., Sacramento, grading and crushed gravel or stone surfacing 25.7 mi. road between Victorville and Hicks, San Bernardino Co. R. M. Morton, highway engr.

Calif., Berkeley — City Council, E. M. Hann, clk., taking bids improving portions Arlington Ave., 18,300 sq.ft. concrete sidewalks, 20,000 lin.ft. curbing and guttering, 255,000 sq.ft. grading, and 174,000 sq.ft. 6 in. concrete paving. To exceed $100,000. A. J. Eddy, city engr.

Calif., Sacramento—July 27, by Supervs. Sacramento Co., asphaltic macadam paving 1.1 mi. Auburn Rd., ½ mi. Florin Rd., 1½ mi. Elk Grove-Florin Rd., and 3,000 ft. road in Orangevale Dist., all 16 ft. C. Deterding, Jr., Sacramento, co. engr.

Ontario—July 11, by J. Lyons, minister Lands & Forest, Parliament Bldg., Toronto, graveling 20 mi. Trunk Rd. from Letchford to Temagami. $300,000. C. H. Fullerton, ch. engr.

Ontario—July 13, by S. L. Squire, deputy minister Dept. Pub. Highways, Parliament Bldg., Toronto, penetration bituminous macadam paving 3 mi. Contr. 1253, $60,000; grading 24 mi. Contr. 1254 to 1259 (inclusive) $75,000; 44 mi. field tile, Contr. 1263 to 1267 (inclusive) $200,000; also 3 concrete culverts at Carp, Contr. 1262, $10,000. G. Hograth, 110 University Ave., Toronto, engr.

Ont., Dunnville — July 13, by J. Clark, city clk., waterbound macadam paving Cedar St. $25,000. E. Hinchcliffe, town engr.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 12,865 ft. highway in Groton, and 3,900 ft. highway in Boylston, from C. E. Horne, Milburv, $69,242 and $23,467 respectively; 1,800 ft. highway in Enfield, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $13,280; 4,000 ft. highway in Stockbridge, from Kelleher Bros., Turners Falls, $28,776; 5,800 ft. highway in Wayland, from Middlesex Constr. Co., Framingham, $27,858. Noted June 25.

Connecticut — J. A. MacDonald, comr. State Hy. Dept., Hartford, bituminous macadam paving 9,273 ft. Willimantic-Hampton Rd. in Chaplin, and 12,675 ft. Southbury Rd. in Roxbury and Woodbury, also native stone macadam paving 14,650 ft. Granby Rd. in Hartland, from Miller Bros. Constr. Co., 750 Main St., Hartford, $54,550, $67,162 and $149,222 respectively; bituminous macadam paving 2,800 ft. Weatogue Mt. Rd. in Simsbury, from Immick Co., State St., Meriden, $27,273; rein.-con. paving 14,000 ft. River Rd. in Cromwell, and 10,913 ft. New London Turnpike in Glastonbury, from F. Arrigoni & Sons, 624 Main St., Middletown, $90,087 and $73,843 respectively. 21,973 ft. Waterbury Turnpike in Meriden and Southington, from D. O'Connell & Sons, Holyoke, Mass. $119,193, 2,050 ft. Bridge St. in New Milford, from Lane Constr. Co., 37 Colony St., Meriden $28,171, 7,492 ft. Goshen St. in Torrington, from J. DeMichiel & Bros. Torrington $110,680, 7,750 ft. Milford Shore Rd. in Milford from Conn. Natl. Pavement Co., 173 Orange St., New Haven, $53,117. 4,575 ft. Norton Hill Rd. in Stamford and Darien, from W. N. Arthur, Glenbrook $109,400, 2,356 ft. Rowley St. in Winchester, from Patterson & Rossi, Torrington, $62,945; asphalt surfacing 3,602 ft. Maple Ave. in Hartford, from E. Balf Co., 14 Haynes St., Hartford, $45,901; 11,700 ft. grading, etc., Boston Post Rd. in Fairfield, from B. B. Hastings, Bridgeport, $46,293. Noted June 18.

N. Y., Brooklyn—Park Bd., Dept. Parks, 64th St. and 5th Ave., New York City, July 2, improving west drive of Prospect Park, here, from Cranford Co., 52 9th St., $99,175. Noted June 25.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., July 2, granite block repaving East 204th St., from St. George Granite Co., 90 West St., $29,089; sheet asphalt paving Brook Ave., from Interboro Asphalt Co., 2306 Creston Ave., $55,973; sewers in Pelham Parkway North, from A. Gregorio & Co., Inc., 1121 Neil Ave., $41,428. Noted June 25.

O., South Euclid—Improving Antisdale and Grosvenor Rds., 15,005 sq.yd. asphaltic concrete, 10,575 lin.ft. stone curbing, 10,925 lin.ft. 4 in. drain tile gutter, and 6,700 cu.yd. earth excav., from Spence Bros., 2028 Random Rd., Cleveland, $85,256.

Michigan — State Hy. Dept., at office Comrs. Ottawa Co., Grand Haven, June 25, concrete paving 3.12 mi. Assessment Dist. Rd. 11, 18 ft., from W. H. Frederick, 359 South Clay St., Coldwater, $65,731.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., 3½ in.

Streets and Roads (Continued)

sheet asphalt on 8 in. concrete paving, Bedford Court $4,636, Bonaparte Ave. $9,562, Fairview Ave. $17,016, Poinsetta Ave. $23,-192, Legrand Ave. $11,713, Greendale Ave. $17,754, Cecil Ave. $18,789, Wyoming Ave., Sect. 2 $67,383, Doremous Ave. $11,713; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., Nuernberg Ave. $11,901, and Dexter Ave. $49,213.

Wis., Beloit — Paving various streets, from J. T. Lee Paving Co., Dubuque, Ia., rein.-con., $94,945, from J. Rasmussen & Sons Co., foot 7th St., Oshkosh, sheet asphalt $95,175. Noted June 18.

Ia., Sioux City — Grading, curbing and concrete surfacing Helen St., from Western Asphalt Paving Corp., 1st and Nebraska Sts., at $1.88 per sq.yd. and Rebecca St., from Booth & Olson, Inc., 120 Virginia St. $1.73 per sq.yd.

Colorado—State Hy. Dept., Denver, grading 1.8 mi. State Project 886, Clear Creek Co., from Dooling Bros., 305 Bank Bldg., $26,818 engrs. est. $27,560; concrete paving 7.008 mi. Federal Aid Project 275-A, Douglas Co., from Strange-Maguire Constr. Co., 401 Utah Savings & Trust Bldg., Salt Lake City, Utah, $314,174 engrs. est. $362,-350. Noted June 18.

Colo., Denver — Dept. Impvts. & Parks, (**e. e. means engrs. est.**) from Gordon Constr. Co., Barclay Bldg., concrete paving 12 blocks each Alley Paving Dist. 133, $17,-322 e. e. $25,007, Dist. 132, $20,446 e. e. $29,405, Dist. 141, $14,780 e. e. $21,233, Dist. 130, $23,206 e. e. $33,213. Noted June 25.

California—State Hy. Comn., Sacramento, grading and surfacing with (1) gravel (2) decomposed granite 8.6 mi. road between El Centro and Holtville, Imperial Co., from S. Y. Faucett, Santa Barbara, (1) $107,229 (2) $111,001. Noted June 4.

Calif., Los Angeles — City, from P. Christich, 1817 East 3rd St., improving Dunn St., between Upland and Crestwood Ave., grading, $19,000, 17,541 ft. light curbing at $0.48 per ft., 87,868 sq.ft. sidewalks $0.15, 36,893 sq.ft. guttering $0.19, etc., total $61,480; from Warren Constr. Co., 2221 East 25th St., Occidental Blvd. between Sunset Blvd. and Temple St., grading $24,300, 131,610 sq.ft. concrete paving at $0.165 per sq.ft., 171,580 sq.ft. 5 in. Warrenite paving $0.22, etc., total $101,859.

Calif., Los Angeles — Los Angeles Co., from G. H. Oswald, 366 East 58th St., improving Market St. between Western and Normandie Aves., Co. Rd. Impvt. 400, 2,104 cu.yd. excav. at $0.70 per cu.yd., 18,079 sq.yd. shaping $0.06, 5,366 ft. curbing $0.40, 10,469 sq.ft. guttering $0.20, 11,053 sq.yd. 6 in. concrete paving, $1.48, 7,026 sq.yd. oil and screening $0.30, etc., total $28,910; from Industrial Engineers & Contractors, Inc., Guaranty Bldg., Hollywood, Anaheim-Telegraph Rd., Co. Impvt. 246, 20,227 cu.yd. excav. $0.38, 92,957 sq.yd. 6 in. disintegrated granite base $0.07, 90,385 sq.ft. concrete paving $0.11, 282 cu.yd. retaining wall $4.96, etc. total $29,068.

Calif., Oakland—Supervs. Alameda Co., broken rock surfacing, etc., 17,500 cu.yd. Bay Farm Island Rd., from E. B. and A. L. Stone Co., Claus Spreckels Bldg., San Francisco, $27,456. Noted Apr. 1.

Calif., Pasadena—Curbing, guttering, and oil macadam paving 1 mi. San Rafael Ave., from W. Haight, 260 South Pacific Blvd., Huntington Park, $35,087; also ½ mi. Lake Ave., from C. A. Lodeveze, 209 South Elizabeth St., Southgate, $31,896.

Calif., Richmond—City, 1½ in. National on 2½ in. asphaltic concrete surfacing portions of Ohio, Waller, Wall, Florida and Center Sts., etc., from Northern Paving Co., P. O. Box 1237, $85,569. Noted May 21.

Calif., Richmond — Atchison, Topeka & Santa Fe R.R., 6th and Main Sts., Los Angeles, 1½ in. (a) Warrenite (b) National (c) open specification surfacing 118,326 sq. ft. Gerrard Blvd., from Crocker Co., 58 2nd St., San Francisco, (a) $29,250; from Natl. Paving Co., P. O. Box 1237, (b) $25,207 (c) $23,432.

Calif., San Diego—Common Council, from Hazard Contg. Co., 302 5th St., improving 4th St. from B to K Sts., 207,683 sq.ft. 2 in. asphaltic concrete paving $0.11 per sq. ft., 1,596 sq.ft. concrete sidewalk $0.25, removal of present sheet asphalt wearing surface $6,800, etc., total $41,079; from Phoenix-Tempe Stone Co., Phoenix, Ariz., improving Voltaire and Bacon Sts., etc., 386,439 sq.ft. 1½ in. on 3 in. asphaltic concrete at $0.195 per sq.ft., 9,744 sq.ft. concrete sidewalk $0.22, 1,312 lin.ft. 6 in. concrete curbing $0.60, 1,619 lin.ft. 8 in. concrete curbing $0.70, etc., total $81,047.

Calif., Santa Cruz — Improving Soquel Ave., 190,638 sq.ft. grading, 190,878 sq.ft. 2 in. asphaltic macadam surfacing, 9,373 sq.ft. 5 in. concrete paving, etc., from Granite Constr. Co., Watsonville, $29,018.

Calif., Sausalito—Improving Princess St., Buckley and Miller Aves., 2,000 cu.yd. excav., 112 cu.yd. concrete and 10,500 cu.ft. bituminous paving, from Union Paving Co., Call Bldg., San Francisco, $25,170.

Calif., Venice—From Fry Bros. Constr. Co., 231 East 4th St., Long Beach, improving Venice Blvd., 116,293 sq.ft. earth excav. at $0.025 per sq.ft., 114,418 sq.ft. 7 in. concrete paving, etc., $0.199, total $39,847. Noted June 11.

CONTRACTS AWARDED

New Hampshire—State Hy. Comn., State House, Concord, bituminous macadam paving 1.53 mi. highway in Rindge, and 5.03 mi. highway in Hinsdale, to A. D. Bridges, Hazardville, Conn., $36,590 and $64,659 respectively, 1.33 mi. highway in Westmoreland, to P. C. Ricci, Burlington, Vt., $38,-237; gravel surfacing 0.9 mi. highway in Canaan, to Arbirio Road Constr. Co., 408 Main St., Hartford, Conn. $30,090, and 1.8 mi. highway in Chester, to T. Watkins, Amesbury, Mass., $22,487. Grand total $192,063. Noted June 18.

Massachusetts — Dept. Pub. Wks., Boston, bituminous macadam surfacing 3,700 ft. highway, 18 ft. in West Stockbridge, and 10,748 ft. highway in Northfield, to Kelliher Bros., Turners Falls, $24,637 and $87,905 respectively; 1,700 ft. highway in Weston, to Middlesex Constr. Co., Framingham, $13,281; and 528 ft. highway in Reading, to McDonough Co., Swampscott, $4,315. Grand total $124,138. Noted July 2.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to Cranford Co., 52 9th St., sheet asphalt resurfacing Canton Ave., etc., $26,227, sheet asphalt surfacing Park Pl., etc., $25,650; to Brooklyn Alcatraz Co., 407 Hamilton Ave., sheet asphalt surfacing East 17th St. $9,369, Kings Highway $245,629, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Nostrand Ave. $6,366, to M. J. O'Hara, 717 65th St., Avenue P, etc., $28,640, 10th Ave. $3,046, 70th St. $2,973, 83rd St. $7,817, to B. Turecamo Contg. Co., 8706 Bay 12th St., Avenue P, etc., $15,500, 12th Ave. $11,194, curbing and sheet asphalt surfacing 65th St. $64,-982; to M. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 17th St., etc., $2,860; to F. C. Kohart, grading East 93rd St., etc., $1,782. Grand total $450,035. Noted July 2.

Pa., New Wilmington — Lawrence Co., brick paving River Rd., to J. De Jute, Niles, O., $75,356. Engrs. est. $80,000.

Pa., Phila. — Delaware River Bridge Joint Comn., Widener Bldg., concrete slabs and paving roadway and foot walks of bridge over Delaware River connecting Phila., Pa., and Camden, N. J., Contr. 21B, to F. J. Boas, 201 North Broad St., $766,-212. Noted June 25.

Florida—State Rd. Dept., Tallahassee, to Penton & Mathis Constr. Co., Florida, Ala., clearing, grubbing, grading and sand clay surfacing, etc. 9.38 mi. Project 649, north of Dist. Line 3, $34,283, 1.04 mi. above road between Crestview and Dist. Line 3 and 1, $4,218, also 9.053 mi. Project 652 between Projects 649 and 74, $50,253, all foregoing in Okaloosa Co. Grand total $88,754. Noted July 2.

La., Baton Rouge — Grading, curbing, guttering and 15,000 sq.yd. paving Clark, Prwyn, Bryan, Middle, Highland, Webster, Spain, Lucilla Dr., Bungalow Lane, Lake View Dr., etc., to Southern Roads Co., Amer. Trust Bldg., Birmingham, Ala., $20,000, and to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, N. C., $36,000.

Ohio—Dept. Highways & Pub. Wks., Columbus, grading, bridging and concrete paving 0.91 mi. and widening 0.016 mi. Sect. "Manchester" Ohio River Rd., Adams Co., to C. E. Biehn, Georgetown, $32,767 and $948 respectively; Kentucky Rock asphalt paving 2.117 mi. Sect. "J" and 3.105 mi. Sect. "K" Lima-Ottawa Rd., Allen Co., to D. C. Ingold, MacComb, $44,580 and $69,155 respectively; brick on concrete widening 2 mi. Sects. "D, E and I" Barberton-Greenwich Rd., Medina Co., to C. P. Wilmore, $37,092; rein.-con. paving 4 mi. Sect. "U-2" Celina-Van Wert Rd., Mercer Co., to G. H. Heffner, Celina, $92,556; approaches on 0.87 mi. Sect. "B-Bridge" Piqua-Urbana Rd., Miami Co., to Stout & Stout, Stoutsville, $3,557; concrete paving 2.375 mi. Sect. "U-1" and 2.148 mi. Sect. "U-12" Akron-Youngstown Rd., Portage Co., to Newell & Smith, Defiance, $71,546 and $58,338 respectively. Grand total $410,539. Noted June 24.

O., Cleveland—To Highway Constr., 903 Lorain Co. Bank Bldg., Elyria, improving Ernadale Dr. and East 128th St., 6,500 sq. yd. asphaltic concrete, 4,360 lin.ft. stone curbing, 4,750 lin.ft. 4 in. drain tile gutter, and 3,150 cu.yd. earth excav. $35,321, East 124th St., 6,690 sq.yd. asphaltic concrete, 4,750 lin.ft. stone curbing, 5,000 lin.ft. 4 in. drain tile gutter, 5,100 cu.yd. earth excav. $41,329, Gay Ave., 9,280 sq.yd. sheet asphalt, 5,646 lin.ft. stone curbing, 6,100 lin.ft. 4 in. drain tile gutter, 5,570 cu.yd. earth excav., $55,406; to Roehl Bros., 7002 Denison Ave., West 67th, 93rd and 133rd Sts., 5,615 sq.yd. vitr. brick, 3,866 lin.ft. stone curbing, 4,010 lin.ft. 4 in. drain tile gutter, 3,725 cu.yd. earth excav., $33,434; to River Constr. Co., 2402 Mapleside Rd., Baldwin Rd., 6,620 sq.yd. asphaltic concrete, 4,200 lin.ft. stone curbing, 4,350 lin. ft. 4 in. drain tile gutter, 4,500 cu.yd. earth excav., $40,718; to Winterbottom & Connelly, 1406 West 25th St., grading, curbing, guttering and asphaltic concrete paving Creston Ave. and West 17th St. $24,669, to W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R. tracks, West 157th and 158th Sts. $20,438, to Gould & Maybach, 16311 Saranec Rd., East 128th St. $12,950; to Enterprise Paving & Constr. Co., 8444 Bway., grading, curbing, sidewalks and vitr. brick paving Park Heights Rd. $22,978, to Garland Bros., Pavers Exchange, East 13th St., $24,492. Grand total $311,735.

O., Cleveland—Asphaltic concrete paving, etc., 18,700 sq.yd. Carnegie Ave., to Bentley Bros., 3030 Euclid Ave., $117,798. Noted Jan. 29.

O., Columbus — W. H. Duffy, dir. Pub. Serv., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., grading, laying, necessary water services and sewer connections and paving 1,285 ft. Catherine St., brick $23,500, 1,181 ft. Charles St. $18,223, 113 ft. Frederick St. $15,234, 1,292 ft. Huron St. $28,969, and 1,061 ft. New Ave. $15,918, all foregoing asphalt; to R. J. Dienst, 480 South 5th St., brick paving 471 ft. Chapel St., $4,754, concrete paving 578 ft. alley west Michigan Ave. $3,340, 644 ft. alley west Oregon Ave. $3,892, 799 ft. alley north Woodruff Ave., $3,658; to Yale Ave., Constr. Co., 146 Yale Ave., concrete paving 420 ft. alley west Garfield Ave. $2,443, 297 ft. alley north Long St. $1,904, 430 ft. alley west Linwood Ave. $2,446, 1,982 ft. alley north Reinhard Ave. $9,861, 396 ft. alley west Wesley Ave. $2,257; to A. W. Burns Constr. Co., 316 South High St., asphalt paving 1,300 ft., Linden Ave. $20,290, to B. F. Patterson, 1214 Neil Ave., 559 ft. Noonday Ave. $6,830, to Franklin Asphalt Paving Co., 209 South High St., 7,503 ft. Mound St., $102,675; to Federal Paving Co., 996 McAllister Ave., concrete paving 442 ft. alley north Whittier St. $2,043, and 272 ft. alley west Wager St. $1,739. Grand total $269,976. Noted June 25.

O., Lakewood (Cleveland P. O.) — Bd. Educ., G. W. Grill, clk., grading, sodding, seeding, cement walks, drives, steps, retaining wall and playgrounds at Harding and Hayes Schools, to R. E. Carey Co., 1466 West 112th St., Cleveland, $56,000. Noted June 11.

O., Lisbon — Columbiana Co., grading Summitville Rd., Franklin Twp., to Gibson & Bixby, Kensington, $25,697. Engrs. est. $32,175.

O., Marion — Marion Co., waterbound macadam paving 26,185 ft. Brushridge-Wyandot Rd., and Prospect-Upper Sandusky Rd., to S. M. Wooley, Marion, $26,-749 and $28,830 respectively. Engrs. est. $27,200 and $29,337 respectively.

O., New Philadelphia—Sheet asphalt on concrete paving 5th St., to L. Springer, New Philadelphia, $30,369. Engrs. est. $35,000. Noted July 2.

O., Ravenna—Portage Co., paving Rootstown-Edinsburg Section of Akron-Youngstown Rd., to Newill & Smith, Defiance, $134,370. Engrs. est. $160,000.

Indiana—State Hy. Comn., Indianapolis, (**F. A. means Federal Aid**) concrete paving 6.215 mi. F. A. Rd. 68, Sect. D, Fountain Co., to Foulkes Contg. Co., 705½ Ohio St., Terre Haute, $113,602; 12.664 mi. F. A. Rd. 69B and 75D, Benton and Newton Counties, to Cast Stone Constr. Co., Eau Claire, Wis., $225,462; 4.779 mi. F. A. Rd. 78C, Knox Co., to J. M. Robertson, Terre Haute, $210,747; 8.862 mi. F. A. Rd. 780, Knox and Sullivan Counties, to E. Berns & Co., Vincennes, $162,853; 8.43 mi. F. A. Rd. 84 A, Whiteley and Noble Counties, to McClintick-Calwell & Gordy, Syracuse, $172,790; 5.775 mi. F. A. Rd. 93 A-B, Lake Co., to Reith-Riley Constr. Co., Goshen, $129,446; 4.688 mi. F. A. Rd. 82 A, Laporte and St. Joseph Counties, and 9.541 mi. F. A. Rd. 82 B, St. Joseph Co., to Highways Impvt. Co., South Bend, Ind., $101,416 and $159,808 respectively. Grand total $1,276,-124.

Ind., Goshen — Elkhart Co., concrete paving 10,781 ft. Thornton Rd., to Reith-Riley Constr. Co., Goshen, $51,279. Engrs. est. $54,278.

Ind., Huntington—Huntington Co., (**e. e. means engrs. est.**) concrete paving 4,050 ft. Hier Rd., to Carvey, Tombaugh, Carvey & Macy, Huntington, $26,450, e. e. $29,751; 10,488 ft. Kitch Rd., to Lynn Constr. Co., Paulding, O., $54,604, e. e. $64,453; 12,366 ft. Kerigbaum Rd., to A. G. Brumfield & Son, Marion, $70,000, e. e. $85,699. Grand total $151,054.

Streets and Roads (Continued)

Mich., Pontiac — Oakland Co., grading, curbing, guttering and concrete paving 116,800 sq.yd. Trunk Line Rd. 10-39 A-2, to White Constr. Co., 130 North Wells St., Chicago, Ill., $125,715; and 85,465 sq.yd. Trunk Line Rd. 10-39 C D-2, to R. D. Baker, Co., 1130 Parker Ave., Detroit, $140,993.

Ill., Galesburg—Bd. Local Impvts., grading, curbing, paving, etc., Duffield Ave. from Main to North Sts. and sewer in 6th Ave., to H. H. Gunther, 859 East Losey St., $14,817 and $765 respectively; grading, curbing and paving Whitesboro St. from North to Losey Sts. and sewer in Academy St., to Graham-King Constr. Co., 550 South Cedar St., $12,760 and $2,285 respectively. Grand total $30,627.

Ill., Knoxville — Vitr. brick and sand surfacing about 1 mi. Main St., to Central Eng. Co., 809 Putnam Bldg., Davenport, Ia., $94,267. Noted Apr. 9.

Ill., Rockford—Winnebago Co., grading, bridging, etc. 6.25 mi. Pecotonica-Durand Rd., 30 ft., to Cameron, Joyce & Co., Keokuk, Ia., $35,800. Former contract rescinded. Noted Apr. 16.

Ia., Cedar Rapids — Grading and concrete surfacing 1,751 sq.yd. alley, and curbing and guttering 550 ft. 19th St., to Hahn Constr. Co., 1109 12th Ave. W., $3,985 and $604 respectively; grading, paving, etc., 2,265 sq.yd. Ave. A, and 8,944 sq.yd. 21st, 22nd, 23rd and 24th Sts., Avenues A and B, to P. P. Smith, 1600 Washington Ave., $5,921 and $20,892 respectively. Grand total $31,402. Noted May 28.

Ia., Cedar Rapids—Linn Co., improving 11.456 mi. Marion-Jones Co. line Rd., Primary Rd. 28, grading, to Ryan & Son, Missouri Valley, $32,000; tile, to P. Jenson, Waterloo, $891; and bridges, to J. B. Elliott & Son, Independence, $8,800.

Ia., Dakota City — Humbolt Co., gravel surfacing 12,100 yd. Project 275, and 4,750 yd. secondary maintenance, also 11,300 yd. Secondary Road 5, in Pioneer, Claire and Corinth Twps., to Sampson Bros., Algona, $22,001 and $8,976 respectively; 15,300 yd. Primary Secondary Project S-21, to R. Cook, Nevada, $12,786; grading 33,154 yd. Bode Ottosen Rd., to W. Dutton, Boone, $8,408, tile work to W. Larsen, Bradgate, $3,018.

Minn., Mendota — Hennepin Co. (Minneapolis) and Dakota Co. (Hastings) 75,000 sq.yd. one course concrete paving approaches to Mendota Bridge, to Woodrich Constr. 1141 Metropolitan Life Bldg., Minneapolis, $179,780. Noted July 2.

Kan., Newton—A. Martin, city clk., grading, curbing and brick on concrete surfacing 8,217 sq.yd. various streets, to Stanton & Wallace, Leavenworth, $27,000. Noted June 11.

Kan., Wichita — To Globe Constr. Co., 1069 North Water St., concrete surfacing 700 sq.yd. alley between Topeka and Emporia, 1,395 sq.yd. Cook St., 2,078 sq.yd. Erie St., 1,955 sq.yd. Santa Fe St., 1,625 sq.yd. 2nd St., 1,190 sq.yd. Skinner St., 1,729 sq.yd. Wichita St., 1,784 sq.yd. Ellis St., 2,237 sq.yd. Estelle St., 751 sq.yd. Kellogg St., 1,785 sq.yd. Lewellen St., 892 sq.yd. Mentor St. and 1,220 sq.yd. McCormick St., each $1.83 per sq.yd.; to H. T. Ritchie, 124 North Fountain St., asphalt surfacing 3,241 sq.yd. Main and Waterman Sts. at $2.77 per sq.yd., 1,790 sq.yd. Otis St. and 1,148 sq.yd. Poplar and Washington Sts. at $2.54 per sq.yd.; to Ziegler Bros., Junction City, concrete surfacing 2,058 sq.yd. Osage St. at $2.04. Noted Apr. 2.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project)** gravelling, etc. 18.91 mi. F. A. P. 146 A and B, and 180 B and C, Corson Co., 28,743 cu.yd. gravel, etc., to Tobin & Maloney, Madison, $43,964; 9.42 mi. F. A. P. 169 A, Pennington Co., 141,131 cu.yd. gravel, etc., to Wager-Erling Co., Sioux Falls, S. D., $21,312. Noted July 25.

Mo., Farmington—St. Francois Co., grading and concrete surfacing 3.03 mi. road through Flat River and St. Francois to Desloge, to W. E. Larnegan, Farmington, $95,000. Noted May 28.

Tex., Houston — Harris Co., warrenite bitulithic paving St. Emanuel St. from McKenney to McGowan Aves., to Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., $73,675. Engrs. est. $80,000. Noted July 2.

Tex., Laredo—Webb Co., grading, curbing, guttering, concrete paving 10.78 mi. State Highway 12, Federal Aid Project 436-A, to H. B. Zachary, Laredo, $80,884. Noted June 11.

Tex., Linden—Cass Co., clearing, grubbing, grading and bridging 7.44 mi. State Highway 48, Federal Aid Project 457-B, 26 ft., 100,249 lb. reinforcing, etc., to Smith Bros., Santa Fe Bldg., Dallas, $67,117. Engrs. est. $77,435. Noted July 2.

Tex., Navasota — Grimes Co., clearing, grubbing, bridging and grading, etc. 6.71 mi. State Highway 6, Federal Aid Project 471-B, to Womack Constr. Co., Sherman, $57,068.

Okla., Clinton—To Western Paving Co., Tradesmens Bldg., Oklahoma City, grading, curbing and Oklahoma rock asphalt on concrete surfacing 6 blocks 10th Ave. $43,366, also 11th St. Noted June 11.

Colo., Denver—Grading, curbing and surfacing South Denver Paving Impvt. Dist. 23, to J. Collier, 63 South Logan St., $44,387. Noted May 7.

Wash., Ellensburg—City Comrs. paving and repaving 18 blocks Main St. et al, to Yakima Paving Co., Yakima, $44,931. Engrs. est. $58,000.

Wash., Longview—City Council, improving Highlands and St. Helens addition, 10,332 cu.yd. subgrading, 71,182 cu.yd. grading, 27,217 cu.yd. gravel in place, etc., to Goetz & Brennan, Seaboard Bldg., Seattle, $118,774. Noted June 25.

Wash., Vancouver—City and Clarke Co., curbing and warrenite bitulithic paving, etc., Main and West Reserve Sts., to United Contg. Co., North West Bank Bldg., Portland, Ore., $47,069. Engrs. est. $50,000.

Calif., Corning—City, 6 in. concrete paving Solano St., to T. H. and M. C. Polk, Chico, $38,711. Noted July 2.

Calif., Delano—Curbing, 1½ in. Warrenite bitulithic on 4 in. asphaltic concrete paving, etc., portions of 8th, 9th and 10th Sts., etc., to Warren Constr. Co., 1305 28th St., Oakland, $78,177. Noted July 2.

Calif., Los Angeles—Curbing, sidewalks, etc., on Roseland St., between La Brea and Cochran Aves., to H. Francisco, 1250 West 5th St., $26,787; curbing, sidewalks, concrete paving, etc., Main St. between Manchester Ave. and south city limits, to Johnson & Sons, 4183 South Normandie Ave., $61,450; curbing, sidewalks, asphalt paving, etc., Ardmore Ave., between Wilshire Blvd. and San Marino St., to Curtis Paving Co., 552 South St. Louis St., $27,470.

Calif., San Anselmo — Grading, curbing and asphaltic concrete paving, etc., 75,400 ft. San Francisco Blvd., to Pacific States Constr. Co., Call Bldg., San Francisco, $30,354. Noted July 2.

Calif., San Leandro—Grading, and 1½ in. Warrenite bitulithic on 6 in. concrete paving portions of East 14th St., to Hutchinson Co., Hutchinson Bldg., Oakland, $29,4[illegible]. Noted July 2.

Calif., Santa Monica—To D. S. McEwan, 127 Pier Ave., Ocean Park, improving Lincoln Ave., 6,809 lin.ft. curbing at $0.65 per lin.ft., 13,310 lin.ft. sidewalks $0.20, 27,240 sq.ft. excav. $0.075, 27,240 sq.yd. 4 in. concrete paving $0.28, ornamental lighting system, $22,673, etc., total $39,757.

Ontario — Dept. Pub. Hys., Parliament Bldgs., Toronto, extension to St. John Bridge, Contr. 1234, to F. C. Shipp, 366 Beresford Ave., Toronto $15,000, to Caledonia Rd. bridges, Contr. 1235, to W. Dillane, Aurora $15,000; Ekfrid extension to bridges, Contr. 1236, and Puce River bridge, Raleigh Twp., Contr. 1242, to Hyland Constr. Co., 72 St. Mary St., Toronto, $16,000 and $20,000 respectively; Crosby and Portland extension Contr. 1236, to Wilkinson & Bows, Port Hope, $20,000; Delhi Bridge, and Jeannette Creek Bridge, Contr. 1240, Contr. 1238, to W. E. Tidy, 394 Runnymede Rd., Toronto, $15,000 and $18,000 respectively; Freeport Bridge, Contr. 1239, to Campbell & Lattimore, York Bldg., Toronto, $15,000; Dredge Cut Bridge, Contr. 1243, and Tilbury East Culverts, and Raleigh Town line Bridge, Contr. 1241, to Holdcroft Contg. Co., Box 62, Kingston, $30,000; Simpsons, Pardos, Dawsons and Benedicts Gullies, Raleigh Twp., Contrs.

STATION FINISH—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., May 27, for station finish at 5th Ave. Station, Routes Nos. 35 and 67, (A) Werner-Mitchell Co., Inc., 1 DeKalb Ave., Brooklyn, (awarded contract); (B) Charles Meads & Co., 217 West 14th St., New York; (C) Charles H. Brown, 7 East 42nd St., New York. The unit bids are as follows:

		A	B	C
12,000 sq.ft.	white glazed tile 3x6 in. (a) straight	$1.41	$1.50	$1.30
10 sq.ft.	(b) 1 in. radius (combination)	2.93	4.00	3.00
200 sq.ft.	(c) 2½-in. radius	2.93	4.00	3.00
10 sq.ft.	(d) 20-in. radius (curved and combination)	2.93	4.00	1.50
11,000 sq.ft.	white glazed tile, 4¼x4¼-in. (a) straight	1.41	1.50	1.30
10 sq.ft.	(b) 1-in. radius (combination)	2.93	4.00	3.00
200 sq.ft.	(c) 2½-in. radius (combination)	2.93	4.00	3.00
10 sq.ft.	(d) 20-in. radius (curved and combination)	2.93	4.00	1.50
10 lin.ft.	white glazed tile bead (a) 1-in. radius	1.15	3.00	1.00
4,500 sq.ft.	weatherproof vitrified or semi-vit. color tile (a) straight	2.20	2.40	2.25
10 sq.ft.	(b) 1-in. radius (combination)	3.50	4.00	4.00
100 sq.ft.	(c) 2½-in. radius (combination)	3.50	4.00	3.75
10 sq.ft.	(d) 20-in. radius (curved and combination)	3.50	4.00	3.75
2,000 sq.ft.	mosaic and tile bands in colors	3.04	3.20	3.30
70	plaques of mosaic and tile (a) on station walls	4.00	25.00	5.00
40 sq.ft.	mosaic and tile tablets indicating destination, toilets, etc	5.30	5.00	5.00
300 sq.yd.	plastering (except on booths, (a) concrete brick, H.T.	1.40	1.50	1.50
10 sq.yd.	(b) metal lath	1.75	2.00	1.50
2,000 sq.ft.	cement floor, wainscot, bases, etc. (a) wainscot, bases	.32	.40	.35
100 sq.ft.	(d) finisn on concrete brick, H.T.	.35	.40	.50
300 sq. ft.	(f) 1-in. floor finish	.14	.20	.25
27,000 sq.ft.	(h) 3-in. floor finish	.20	.15	.35
200 cu.yd.	concrete work (b) concrete foundations	14.40	30.00	35.00
50 cu.ft.	(c) reinforced concrete, other coping, stairs, etc	.65	2.00	2.00
200 cu.ft.	(d) protected concrete for columns, beams, etc.	1.05	1.50	2.50
100 cu.ft.	(i) concrete coping and landing (street)	1.40	2.00	2.00
200 cu.ft.	(j) concrete coping and landing (other than street)	1.40	2.00	2.00
50 cu.yd.	cinder fill	11.00	4.00	5.00
1,600 lin.ft.	tread concrete stairs and landings, etc. (a) self-support, stairs	1.95	2.20	2.25
130 sq.ft.	(b) self-support stair landings	.80	1.00	1.25
480 lin.ft.	tread (c) supported stairs	1.45	2.00	1.75
950 sq.ft.	(d) supported stair landing	.80	1.00	.50
260 lin.ft.	(g) cement bases or wall strings	.33	.40	.40
160 lin.ft.	(h) cement finish on exposed sides	.33	.40	.40
400 sq.ft.	non-slip tile treads	1.85	2.40	2.00
70 sq.ft.	non-slip aluminum treads	8.60	3.00	5.00
2,800 cu.ft.	brick masonry (except in walls of change booth) (c) common	1.25	1.50	1.50
20 cu.ft.	hollow tile masonry (except in walls of change booth) (a) 2 in.	1.50	2.00	1.75
5,000 cu.ft.	(b) 3 in.	1.10	1.20	1.25
700 sq.ft.	(c) 4 in.	.85	1.00	1.25
400	weepholes in H.T. sidewalls	.30	.50	.50
100	galvanized strap anchors	1.00	1.00	2.00
10 sq.yd.	metal lath (except ceiling of change booth) (a) without furring	1.00	2.00	1.50
10 sq.yd.	(b) with furring	1.75	3.00	2.00
2	masonry change booths (a) type "IB"	1,225.00	1,500.00	2,000.00
2	metal toilet stall partitions and accessories (a) men's toilet	70.00	80.00	100.00
2	(b) women's toilet	75.00	90.00	100.00
1	(c) posts	15.00	25.00	50.00
2	kalamein doors (except change booth) (a) Type "A"	72.00	80.00	80.00
5	(d) "D"	67.00	70.00	80.00
1	(dd) "Da"	55.00	60.00	80.00
2 pr.	(g) "G"	65.00	80.00	95.00
1	(k) "K"	55.00	50.00	50.00
1 pr.	(kk) "KK"	78.00	70.00	75.00
2	(m) "M"	65.00	70.00	80.00
1	(p) "P"	42.00	50.00	50.00
40 sq.ft.	kalamein windows (except change booth (g) hinged sash	3.50	4.00	4.50
8	additional hardware (b) extra heavy door checks	8.75	12.00	8.80
5	(c) overhead stops	4.50	15.00	4.50
5	(d) swing door stops	5.25	6.00	5.15
2	(e) rubber covered chains	3.95	5.00	3.95
3	(f) heavy mortise dead locks	6.00	30.00	6.00
4	(h) pin-tumbler cabinet locks	4.25	8.00	4.20
3	(m) push plates (bronze)	6.75	8.00	6.85

			A	B	C
3	(o)	heavy door pulls (bronze)	8.50	10.00	8.65
3 pr.	(g)	Kick plates (bronze)	17.95	20.00	17.90
6	(r)	heavy mortise locks (5 tumblers)	15.00	30.00	14.65
2	(t)	heavy mortise latches	12.75	20.00	12.65
2 set.	(x)	hasp and staples or pr. padlock eyes	1.00	5.00	.85
5	(dd)	coat hooks	.50	3.00	.40
8	(ee)	transom chain	.75	6.00	.65
4	(ff)	transom catch	.75	6.00	.60
360 lin.ft. railings		(a) Type "FS"	7.25	8.00	10.00
60 lin.ft.	(aa)	Type "FSd"	7.75	9.00	12.00
130 sq.ft.	(c)	Type "GS"	1.35	2.00	1.50
75 lin.ft.	(e)	Type "LS"	8.00	9.00	11.00
150 sq.ft.	(f)	Type "BS"	2.40	3.00	2.75
90 lin.ft.	(g)	pipe	3.75	4.00	4.00
12 lin.ft. gates and appurtenances		(b) high sliding	17.50	20.00	25.00
10 lin.ft.	(d)	high swing	19.50	20.00	25.00
4	(g)	additional high posts	15.00	16.00	50.00
2	(r)	steel gate post, cross frame, etc.	57.50	80.00	70.00
120 sq.ft. signs	(g)	enamelled sign plates	1.65	1.80	1.75
10 sq.ft.	(k)	frames for suspended direction	5.00	4.00	5.00
4	(mm)	frames for station name sign	27.50	40.00	50.00
1 bronze sign			125.00	75.00	150.00
60 lin.ft. street railing		(b) Type "K"	21.00	25.00	25.00
110 lin.ft. special street railing		(a) Type "AA"	18.50	16.00	25.00
45 lin.ft.		(b) Type "BB"	46.50	40.00	60.00
500 lb. steel ladders, platforms, etc.		(f) miscellaneous steel shapes	.10	.20	.20
100 lb.	(j)	steel rods and bar in concrete	075	.10	.30
20 lin. ft.	(k)	steel ladders with rung	3.50	5.00	6.00
200 lb. miscellaneous iron castings, etc.			.23	.25	.20
500 lin.ft. hand-rails		(a) oak	1.75	2.00	1.75
50 lin.ft.		(d) bronze	12.50	5.00	25.00
1,000 lin.ft. platform edge construction complete			.65	.60	.75
Rough plumbing work		(a) 5th Ave. Sta. (lump sum)	1,850.00	1,200.00	4,000.00
100 lin.ft. floor drainage fitting, etc.		(a) 3-in. c.i. pipe	1.25	1.00	3.00
22		(b) c.i. covers for inlets	11.00	10.00	15.00
5		(c) cleanouts	11.00	10.00	10.00
4 plumbing fixtures		(a) water closet bowls	88.00	90.00	100.00
2		(b) lavatories in station	82.00	75.00	100.00
2		(d) urinals	134.00	150.00	175.00
1		(g) slop sink in closets	80.00	75.00	75.00
1		(h) floor drains	16.00	25.00	20.00
2		(k) wash sinks	86.00	85.00	150.00
6		(g) floor push button boxes	40.00	80.00	100.00
50 sq.ft. structural slate		(m) wainscot on walls	1.60	1.60	1.75
75 sq.ft.		(n) pipe chamber partitions	1.60	1.60	1.75
15 lin.ft.		(r) curved corners and angles	2.50	2.50	3.50
650 lb. steel angles, plates, etc., for supporting slate			.17	.20	.25
6 frame c.i. or steel register faces, etc.		(a) register faces and frame	11.00	12.00	15.00
1 frame bronze register face, etc.			110.00	40.00	125.00
850 lin.ft. w.i. or steel elec. conduits, except lamp post, change booth		(a) ¾ in.	.40	.40	.35
1,900 lin.ft.		(b) 1 in.	.52	.55	.55
600 lin.ft.		(c) 1½ in.	.76	1.00	.85
550 lin.ft.		(d) 2 in.	.90	1.50	1.20
35 c.i. outlet boxes including covers (except where incl. in payment for booth)			2.00	3.00	1.40
1 c.i. pull box (except where incl. in payment for booth)		(a) 6x6x6 in.	7.00	10.00	6.25
15		(f) 6x6x4 in.	6.00	8.00	5.30
5		(i) 18x8x4 in.	7.75	10.00	6.55
4		(j) 18x8x6 in.	9.50	12.00	11.25
4 c.i. heater boxes			40.00	40.00	50.00
2 steel panel board boxes		(l) 27x6-in. boxes from 49 to 60 in. long	70.00	60.00	56.25
1 57x6-in. box from 49 to 62 in. long			77.00	100.00	90.00
1,200 sq.ft. painting iron, steel, plaster, etc.		(a) 2 coat work, iron or steel	.06	.06	.06
7,300 sq.ft.		(b) 3 coat work, iron or steel	.065	.07	.08
35,000 sq.ft.		(c) 2 coat work, concrete, cement, plaster	.055	.06	.07
200		(d) painting letters and numerals	.11	.20	.20
15,000 sq.ft.		(i) additional coat	.02	.03	.02
Providing stairwell opening stairways "F" and "G", Sect. No. 159 (lump sum)			1,000.00	100.00	500.00
Extended totals			$107,650	$118,553	$127,014

Streets and Roads (Continued)

1244, 1245, 1246, 1247, respectively, to Veteran Constr. Co., 99 Sheridan Ave., Toronto, $70,000. Grand total $234,000.

Ontario — Dept. Pub. Hys., Parliament Bldgs., Toronto, concrete paving 9.26 mi. Contr. 1190, to G. B. Wheeler, 58 Pine Crest, Toronto $270,000, 2.5 mi. Contr. 1203, to Godson Contg. Co., 203 Richmond St., West Toronto $75,000, 4.08 mi. Contr. 1204, to King & Holmes, Oakville $120,000, 7.3 mi. Contr. 1206, to Check Contg. Co., MacDougall Ave., Windsor $210,000, 6.6 mi. Contr. 1207, to Johnson Bros., 43 Market St., Brantford $200,000, 7.62 mi. Contr. 1209, to W. H. Harvey & Sons, Deseronto, $225,000; bituminous penetration macadam paving 4 mi. Contr. 1214, to McDonnell & Diblee, 26 Victoria Sq., Montreal, Que. $80,000, 3.2 mi. Contr. 1215, to McLean & Stedwell, Cornwall $60,000, 1.27 mi. Contr. 1217 and 2.3 mi. Contr. 1218, to Law Constr. Co., Ltd., 50 Yonge St. Arcade, Toronto, $25,000 and $50,000 respectively; 3 mi. earth excav. and ditching, Contr. 1222, to W. C. Cascoden, Aylmer $150,000, Contr. 1223, to T. J. McLean & Son, Wingham, $25,000, 0.85 mi. Contr. 1224, to Campbell & Lattimore, York Bldg., Toronto, $20,000, 0.7 mi. Contr. 1225, to J. Bohan, West Monkton, $25,000; surfacing treating 9 mi. Contrs. 1226 and 1228, to Municipal Road Spraying & Oiling Co., 50 Yonge St. Arcade, Toronto $15,000, 12.7 mi. Contrs. 1229 and 1230, to R. Honsberger, Vineland $20,000, 28.2 mi. Contrs. 1231, 1232 and 1233, to Bituminous Spraying Co., Confederation Life Bldg., Toronto, $45,000; installing field tile in Contrs. 1248 and 1249; to Farmers Drainage Co., Ltd., 110 Dundas St., London. Grand total $1,555,000.

Ont., Amherstburg—Essex Co., rein.-con. paving 45,000 sq.yd. Front Rd., to Cadwell Sand & Gravel Co., 228 Sandwich St., Windsor, $106,492; tiling, to Hayes Constr. Co., Mersea. Engrs. total est. $130,000. Noted June 4.

Ont., Brockville—Dept. Provincial Highways, Toronto, concrete paving 3.2 mi. road from point 4 mi. west of here, to McLean & Stidwell, Cornwall.

Ont., Gananoque — City, asphaltic concrete paving 1 mi. King St. W., to Ontario Amiesite Co., Dominion Bank Bldg., Toronto; and King St., to Standard Paving Co., Central Chambers, Ottawa. Engrs. est. $50,000. Noted June 4.

Ont., Guelph—Wellington Co., rein.-con. paving ¾ mi. various roads, to W. L. Malcolm, Kingston, $25,000. Noted May 21.

Ont., Kingsville—Essex Co., grading and rein.-con. paving 18,000 sq.yd. Division Rd., to Check Contg. Co., MacDougall Ave., Windsor, $44,573. Engrs. est. $45,000.

Ont., Paisley — Paving Main St., butiminous penetration, to J. McKinnon, Paisley. Engrs. est. $35,000. Noted Apr. 3.

Ont., Port Hope — Town, improving various streets, 11,500 lin.ft. each curbing and guttering, 21,000 ft. asphaltic concrete paving, to Godson Contg. Co., 203 Richmond St., Toronto. Engrs. est. $90,000. Noted June 11.

Ont., Timmons — Waterbound macadam paving ½ mi. main streets, 30 ft. up, to McNamara Constr. Co., Saute Ste. Marie, $30,000.

Ont., Toronto—Bd. Control, asphalt on concrete paving Beaufort Rd., Sect. B, and Main St., Sect. B, to Grant Constr. Co., 47 Wellington St. E., $7,720 and $17,399 respectively; Main St., Sect. A, to Godson Contg. Co., 203 Richmond St. W., $7,126; Glenlake and Welland Aves., to Warren Bituminous Paving Co., 54 University Ave., $8,582 and $4,888 respectively; also Beaufort Rd., Sect. A, will be done by day labor, $7,874. Engrs. est. $55,000.

Ont., Toronto—To Grant Contg. Co., 47 Wellington St. E., concrete paving Briar Hill Ave. $4,584, Lascelles Blvd. $5,102, and St. Clements Ave. $4,277; to Construction & Paving Co., Confederation Life Bldg., asphalt on concrete paving Burnside Dr. $9,791; by day labor, bituminous concrete on concrete paving Meagher Ave. $9,396, Newmarket Ave. $12,156, and Woodlee Rd. $2,944. Engrs. est. $50,000. R. C. Harris, City Hall, engr.

B. C., Vancouver—To G. W. Ledingham, 348 8th Ave. E., improving various streets, 1½ mi. concrete curbing at $0.60 per ft., and 6½ mi. concrete sidewalks $0.155 per ft., etc., total $39,838.

B. C., West Vancouver — Hardsurfacing with penetration macadam various streets, to Dawson, Wade & Co., Bekins Bldg., Vancouver, $43,782. Engrs. est. $45,000.

Buildings—Industrial

PROPOSED WORK

Mass., Boston—FACTORY—S. M. Howes Co., 509 Medford St., Charlestown, having plans prepared 3 and 4 story, brick, Medford St., here. $100,000. Fay, Spofford & Thorndike, 200 Devonshire St., engrs.

Mass., Boston — REPAIR SHOP and GARAGE—Dedham & Hyde Park Gas & Electric Co., 1242 River St., Hyde Park, having preliminary plans prepared by W. D. Brown, 45 Milk St., Hyde Park, 1 story, brick, River St., here. $40,000.

Mass., East Somerville (mail Somerville) —PLANT—Ford Motor Co., Highland Park, Detroit, Mich. E. Ford, pres., takes bids about July 10, 1 story, 300 x 1160 ft., timber, Middlesex Ave., here. $4,000,000. A. Kahn, Inc., Marquette Bldg., Detroit, Mich., Archts. Noted Dec. 11.

Mass., Newton Centre (br. of Boston)—REPAIR and SERVICE GARAGE—Newton Center Garage, Inc., c/o N. Appleyard, 729 Beacon St., taking bids 2 story, 20,000 sq.ft. floor space, rein.-con. and brick, plain foundation. $125,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, archts.

Conn., New Haven—FACTORY—Sargent & Co., Water and Wallace Sts., had plans prepared by Westcott & Mapes, 139 Orange St., 1 story, 60 x 210 ft., brick and steel addition. $75,000.

Ala., Wetumpka—POWER PLANT—Alabama Power Co., B. M. Bldg., Birmingham, plans new hydro-electric power plant, 175,000 hp. in five 35,000 hp. turbines, incl. dam 90 ft. high, 300,000 cu.yd. concrete, on Coosa River, near here. $13,000,000.

O., Cleveland — SUB-STATION — Cleveland Electric Illuminating Co., c/o E. J. Cook, Illuminating Bldg., had plans prepared 1 story, 60 x 60 ft., brick, steel and concrete, East 86th St. and Harvard Ave. $50,000. Private plans.

O., Salem—FACTORY—Salem Rubber Co. plans 2 story factory addition, Elm St., $40,000; also purchased Niles Tube Co. plant, Niles, O., and plans moving equipment to above addition.

Ind., Anderson — SUB-STATION — City and Remy Electric Plant 1, plan light and power sub-station, Columbus Ave. and 24th St. E. H. Driscoll, Light Plant, East 12th St., engr.

Ill., South Beloit (mail Beloit, Wis.)—FACTORY—J. H. Esser, archt., 82 Wisconsin St., Milwaukee, Wis., soon lets contract, 3 story and basement, 42 x 250 ft., and 50 x 80 ft. factory, and 20 x 40 ft. boiler room, brick and timber, for Freeman Shoe Mfg. Co., 300 St. Paul Ave., Beloit, Wis. $85,000.

Mo., Kansas City—FACTORY—E. M. Crago of Crago Gear & Machine Wks., 1416 Walnut St., plans 3 story and basement, 66 x 100 ft., rein.-con. and brick, 615 East 17th St. $50,000. Engineer and architect not selected.

Calif., Modesto—PACKING PLANT—Modesto Fruit Exchange, 906 11th St., plans packing plant, 7th St. $40,000 or more.

Calif., Newark—PLANT—Morton Salt Co., 625 3rd St., San Francisco, plans salt plant, here. To exceed $40,000, with equipment.

Calif., San Jose—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., San Francisco, plans rein.-con. sub-station, on 100 x 200 ft. site, Branham Oaks Subdivision, here. Private plans.

Calif., Fresno — BOILER PLANT — Fresno Co., D. M. Barnwell, clk., having plans prepared by C. E. Butner, Cory Bldg., fireproof boiler plant, for hospital. $50,000-$60,000.

BIDS DESIRED

Mass., Boston—PLANT—James Russell Boiler Wks., 9 Dewar St., Dorchester, taking bids 1 story, brick, boiler works addition, here. $40,000.

Buildings—Industrial (Continued)

Mass., Everett — PLANT — Merrimack Chemical Co., 148 State St., Boston, taking bids 2 story, 75 x 140 ft., timber manufacturing building, here. $100,000. Private plans.

Mass., North Abington — PLANT — Plymouth Rock Ice Cream Co., taking bids 2 story, 50 x 157 ft. ice cream plant, brick and steel. To exceed $40,000. McCormick Co., 121 South Negley St., Pittsburgh, Pa., archts.

Mass., North Dighton—DYE HOUSE—Mt. Hope Finishing Co. taking bids 1 story, 100 x 210 ft., timber dye house. H. M. Burke, c/o owners, archt. and engr.

Mass., Watertown (Ind. br. Boston) — DYEHOUSE — Brusene Co., Watertown (Bemis Station) taking bids 1 story, brick, Stanley Ave. $40,000. Monks & Johnson, 99 Chauncy St., Boston, engrs. Noted June 25.

Mass., Williamsett — MANUFACTURING—B. F. Perkins & Son, Inc., Holyoke, taking bids 1 story, 80 x 260 ft. machine shop with 40 ft. craneway, and 2 story, 80 x 150 ft. building, here. Lockwood, Greene & Co., 24 Federal St., Boston, engrs. Noted June 4.

R. I., East Providence (Providence P. O.) —STOREHOUSE—Bird & Sons, Inc., East Walpole, Mass., taking bids 1 and 2 story, brick and steel storehouse, plain foundation. $150,000. Monks & Johnson, 99 Chauncy St., Boston, engrs. Noted June 25.

Conn., Hartford — REPAIR SHOP and GARAGE—Dept. State Police, 100 Washington St., taking bids 1 and 2 story, 55 x 145 ft., rein.-con., brick and steel, plain foundation. $65,000. Buck & Sheldon, Inc., 60 Prospect St., engrs. and archts.

N. Y., Brooklyn—HOUSING STATION —July 13, by W. W. Mills, comr. Plant & Structures, Municipal Bldg., New York City, housing station, New York Ave. between Winthrop St. and Parkside Ave., here.

Pa., Connellsville — MILL — Connellsville Silk Co., taking bids 1, 2 and 3 story, 60 x 120 ft., brick and steel addition. $50,000. Lockwood, Greene & Co., 1 Pershing Sq., New York City, archts. and engrs.

Fla., Bradenton — GAS PLANT, etc. — July 27, by City, c/o R. K. Van Camp, comr. Pub. Wks., carburetted water or oil gas plant and distribution system, etc. J. B. McCrary Eng. Corp., Atlanta, Ga., engrs.; adv. E. N.-R. July 9.

O., Cleveland—TRANSFORMER HOUSE —July 17, by City, H. Wright, dir. Pub. Utilities, City Hall, 1 story and basement, 34 x 57 ft., brick, steel and concrete, Windsor Ave. $40,000. H. Kregelius, 604 City Hall, archt.

Ind., Alexandria — FACTORY — Banner Rock Products Co., taking bids 1 or 2 story, 160 x 200 ft. factory, replacing one recently destroyed by fire, West Side. Archts. est. $50,000.

Wis., Baraboo — REPAIR SHOP — W. Halbersleben, hy. comr. Sauk Co., taking bids 1 story, 42 x 100 ft., brick repair shop. H. E. French, City Hall, archt.

Wis., Racine — FOUNDRY — Standard Fdry. Co., 1600 Kewaunee St., and A. A. Wickland & Co., archts. and engrs., 5 South Wabash Ave., Chicago, taking bids (1st unit) 1 story, brick and steel foundry. $125,000. Noted Apr. 30.

BIDS RECEIVED

N. Y., New York—HEADQUARTERS—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., July 1, repairing headquarters building at East Bronx pipe yard, Zerega and Houghton Aves., Sect. 1, masonry work, from G. A. Glantz, 409 Lexington Ave., $47,900; Sect. 2, iron fencing and paving, from Balbaban Gordon Co., 116 West 39th St., $5,100. Noted June 2.

CONTRACTS AWARDED

Conn., Waterbury—FACTORY—French Mfg. Co., 128 Robbins St., 1 story, 80 x 265 ft., brick addition with 40 x 50 ft. ell, Grandview Ave., to Torrington Building Co., 182 Church St. Archts. est. $125,000.

N. Y., St. George—POWER PLANT—See "Unclassified."

Pa., Phila.—GARAGE and SERVICE—C. W. Rudisill, c/o W. H. Lee, archt., 1505 Race St., 1 story and part basement, 82 x 246 ft., brick, King St. and Queen Lane, to Nelson Pedley Co., Corn Exch. Bank Bldg., $90,000.

Va., Alexandria — POWER PLANT — Alexandria Lighting Co., 524 King St. retained Day & Zimmerman, Inc., archts., 1600 Walnut St., Phila., Pa., to design and construct power plant addition, incl. new boiler, etc.

S. C., Anderson—WAREHOUSE—Gluck Mills, 50 x 100 ft. warehouse addition, to Gallivan Constr. Co., Greenville.

O., Cleveland Heights (Warrensville P. O.) — FACTORY and COMMERCIAL — Cedar-Lee Cleaners, c/o W. E. Krieger, mgr., 13185 Cedar Rd., Cleveland, 1 story, 40 x 130 ft., brick and steel, 13185 Cedar Rd., to Mitzel-Shields Co., Rose Bldg., Cleveland. Archts. est. $40,000. Noted June 18.

Ill., Joliet — BOILER HOUSE and LAUNDRY—See "Buildings—Commercial."

Wis., Milwaukee—SHOP—W. O. Goodrich Co., 30th and Hopkins Sts., 2 story, rein.-con. work shop for seed elevator, plain foundation, to Burrell Eng. & Constr. Co., 513 West Jackson Blvd., Chicago, Ill. Archts. est. $40,000.

Wis., South Milwaukee — FACTORY — Line Material Co., 2 story, 80 x 200 ft., brick and timber addition, plain foundation, to Bentley Bros., 808 South Pierce St., Milwaukee.

Calif., San Francisco — FACTORY — Egyptian Lacquer Co., 50 Main St., 1 story, concrete factory, Howard and Russ Sts., to G. P. W. Jensen, 320 Market St., $40,000.

Calif., San Mateo—CREAMERY—Peninsula Creamery Co., 225 Railroad Ave., 2 story, rein.-con., 3rd St. and Railroad Ave., to Industrial Constr. Co., 815 Bryant St., San Francisco, $55,000.

B. C., Vancouver—DAIRY and GARAGE —Fraser Valley Milk Producers Assn., 405 8th Ave. W., will build 3 story, 60 x 120 ft. milk plant, 3 story, 99 x 122 ft. stable, and 1 story, 73 x 122 ft. garage, all rein.-con., plain foundations, Yukon St. and 8th Ave., by day labor. $150,000. P. P. Brown, 410 London Bldg., engr. Noted Oct. 23, 1924.

Buildings—Commercial

PROPOSED WORK

N. H., Concord—HOME—First Church of Christ Scientist, 20 Greenleaf St., Boston, having preliminary plans prepared by A. H. Bowditch, 44 Bromfield St., Boston, 2 story, brick and stone, Pleasant St. $150,000.

Mass., Boston—APARTMENT—Carlin & Cherney, 115 Brighton St., having preliminary plans prepared by G. N. Jacobs, 4 Park St., 2 story and basement, brick and stone, 250 Beacon St., Back Bay Section. $1,000,000.

Mass., Boston — HOTEL — Statler Hotel Co., 33rd St. and 7th Ave., New York City, having revised plans prepared by G. B. Post & Co., 101 Park Ave., New York City, and soon takes bids 14 story and basement, brick, stone and terra cotta, Providence St., Columbus and St. James Aves. $4,000,000. Noted Mar. 5.

Mass., Brookline (Boston P. O.)—HOME —New England Deaconess Assn., 6 Deaconess Rd., having sketches made by E. W. Deering, 10 Deaconess Rd., 3 story and basement, brick and tile home. $150,000 or more.

Mass., Cambridge — OFFICE — Warren Bros., 9 Cambridge St., Boston, plans 3 story and basement, brick, Memorial Dr., here. To exceed $150,000. Engineer and architect not selected.

Mass., Dedham—OFFICE and STORE—B. De Lorenzo, 619 Moody St., Waltham, having plans prepared by W. H. Haines, 32 Riverview Ave., Waltham, 2 or more story, brick, Dedham Sq. $150,000 or more.

Mass., Dorchester (Boston P. O.)—STATION—Transit Dept., 1 Beacon St., Boston, T. F. Sullivan, chn., plans tunnel station at Harrison Sq., here. To exceed $150,000.

Mass., Newton (Ind. br. Boston)—HOSPITAL—Newton Hospital, c/o Densmore, LeClear & Robbins, archts., Park Sq. Bldg., Boston, having preliminary plans prepared 2 and 3 story, brick, Washington St., here. Noted Mar. 19.

Mass., Roxbury (Boston P. O.)—APARTMENT—Castlegate Realty Co., c/o E. Saklad, Pemberton Bldg., having plans prepared by S. S. Levy, 35 Court St., Boston, 3 story and basement, brick and stone, Castlegate Rd., Washington and Normandy Sts. $150,000.

Conn., Middletown — HOSPITAL — Connecticut State Hospital, plans remodeling central section of present main building. $150,000 appropriated.

Conn., Storrs — DORMITORY — Storrs Agricultural College plans new dormitory. $168,400 appropriated.

N. Y., New York—LOFT—Fur Manufacturers Building Co., Inc., c/o Schwartz & Gross, archts., 347 5th Ave., having plans prepared 14 story, fireproof, 249 West 29th St.

N. J., Asbury Park—HOTEL—J. Goldberg (representing owner), 651 Cookman Ave., having plans prepared by C. B. Cook, Asbury Park Trust Bldg., 8 story, 66 x 125 ft., Main St. $300,000.

N. J., Camden—OFFICE—Camden Auto Realty Co., having plans prepared by Fletcher-Thompson, Inc., 415 Lexington Ave., New York City, 1 and 2 story, and basement, 120 x 200 ft., steel and timber office building, here. $150,000.

Pa., Laurelton — DORMITORY, etc. — State Bd. Charities, Harrisburg, had plans prepared by G. S. Idell, 1510 Chestnut St., Phila., and soon takes bids two 2½ story, 84 x 100 ft., rein.-con. dormitories, and 2½ story, 40 x 50 ft. superintendent's cottage, stone and timber. $175,000.

Pa., Phila.—OFFICE—R. C. Benckert, archt., Bellvue Court Bldg., preparing plans 9 story and basement, 20 x 77 ft., brick and steel, plain foundation, 13th and Chestnut Sts. Owner's name withheld.

Pa., Pittsburgh — APARTMENT — J. M. Donn, 1219 Connecticut Ave., Wash., D. C., plans 9 story and basement, 112 x 295 ft., brick and stone, Ellsworth Ave. $1,000,000. C. Garner, 336 4th Ave., Pittsburgh, representative.

Pa., Pittsburgh — CLUB — Keystone Athletic Club, 206 Westinghouse Bldg., having plans prepared by B. Jannsen, Century Bldg., 20 story and basement, 85 x 152 ft., and 35 x 52 ft., brick and steel, Wood St. and 3rd Ave. $3,000,000.

D. C., Wash.—THEATRE—C. W. Rapp & G. L. Rapp, archts., 190 North State St., Chicago, preparing plans theatre, 3,500 seating capacity, here. $4,000,000. Owners name withheld. Famous Players Lasky Corp., 485 5th Ave., New York City, lessee.

O., Akron — HOSPITAL — St. Thomas Hospital having plans prepared by F. C. Warner & W. R. McCornack, Bulkley Bldg., Cleveland, 3 story, brick, steel and concrete hospital. $500,000.

O., Cincinnati — BANK — Pearl Market Bank, 7th and Race Sts., having plans prepared by Tietig & Lee, 34 West 6th St., 8 story and basement, 60 x 90 ft., brick and rein.-con., plain foundation. $500,000.

Ind., Muncie—Y. M. C. A. of Muncie, soon takes bids 4 story, 160 x 200 ft. building incl. swimming pool, etc. $200,000.

Mich., Hamtramck (Detroit P. O.) — WAREHOUSE — Dodge Bros., Inc., 7900 Jos. Campau Ave., having plans prepared by Smith, Hinchman & Grylls, archts. and engrs., 800 Marquette Bldg., Detroit, 3 story, 150 x 300 ft., rein.-con., brick and steel, Campau Ave.

Wis., Kenosha — CLUBHOUSE and BUSINESS—Kenosha Lodge 286, Loyal Order of Moose, 406 Market St., having plans prepared by Lindl-Lesser & Schutte, 82 Wisconsin St., Milwaukee, 3 story and basement, 89 x 138 ft., rein.-con., brick and stone, plain foundation. $200,000. Noted Mar. 12.

Kan., Dodge City — AUDITORIUM — Amer. Legion, W. C. Gould, commander, will not construct auditorium. Project abandoned for time being. $200,000. Noted June 25.

Neb., Lincoln — HOTEL — Eppley Hotel Co., having plans prepared by H. L. Stevens Co., 30 North Michigan Ave., Chicago, Ill., and soon takes bids 10 story and basement, 225 room, 11th and P Sts. $750,000. Noted Feb. 14.

Mo., Kansas City—APARTMENT HOTEL—H. E. Fisher, c/o Fisher Building Co., Commerce Bldg., having plans prepared by W. J. Koch, 801 Mutual Bldg., 11 story and basement, 48 x 120 ft., rein.-con., plain foundation, 1010 Locust St. $850,000.

Mo., Kansas City—STORE and OFFICE —C. H. Smith, Bryant Bldg., having plans prepared by Shepard & Wiser, R. A. Long Bldg., 6 story and basement, 70 x 100 ft., rein.-con., brick and terra cotta, plain foundation, Baltimore St.

Mo., St. Louis—HOTEL and THEATRE —H. A. Sodine, c/o Majestic Hotel, will not construct 9 story and basement, 110 x 135 ft., concrete, brick and steel, 6th and Chestnut Sts. Project abandoned. Noted Jan. 29.

Mo., St. Louis — OFFICE — Holbrook Blackwelder, Real Estate Trust Co., 1010 Olive St., having preliminary plans prepared by P. J. Bradshaw, International Life Bldg., 20 story and basement, 53 x 109 ft., rein.-con., brick, stone and steel, Olive and 10th Sts. $1,500,000.

Tex., Port Arthur—THEATRE—Jefferson Amusement Co., c/o J. C. Clemmons, pres., having plans prepared by E. Weil, Whitney Annex, New Orleans, La., 1 story and gallery, rein.-con., brick and steel theatre.

Calif., Alhambra — HOSPITAL — Bishop Memorial Hospital Assn., c/o J. W. Smart, archt., Amberg Bldg., having plans prepared 2 story, masonry hospital, South Chapel St. $150,000.

Calif., Los Angeles—APARTMENT—H. H. Abernathy, c/o L. L. Jones, archt., Grosse Bldg., having plans prepared approximately 14 story and basement, 100 x 130 ft., rein.-con. and brick, LaBrac Ave. $650,000.

Calif., Sacramento—LODGE—Loyal Order of Moose, G. A. Bertolucci, member Building Com., Dreher Ave., plans 3 or 4

Buildings—Commercial (Continued)

story, rein.-con. lodge and store building. $150,000. Engineer and architect not selected.

Calif., San Francisco — OFFICE and THEATRE — Marian Realty Co., 1179 Market St., having plans prepared by Rousseau & Rousseau, 1179 Market St., 6 story or more, Class A office building, 8th St., and Class A theatre 4,000 seating capacity, Market St. $2,500,000. Noted Oct. 9, 1924.

BIDS DESIRED

Mass., Quincy (Boston P. O.)—HOSPITAL—City, P. E. Barbour, mayor, taking bids 2 story and basement, brick and steel hospital, plain foundation. $150,000. Stevens & Lee, 45 Newbury St., Boston, archts. Noted June 11.

Mass., Quincy (Boston P. O.) — THEATRE, etc.—Wollaston Palace Theatre Co., W. W. Wilson, pres., 64 Fenno St., taking bids 2 story, 70 x 200 ft., brick and steel theatre, store and apartment, Hancock St. $150,000. M. J. Allen, State Theatre Bldg., Massachusetts Ave., Boston, archt. Noted June 29.

Mass., Roxbury (Boston P. O.) — APARTMENT—Castlegate Realty Co., c/o E. Saklad, Pemberton Bldg., will build 3 story and basement, brick and stone, Washington and Normandy Sts. Archts. est. $150,000. Work will be done by separate contracts. S. S. Levy, 35 Court St., Boston, archt.

R. I., Woonsocket—STORE—Kane Furniture Store, 86 North Main St., taking bids 4 story and basement, 60 x 150 ft., stone and terra cotta, plain foundation, Main and Church Sts. $200,000.

R. I., Woonsocket—THEATRE, etc.—Whiting Realty Co., c/o Perry & Whipple, engrs. and archts., Hospital Trust Bldg., Providence, taking bids on revised plans 1 story, 88 x 144 ft. theater, 2 story, 48 x 64 ft. arcade, and 4 story, 55 x 112 ft. store, Monument Sq. To exceed $150,000. Noted July 24.

Conn., Norwich—HOME—Kendall, Taylor & Co., 142 Berkley St., Boston, taking bids 2 story and basement, 70 x 150 ft., brick, plain foundation, Harland St. $175,000.

Conn., Middletown—THEATRE—S. and S. Corp., 49 Rappallo Ave., taking bids 2 story, 60 x 150 ft., rein.-con., brick and steel theatre. $150,000. L. J. Thompson, 586 Corbin Ave., archt. Noted June 11.

N. Y., Buffalo—HOSPITAL—July 28, by Bd. Trustees State Institute for Study of Malignant Diseases, constructing hospital. S. W. Jones, Albany, state archt.; adv. E. N.-R. July 9.

N. Y., New York—HOSPITAL—July 22, by B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., constructing Bronx General Hospital, East 167th and 168th Sts., Walton and Gerard Aves.

N. J., Dover — HOSPITAL — July 14, by Dover Hospital Building Com., 3 story, 85 x 152 ft., hospital. F. S. and S. E. Sutton, 402 Broad St., Newark, and J. J. Vreeland, Dover, archts.

Pa., Greensburg — THEATRE — Manos Bros., 15 West Otterman St., taking bids 2 story and basement, 80 x 150 ft., brick and tile, West Otterman St. $300,000. L. H. Lempert & Son, 149 Cutler St., Rochester, N. Y., archts. Noted Jan. 8.

Pa., Lansdowne—BANK—July 10, by Bunting & Shrigley, archt., 603 Chestnut St., Phila., 2 story and basement, 46 x 70 ft., and 50 x 82 ft., brick, plain foundation, Baltimore and Lansdowne Aves., here, for Lansdowne Trust Co., Lansdowne Ave. and Pennsylvania R.R. $175,000.

Pa., Phila. — APARTMENT — J. R. and J. A. Whelen, (owners and builders) 17th and Summer Sts., taking sub-bids, 4 story and basement, 26 x 80 ft., and 47 x 150 ft., brick, plain foundation, 4th and Pine Sts. $250,000.

Pa., Phila.—HOSPITAL—July 21, by Dept. Health, W. Krusen, dir., City Hall, 4 story and basement, 45 x 126 ft., and 60 x 125 ft. administration building, 2 story and basement, 94 x 124 ft. clinic, 5 story and basement, 50 x 113 ft., and 31 x 85 ft. Childrens Ward A, 5 story and basement, 50 x 113 ft. and 30 x 83 ft. each, Womens Nervous Ward A, Womens Surgical Ward C and Mens Surgical Ward D, Womens Medical Ward E, Mens Medical Ward F and Maternity Ward G and connecting corridors, rein.-con., brick and steel, 34th and Pine Sts. $4,000,000. P. H. Johnson, 1713 Sansom St., archt.

Pa., Phila.—HOTEL—Walnut Hotel Co., 208 South 8th St., will build 4 story and basement, 22 x 197 ft., brick and steel, plain foundation, 8th and Walnut Sts. Work will be done by separate contracts. W. L. Charr, Victory Bldg., archt. Noted June 11.

Pa., Pittsburgh—APARTMENT—Manoa Realty Co., c/o H. L. Stevens & Co., archts. and engrs., 30 North Michigan Ave., Chicago, Ill., will build 9 story and basement, brick and steel addition, Bellefield Ave. $500,000. Work will be done by separate contracts.

Pa., Pittsburgh—BANK and OFFICE—F. J. Oesterling, archt., 228 Isabella St., N. S. Pittsburgh, taking sub-bids 2 story and basement addition for Colonial Trusts Co., Diamond St. $350,000. Noted Mar. 26.

Md., Baltimore—DISPENSARY—July 21, by J. E. Sperry, archt., Calvert Bldg., 8 story and basement, 169 x 238 ft., rein.-con., brick and steel, plain foundation, for Johns Hopkins Hospital & Johns Hopkins University, Monument & Wolfe Sts. $1,500,000.

Neb., Grand Island — MERCANTILE — July 25, by S. W. Woolbach & Sons, 3 story and basement, 132 x 132 ft., brick and stone mercantile building. Kirschike & Baker, McAlister Bldg., archts.

BIDS RECEIVED

Mass., Boston—COURT HOUSE—Dept. Pub. Buildings, 1 story and basement, 80 x 200 ft., rein.-con., granite and limestone, Chestnut Hill Ave. and Academy Hill Rd., from J. Slotnick, 448 Bway., Chelsea, $214,668. Noted June 18.

Conn., New Britain—SOCIAL—W. H. McKay, archt., Professional Bldg., 3 story, steel and brick, Main St., from Hayes Constr. Co., 9 Court St., for Y. M. T. A. & B. Society, W. J. Kerin, chn. $145,980. Noted June 11.

N. J., Trenton—NURSES HOME—Sisters of St. Francis, St. Francis Hospital, Chambers St., June 26, general contract 3 story nurses home, from C. J. Smith Constr. Co., 204 Academy St., $210,700; plumbing and heating, from Piper Bros., 340 North Broad St., $25,000.

Ia., Iowa City—DORMITORY—State Bd. Educ., Des Moines, general contract Mens Dormitory, 2 story and basement, rein.-con., brick and stone for State University, here, from J. H. Hunzinger Co., Security Bldg., Davenport, $145,443.

Tex., San Antonio — OFFICE and THEATRE — Kelwood Co., archts. and engrs., 907 Travis Bldg., 6 story, 112 x 194 ft., rein.-con., brick, stone, and steel, Commerce and St. Marys Sts., from A. Vogel & Co., 319 Jones Ave., for J. Oppenheimer, et al, 309 Madison St. $338,775. Noted June 11.

CONTRACTS AWARDED

Mass., West Springfield (br. of Springfield)—CLUB—Dante Club, 476 Main St., 2 story and basement, 60 x 100 ft., brick, to L. S. Wood, 14 Stockbridge St., Springfield. Archts. est. $150,000.

Pa., New Castle — POOR HOUSE — Comrs. Lawrence Co., general contract 1 and 2 story and basement, U shaped poor house, to Smith & Bauman, New Castle, $212,777. Noted June 28.

Pa., Phila. — TEMPLE — H. W. Custor, archt., Stephen Girard Bldg., 8 story basement and sub-basement, 100 x 180 ft., brick and stone, plain foundation, Broad and Race Sts., to George A. Fuller Co., Morris Bldg., Phila., for Ancient Accepted Scottish Rite of Free Masonry, Valley of Phila. Northern Masonic Jurisdiction. Archts. est. $1,000,000. Noted June 11.

Pa., Reading — BANK — Farmers Natl. Bank, 2 story, mezzanine and basement, 60 x 120 ft., brick, plain foundation, to Fink Constr. Co., 510 Walnut St., Reading.

Fla., Bradentown—APARTMENT—T. S. Willis (owner and contractor) 330 Hayes Blk., Janesville, Wis., will build 4 story, brick and concrete apartment, plain foundation, here. $175,000. Rowe, Dillard & Rowe, Tri-City Bank Bldg., archts.

Fla., Sarasota — APARTMENT — T. S. Willis (owner and contractor), 330 Hayes, Janesville, Wis., will build 3 or 4 story, brick and concrete apartment, plain foundation, here. $150,000. Rowe, Dillard & Rowe, Tri-City Bank Bldg., Brandentown, Fla., archts.

O., Cleveland — APARTMENT — G. Lubahn, 4310 West 48th St., 3 story and basement, 40 x 162 ft., brick, 1823 Crawford Rd., to Narosny & Goffman, 1031 Linn Dr. Archts. est. $150,000.

O., Cleveland — COMMERCIAL and OFFICE—Ohio Co., c/o J. F. Steffens, archt., Fidelity Mortgage Bldg., 3 story and basement, 61 x 196 ft., brick, steel and concrete, East 92nd St. and Prospect Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $250,000.

O., Cleveland — COMMERCIAL and GARAGE—V. Stewart, Union Trust Bldg., 1 and 2 story, 109 x 170 ft., brick and steel, 5340 Bway., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $150,000.

O., Dayton—TEMPLE—Dayton Masons, and Herman & Brown archts., 1129 Reibold Bldg., 3 story and basement, 150 x 260 ft., rein.-con., brick and steel, plain foundation, Stoddard St., to H. R. Blagg Co., 1211 East 3rd St., $2,000,000. Noted June 4.

Mich., Detroit — WAREHOUSE — J. G. Kastler Co., archt., 523 Detroit Savings Bank, 2 additional stories, 136 x 356 ft., rein.-con., brick and steel, Merritt and Junction Aves., to R. G. Finn Co., 584 Arden Park, for Kroger Grocery & Baking Co. Merritt Ave. Archts. est. $160,000. Noted May 14.

Ill., Joliet — ORPHANAGE, etc. — E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, Wis., 3 story and basement, 90 x 197 ft., concrete and brick orphanage, boiler house and laundry, to Immel Constr. Co., Dana Bldg., Fond Du Lac, Wis., for Guardian Angel Orphanage. $257,659. Archts. est. $350,000. Noted June 11.

Ia., Cedar Rapids—BANK and OFFICE—Merchants Natl. Bank, general contract 14 story and basement, 75 x 139 ft., rein.-con., brick and steel, 3rd Ave. and 3rd St., to Pike & Cook, 416 South 5th St., Minneapolis, Minn., $456,000. Noted Mar. 13.

Calif., Santa Monica—OFFICE—Marine Building Corp., 8 story and basement, 90 x 100 ft., brick and terra cotta, 6th St. and Santa Monica Blvd., to Western State Constr. Co., 8th St. and Santa Monica Blvd. $250,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Chelmsford—SCHOOL—School Bd. rejected bids 2 story and basement, brick school. $150,000. H. P. Graves, 40 Middlesex St., Lowell, archt. Noted Apr. 30.

Mass., Marlboro—PARISH HOUSE—St. Anns Italian Roman Catholic Church, having preliminary plans prepared by W. B. Colleary, 80 Boylston St., Boston, 2 story and basement, brick and stone, Lincoln and Gibbons Sts. $150,000.

Mass., Montague—SCHOOL—Town J. J. Quin, chn. building com. plans 2 story, brick and stone school. $150,000. Engineer and architect not selected.

Mass., Springfield — PARISH HOUSE — Hope Church, E. H. Cutter, chn. building com., plans 2 story and basement, brick parish house. $150,000 or more. Engineer and architect not selected.

Conn., Plainville — HIGH SCHOOL — School Comn., L. S. Mills, chn., receiving competitive sketches 2 story and basement, brick and steel, East St. $150,000. Noted Feb. 19.

Conn., Wallingford—HIGH SCHOOL—City, E. C. Stevens, com. head plans Junior High School, in rear of present high school, Prince St. $150,000 or more. Engineer and architect not selected.

Conn., Willimantic—SCHOOL—State Bd. Educ., State House, Hartford, appropriated $200,000 for State Normal School, here. Noted June 11.

Pa., Johnstown — SCHOOLS — St. Anthony's Italian Catholic Church, J. Anthony, pastor, plans 3 story and basement, 100 x 120 ft., rein.-con., brick and steel, Railroad and Coal Sts. $150,000. Engineer and architect not selected.

Pa., Pittsburgh — CHURCH — East End Christian Church, Alder St., having revised plans prepared by V. A. Rigamount, State Theatre, 2 story and basement. $400,000. Former bids rejected. Noted June 4.

Pa., Pittsburgh — SUNDAY SCHOOL — Emery Methodist Episcopal Church, Rippy St., having preliminary plans prepared by Ellington and associates, Wabash Bldg., 2 story and basement, 120 x 120 ft., stone and brick on hollow tile, Rippey St. $500,000.

Md., Baltimore—SCHOOL—Notre Dame School, Ashland Ave. and Aisquith St., had plans prepared by A. K. Kaiser, 1036 Ensor St., 5 story and basement, 92 x 137 ft. school, Aisquith St. and Ashland Ave. $160,000. R. Q. Herring, 3600 York Rd., engr.

N. C., Asheville—CHURCH—First Baptist Church had plans prepared 5 buildings, 4 clustering around auditorium as central unit, Woodfin and Oak Sts. $535,000. R. J. Bateman, pastor. Engineer and architect not announced. Noted Dec. 4.

N. C., Greensboro — COLLEGE — North Carolina College for Women, plans educational building to house teacher training activities, $250,000; also auditorium, 2,500 seating capacity, $350,000, both on campus. J. I. Foust, pres.

N. C., Louisburg—COLLEGE—Louisburg College plans Methodist School for girls, also several large dormitories, etc. $500,000. A. W. Mohn, Louisburg, pres.

Ky., Central City—SCHOOL—Bd. Educ. having plans prepared by H. E. Boyle & Co., Furniture Bldg., Evansville, Ind., 2 story and basement, 129 x 145 ft., rein.-con. and brick school. $150,000.

O., Lakewood (Cleveland P. O.) — SCHOOL—Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., having plans prepared by C.

Buildings—Educational, Religious (Cont.)

W. Hopkinson, Rose Bldg., Cleveland, 2 story and basement, brick, steel and concrete, northeast section. $200,000.

Ill., Urbana — SCHOOL, ETC. — University of Illinois, plans school of architecture, $500,000; armory, $425,000; and library, $500,000. Engineer not selected. Probably state architect.

Kansas—UNIVERSITY—E. L. Waldorf, bishop, (representing owner), 1121 McGee St., Kansas City, purchased 147 acre site and plans interdenominational university, 75th St. and State Line Rd., adjoining city limits of Kansas City, Mo. $10,000,000-$25,000,000.

Mo., Joplin—SCHOOLS—Defeated $750,000 bonds for schools. Noted June 18.

Mo., St. Joseph—SCHOOLS—Voted $300,000 bonds new schools, repairs and additions to existing buildings. Noted June 18.

Tex., Abilene—SCHOOLS—Election soon $258,000 bonds, new schools. Engineer and architect not announced.

Tex., Ft. Worth—SCHOOLS—Voted $2,000,000 bonds, new school buildings and school building improvements. M. H. Moore, supt. schools. Noted May 21.

Calif., Los Angeles—ACADEMY—Urban Military Academy, c/o Pacific Housing Corp., archts., 552 South Western Ave., had plans prepared 3 story and basement, 100 x 160 ft., brick, Wilcox Ave. $150,000.

Calif., Oakland—HIGH SCHOOL—City plans Frick Junior High School, rein.-con. and brick, Foothill Blvd. $350,000. Engineer and architect not selected.

Calif., San Luis Obispo — SCHOOL — State Building Comn., Sacramento, plans addition to California Polytechnic School, here. $250,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Ont., Toronto—EXHIBITION—Province Ontario, Parliament Bldgs., having plans prepared by Chapman & Oxley, Harbor Bldg., 1 and 2 story and basement exhibition building known as Ontario Government Building, rein.-con., brick, Exhibition Park. $500,000.

BIDS DESIRED

Mass., Amherst—FRATERNITY—Delta Tau Delta Fraternity, Amherst College, taking bids 3 and 4 story and basement, brick fraternity buidling. To exceed $150,000. J. D. Leland Co., 41 Mt. Vernon St., Boston, archts.

Mass., Somerset—SCHOOL—Town, Town Clerk's Office, taking bids 1 story and basement, 100 x 150 ft., brick and tile, plain foundation. $150,000. E. M. Corbert, 70 Bedford St., Fall River, archt.

Mass., South Boston (Boston P. O.)—HIGH SCHOOL—July 10, by Schoolhouse Dept., Boston, T. P. Glynn, chn., 2 story and basement, brick addition, G St. and Thomas Park, here. To exceed $150,000. Private plans. Noted Apr. 23.

Mass., Weymouth (Ind. br. Boston) — SCHOOL — School Comn. taking bids 2 story and basement, brick, Bridge St. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted May 28.

Mass., Winchester — SCHOOL — School Building Com. taking bids 2 story and basement, brick addition to Goodyear School. $150,000. W. B. Colleary, 80 Boylston St., Boston, archt. Noted Mar. 19.

N. Y., Long Island City—SCHOOL—July 14, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 114, Cronston Ave., here, for Bd. Educ., 500 Park Ave., New York City. This corrects report in July 2 issue.

N. Y., New York—SCHOOL—July 22, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 21, Spring St. from Mott to Elizabeth Sts., here, for Bd. Educ., 500 Park Ave.

Pa., Phila.—LIBRARY—July 23, by G. H. Biles, dir. Pub. Wks., (1) interior finish and decoration, (1a) main book stacks, embracing desks, stairs, railings, etc. (1b) department book stacks, embracing desk railings, stairs, etc. (1c) newspaper stacks and shelves (1d) book shelving (1e) bronze railings in main reading room (1f) wrought iron railings (1g) service counters and cases, (1h) steel cabinets and steel filing equipment, on 19th, 20th, Wood and Vine Sts., for Free Library of Phila. Former bids rejected. H. Trumbauer, Land Title Bldg., archt. Noted June 25.

Ga., Savannah—CHURCH and SUNDAY SCHOOL—July 21, by 2nd Baptist Church, 1 and 4 story and basement, 100 x 120 ft., concrete and brick church and Sunday school. N. S. Hamilton, 2 Springdale Rd., Atlanta, archt.

Mich., Detroit—SCHOOL—July 13, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, 82 x 171 ft., rein.-con., brick and steel, plain foundation, Wildemere Ave. $150,000. Malcomson & Higginbotham, 1217 Griswold St., archts.

Ill., Urbana—LIBRARY—July 22, by J. M. White, superv. archt., 256 Administration Bldg., addition to library on campus, for University of Illinois. $500,000. Noted July 2.

Wis., Cedarburg—CHURCH—July 20, by H. H. Bruns, archt., 845 26th St., Milwaukee, 2 story, 60 x 118 ft., brick and stone, plain foundation, for Immanuel Lutheran Congregation. W. H. Behrens, pastor. $150,000. Noted Mar. 19.

Ia., Waverly—SCHOOL—July 20, by Bd. Educ., M. M. Kingsley, secy., 3 story, 130 x 180 ft., rein.-con., brick and stone school with auditorium, 700 seating capacity. H. Burr, Commercial Bank Bldg., Waterloo, archt. Noted June 11.

Neb., Omaha—SCHOOLS—July 16, by Bd. Educ., 2 story and basement, fireproof, 24th and Meredith Sts. $200,000. F. F. Stott, 216 Kennedy Bldg., Omaha, engr.

Calif., Los Angeles—HIGH SCHOOL—July 15, by Bd. Educ., 3 story, 24 room, rein.-con. and brick annex to Lincoln High School. Webber, Staunton & Spaulding, Hibernian Bldg., engrs.

Calif., Sunnyvale—HIGH SCHOOL—July 16, by Trustees West Side Union High School Dist., 2 story, rein.-con. high school. $150,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Mar. 19.

BIDS RECEIVED

N. Y., Rosedale (mail Jamaica) — SCHOOL — W. H. Gompert, supt. school buildings. Flatbush Ave. extension and Concord St., Brooklyn, July 1, general contract P. S. 38, 241st St., here, for Bd. Educ., 500 Park Ave., New York City, from Eastern Constr. Co., 110 West 40th St., New York City, $280,280; heating, from Heat Control Serv. Co., 759 Park Pl., Brooklyn, $38,416. Noted June 18.

Mich., Iron Mountain — SCHOOL — Bd. Educ. Breitung Twp. June 20, 2 story and basement, brick and tile school, near here, from A. J. Verville Co., 609 Hancock Ave., $99,470. Noted June 25.

Calif., Los Angeles—HIGH SCHOOLS—City, general contract Edison Junior High School, from Bradley Constr. Co., 1925 East 16th St., Los Angeles, $294,843; also general contract Robert Louis Stevenson Junior High School 3 story, 244 x 225 ft. auditorium, 2 story, 52 x 100 ft. classroom building and 1 story, 52 x 131 ft. shop, brick and rein.-con., from Salih Bros., Detwiler Bldg., Los Angeles, $286,354. Noted June 11 and 18.

CONTRACTS AWARDED

Me., Brewer — SCHOOL — City, H. R. Houston, supt. schools, 2 story and basement, 96 x 162 ft., rein.-con., brick and stone, to Richard Kennedy & Co., Inc., Portland, Me. Archts. est. $170,000. Noted June 25.

Mass., Andover—AUDITORIUM—Phillips Andover Academy, A. E. Stearns, principal, new auditorium on campus, to Thompson-Starret Co., 250 Park Ave., New York City. Archts. est. $500,000.

Mass., Boston — PARISH HOUSE and CHAPEL—Second Congregational Church, V. Dabney, 6 Melville Ave., Dorchester, 2 story and basement, brick and timber, Codman Sq., to Holt-Fairchild, Co., 7 Water St. Archts. est. $150,000. Noted Apr. 16.

Pa., Wayne — HIGH SCHOOL — School Dept. Radner Twp., E. E. Trout, secy., Junior and Senior High School, 2 story and basement, 185 x 197 ft., to M. Melody & Sons Co., 1322 Race St., Phila., $408,500. Noted July 2.

Md., Baltimore—SCHOOL—Peabody Institution, Mt. Vernon Pl., and Charles St., 6 story, 72 x 155 ft., stone, brick and steel, plain foundation, 21, 23-25 East Mt. Vernon Pl., to Consolidated Eng. Co., 20 East Franklin St., Baltimore, $500,000.

O., Cincinnati — COLLEGE — City, City Hall, 3 story and basement, 60 x 207 ft., rein.-con., brick and steel, plain foundation, Clifton Ave., to W. Miller & Sons, Elm St., $325,000.

Mo., Hannibal — HIGH SCHOOL — Bd. Educ., Eugene Field Junior High School, 2 story and basement, rein.-con., brick and stone, to Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, $199,400. Former contract rescinded. Noted May 21.

Tex., Austin—RECITATION—State University of Texas, E. J. Mathews, secy. Bd. Regents, 3 story and basement, 83 x 154 ft., rein.-con., brick and stone, on campus, to McKenzie Constr. Co., 716 Travis Bldg., San Antonio, $318,400. Noted Jan. 1.

Tex., Houston—HIGH SCHOOLS—H. L. Mills, bus. mgr. Bd. Educ., Heights Senior High School, and North Side Senior High School, to Standard Constr. Co., 337 Humble Bldg., $308,900 and $204,100 respectively; West End Jr. High School, to Universal Constr. Co., Heights Blvd. and 13th St., $128,000, all 3 story, rein.-con., brick and steel. Noted Feb. 26.

Colo., Denver—SCHOOL—City, 4 story, 68 x 123 ft., rein.-con., brick and steel, 13th and Welton Sts., general contracts, to F. H. Cowell, Central Savings Bank Bldg., $129,497. Noted June 4.

Colo., Longmont — HIGH SCHOOL — W. N. Bowman, archt., Insurance Bldg., Denver, 3 story, with 65 x 240 ft., and 60 x 100 ft. wings, rein.-con., brick and steel, general contract, to Peterman & Cooper, Greeley, $146,850. Noted June 4.

Federal Government Work

PROPOSED WORK

Fla., Pensacola — Storage Tanks — Spec. 5083—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids two 90,000 gal. steel tanks, pumphouse, etc., here. Noted June 25.

BIDS DESIRED

Mass., Boston—Dredging—Aug. 6, by U. S. Engineer Office, Custom House, dredging Broad Sound, Boston Harbor; adv. E. N.-R. July 9.

Md., Baltimore—Dredging—Aug. 5, at U. S. Engineers Office, dredging in Baltimore Harbor and channels; adv. E. N.-R. July 9.

D. C., Wash.—Elevator, Car Wheels, etc. —July 10, at office General Purchasing Officer of Panama Canal, elevator car wheels, magnet wire, lumber, etc.

D. C., Wash.—Sheet Iron, etc.—July 15, at office A. L. Flint, genl. purch. officer of Panama Canal, sheet iron or steel, steel bars, sheet lead, steel and manila rope, generators, etc.

D. C., Wash.—Waterworks—July 31, at U. S. Engineers Office, 1068 Navy Dept. Bldg., constructing 2nd and 3rd high pipe lines for District of Columbia water supply project; adv. E. N.-R. July 9.

Ky., Louisville—Wicket Irons, etc.—Aug. 3, at U. S. Engineers Office, Box 72, wicket irons, horses and props for Dam 47, Ohio River; adv. E. N.-R. July 9.

Ill., Bloomington—Post Office—July 27, by Treas. Dept. at office J. A. Wetmore, superv. archt., Treas. Dept., Wash., D. C., extensions to mailing vestibule and driveway, etc. in post office, here; adv. E. N.-R. July 9.

Idaho, Sandpoint—Post Office—July 28, by Treas. Dept. at office Supervising Archt., Wash., D. C., 2 story, brick post office, here; adv. E. N.-R. July 9.

Nev., Fallon—Post Office—July 24, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here; adv. E. N.-R. July 9.

Calif., Red Bluff — Roads — July 29, by G. E. Goodwin, ch. civil engr. Natl. Park Serv. at office U. S. Commissioner, Bank of Tehama County Bldg., constructing and reconstructing 9 to 11 mi. road in Lassen Volcanic Natl. Park. A. B. Cammerer, acting dir.; adv. E. N.-R. July 9.

BIDS RECEIVED

N. J., Paterson — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, from G. H. Cooper, 165 Tillary St., Brooklyn, N. Y., $8,200. Noted May 28.

Md., Baltimore—Sewers—Treas. Dept., Wash., D. C., new sewerage and drainage at Marine Hospital, here, from Kirwan Eng. Co., Baltimore, $4,500. Noted May 28.

D. C., Wash.—Nurses Quarters—Dept. Interior, Nurses Quarters at Freedman Hospital, from G. G. Loehler Co., Franklin Natl. Bank Bldg., $54,400.

Fla., St. Petersburg—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., extending post office, here, from G. E. Tillman, Centralia, Ill., $3,690. Noted May 28.

Ill., Great Lakes—Stokers—Spec. 5031—Bureau Yards & Docks, Naval Dept., Wash., D. C., mechanical stokers at Naval Training Station, here, from Harman Eng. Co., 844 North Rush St., Chicago, Ill., $23,300. Noted June 18.

Montana—Road—G. E. Goodwin, engr., Portland, Ore., grading, etc. 12.4 mi. Logan

Federal Government Work (Continued)

Pass, in Glacier Natl. Park, 18 ft., from J. F. Haley, Bozeman.

Oregon—Road—C. H. Purcell, dist. engr., Bureau Pub. Roads, Post Office Bldg., Portland, June 12, grading and paving 5.4 mi. Siskiyou Natl. Forest Rd., 18 ft., Josephine Co., here, from W. Von der Hellin, Medford, $27,750.

CONTRACTS AWARDED

Md., Annapolis—Waterworks—Spec. 5119—Bureau Yards & Docks, Navy Dept., Wash., D. C., 80,000 gal. rein.-con. settling basin, here, to McCay & Kirtland, 638 Equitable Bldg., Baltimore, $3,870 (60 days). Noted June 25.

Va., Quantico—Coal Bins—Spec. 5085—Bureau Yards & Docks, Navy Dept., Wash., D. C., elevated timber coal storage bins, at Marine Base, here, to Cranford Paving Co., 3056 K St., Wash., D. C., $37,744 (60 days). Noted June 25.

Va., Quantico—Dredging—Spec. 5125—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Base, here, to McLean Constr. Co., 1415 Fidelity Bldg., Baltimore, Md., $0.489 per cu.yd., total $10,000. Noted June 25.

S. C., Parris Island—Pier—Spec. 5047—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to pier at Marine Base here, to Austin Eng. Co., 121 West 42nd St., New York City, $73,497 (180 days).

Ga., Brunswick—Electric Light Plant—Treas. Dept., Wash., D. C., electric light plant at Quarantine Sta., here, to United Electric Co., Brunswick, $2,323. Noted May 21.

Colorado—Road—Bureau Pub. Rds., 301 Custom House Bldg., Denver, grading 2.92 mi. Independence Pass Natl. Forest Rd., Pitkin Co., to Stamey-Mackey Constr. Co., Colorado Springs, $38,142. Noted June 25.

Calif., Livermore—Pipe Line—U. S. Veterans Bureau, Wash., D. C., pipe line at hospital, here, to M. Murphy, 1321 Nebraska St., Berkeley, $11,950.

Unclassified

PROPOSED WORK

Playground—West Roxbury (Boston P. O.), **Mass.**—Street Laying Out Dept., Boston, plans playground, Brookside Ave. and Cornwall St., here. $25,000. J. F. Sullivan, chn.

Coal Trestle, etc.—Storrs, Conn.—Storrs Agricultural College plans coal trestle and equipment. $40,000 appropriated.

Swimming Pool — Muncie, Ind. — See "Buildings—Commercial."

Cemetery Improvements—Iron Mountain, Mich. — Election July 21, $40,000 bonds cemetery improvements. Engineer not selected. H. C. Lindholm, city clk.

Mess Halls, etc. — Camp Grant (P. O. Grant), **Ill.**—State Building Comn., Springfield, plans concrete and steel mess halls, 48 new latrines and bath houses, corrals and picket lines, artillery range, grading parade grounds, draining tented area, etc. $400,000. C. E. Black, Illinois Natl. Guard, Springfield, adj. genl.

Subway — Chicago, Ill. — City takes bids in August, rein.-con. subway under Chicago & Northwestern R.R. tracks on McCormick Highway along North Shore Channel. $500,000.

Heating and Ventilating—Fort Atkinson, Wis.—School Bd., J. Schreiner, clk., making plans new steam heating and ventilating system in grade school. $25,000. Van Ryn & De Gelleke, 114 Grand Ave., Milwaukee, engrs.

Stadium, Football Fields, etc.—Texarkana, Ark.—Grim Memorial Park making plans rein.-con. and brick stadium, elliptical shape, major diam., 490 ft. minor diam., 372 ft. running track, football and baseball fields, dressing rooms, shower baths, etc. Witt, Seibert & Halsey, Texarkana, engrs.

Power Line — Texas — Comal Light & Power Co., New Braunfels (subsidiary of San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio), making surveys over 100 mi. light and transmission line from plant at New Braunfels to connect towns of McQueenie, Schertz, Seguin, Marion, etc., $400,000; also 83 mi. overhead line from San Antonio to Hunter, $332,000. H. V. Braunig, supt. Electrical Dept. Pub. Serv. Co., San Antonio.

Transmission and Light Line—Texas—Texas Light & Power Co., Waco, plans 150 mi. light and power line from Waco to Hunter. $600,000.

Engine and Generator—Norman, Okla.—City making preliminary plans new 200-hp. Diesel engine and generator unit for waterworks. $30,000. F. Cobb, Norman, engr.

Wharf, etc.—Berkeley, Calif.—Golden Gate Ferry Co., 525 Market St., San Francisco, plans 18,000 ft. concrete pile wharf, and two ferry slips, $1,000,000; also constructing 3 ferry boats, $1,000,000.

Lighting System—Los Angeles, Calif.—Made plans pressed steel standards on 1st St. between Evergreen and Mott Sts., Glendale Blvd. between Baxter and Temple Sts., and Maplewood Ave. between Western and Van Ness Aves. To exceed $25,000.

Roof Truss—Los Angeles, Calif.—State Building Comn., Sacramento, plans steel roof truss over drill court, here. $100,000. B. G. McDougall, Forum Bldg., Sacramento, archt.

Roof Truss—San Francisco, Calif.—State Building Comn., Sacramento, plans steel roof trussss over drill court, here. $100,000. B. G. McDougall, Forum Bldg., Sacramento, archt.

BIDS DESIRED

Borings, etc.—New York, N. Y.—July 17, by Bd. Transportation, 49 Lafayette St., borings along St. Nicholas and Ft. Washington Aves., Bway. and site of 207th St. Yard, Agreement DZ, also furnishing track materials (Order 7).

Retaining Walls—Yonkers, N. Y.—July 21, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, concrete retaining walls on Nepperham Heights Sect. of Saw Mill River Parkway, here. J. Downer, ch. engr.; adv. E. N.-R. July 9.

Recreation Pier — St. Petersburg, Fla. — Aug. 1, by City, 1,800 ft. concrete recreation pier, 100 ft., with 370 x 400 ft. pier head, 140 x 160 ft. story casino. $1,000,000. Brinkerhoff & Douglas, 74 Pine St., New York City, engrs. Noted June 18.

Culverts—Eldorado, Kan.—See "Bridges."

BIDS RECEIVED

Pier Repairs—Boston, Mass.—Dept. Pub. Wks. (Ferry Service) repairing piers at South Ferry, from Rendle Corp., 271 Marginal St., East Boston, $42,360. Noted June 18.

Pier and Bulkhead—New York, N. Y.—M. Cosgrove, comr. Docks, Pier A, Battery Pl., North River, July 1, Pier New 35 and bulkhead, East River between Rutgers Slip and Clinton St., Contr. 1848, from Henry Steers, Inc., 17 Battery Pl., $186,058. Noted June 25.

Subway, etc. — New York, N. Y. — Bd. Transportation, 49 Lafayette St., July 3, constructing Sect. 4, Route 78, along and under St. Nicholas Ave. from West 33rd to 141st Sts., from G. J. Atwell Co., 347 Madison Ave., $3,374,000; also special work Order 29, for Westchester Ave. Yard approach, from W. Wharton, Jr., Inc., 30 Church St., $13,774. Noted July 2.

Subway—Jersey City, N. J.—State Hy. Comn., Trenton, 1,600 ft. extension Route 1, incl. subsurface work, sewers, water pipes, paving, etc., from Pub. Serv. Production Co., 80 Park Pl., Newark, $1,176,601. Noted June 18.

Causeway—Dallas, Tex.—M. G. James, city secy., 7,200 ft. concrete causeway across Gorza Reservoir, at Fish Trap Crossing near Mingo Station, from Hill, Wilson & Watson, 604 North Texas Bldg., Dallas, $58,641. Engrs. est. $60,000. Noted June 11.

Grain Elevator—Houston, Tex.—J. S. Metcalf Co., engrs., 608 South La Salle St., Chicago, Ill., 62 x 142 ft. grain elevator, rein.-con., 194 ft. high, 1,200,000 bu. capacity, with 56 rein.-con. bins, from Fegles Constr. Co., 706 1st Ave. N., Minneapolis, Minn., $1,030,000. Noted June 11.

Transmission Lines — California — Great Western Power Co., 530 Bush St., San Francisco, 104 mi. 220,000 v. transmission line from Merced to Brighton. $2,750,000. Private plans.

Breakwater—Long Beach, Calif.—C. H. Windham, city mgr., 6,984 lin.ft. rubble mound breakwater 4,242 lin.ft. rubble mound moles, and 2,028 lin.ft. rubble mound bulkhead, approximately 1,600,000 tons stone, from Hauser Constr. Co., Hutchinson Bldg., Oakland, at $1.70 per ton. Noted June 4.

Lighting System—Los Angeles, Calif.—Ornamental street lighting system in 9th St. between Figueroa St. and Vermont Ave., from R. A. Wattson, 1026 McCadden Pl., $54,927.

Lighting System — Pasadena, Calif. — Light system, power wiring, underground conduits, etc., in Lake Ave. between Colorado and California Sts., from E. A. Irish, I. W. Hellman Bldg., Los Angeles, $25,977; also in San Rafael Ave. between Colorado St. and San Rafael bridge, from Underground Constr. Co., 517 South Bway., Pasadena, $43,066.

CONTRACTS AWARDED

Bulkhead—New York, N. Y.—Bd. Transportation, 49 Lafayette St., bulkhead at 148th St. and Lenox Ave. Yard, to A. N. Spooner & Sons, Inc., Pier 11 North River, $466,314. Noted June 18.

Conduit Line, etc.—St. George, N. Y.—Staten Island Edison Corp., commissioned J. G. White Eng. Corp., 43 Exchange Pl., New York City, to design and construct 9,000 ft. conduit line along North Shore and Baltimore & Ohio Right-of-Way from Livingston power house west of Livingston Ave., containing two 33,000 v. cables, etc., also combined substation will be constructed containing apparatus for both lighting and railroad service.

Subway—Beaver Falls, Pa.—Pittsburgh & Lake Erie R.R., South Smithfield St., Pittsburgh, subways, station platforms and culverts in connections with 3rd and 4th track construction along line between College and Fallston Stations, here, to W. F. Trimble & Sons Co., 1719 Pennsylvania Ave., Pittsburgh, $40,000.

Stadium—Easton, Pa.—Lafayette College, concrete stadium, 32,000 seating capacity, to E. Dunn & Co., Inc., Greensburg. Engrs. est. $500,000.

Dock, Barge, etc.—Baton Rouge, La.—Comn. Council, docks and wharves, to Raymond Concrete Pile Co., Healey Bldg., Atlanta, Ga., $221,850; barge, to Midland Barge Co., Midland, Pa., $64,545; link belt conveyor, to Link Belt Co., New Orleans, $39,297. Noted June 25.

Oil Tanks—Baton Rouge, La.—Standard Oil Co. of Louisiana, 28 oil storage tanks, 55,000 bbl. capacity, to Petroleum Iron Wks., Sharon, Pa.

Stadium—Madison, Wis.—W. R. Winckler, city clk., rein.-con. and steel stadium at Stevens Athletic Field, to G. Nelson, 1117 West Johnson St., $45,654. Engrs. est. $50,000. Noted June 4.

Culverts, etc. — Sigourney, Ia. — Keokuk Co., 27 concrete culverts in various parts of county, to Hildebrand & Kraugh, Belmond, $19,400; tile drainage work on Primary Project 246, to H. Neilson, Moline, Ill., $9,654.

Culverts — Toledo, Ia. — Tama Co., 13 rein.-con. culverts, to E. Wolfe, Toledo, $9,550; 23 culverts, to Waugh & Tackman, Clarksville, $9,487; and 14 culverts, to A. Olson Constr. Co., Waterloo, $10,300.

Guard Rail—South Dakota—State Hy. Comn., Pierre, to Kibbey Eng. Co., 650 Builders Exch., Minneapolis, Minn., 1,368 ft. wire cable guardrail, Project 180, Walworth Co. $418, 688 ft. Project 134, Douglas Co. $266, 1,432 ft. Project 670, Clay Co. $451, 1,280 ft. Project 130B, Custer Co. $358, 9,120 ft. Project 180B and C, Corson Co. $2,884, 960 ft. Project 185A, Jones Co. $434, 8,268 ft. Project 187B, Charles Mix Co. $2,746, 8,600 ft. Project 87A, Gregory Co. $2,890, 782 ft. Project 166, McCook Co. $313, 1,408 ft. Project 172D, Edmunds Co. $1,056, 2,416 ft. Project 158A, Clay Co. $784, and 3,104 ft. Project 149A, B and C, Spink Co., $1,050. Grand total $13,650. Noted June 25.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Hill St. between Pico and Jefferson Sts., to Newbery Electric Corp., 726 South Olive St., Los Angeles, $46,928.

Lighting System—Santa Monica, Calif.—See "Streets and Roads."

Materials

BIDS DESIRED

Rock Asphalt—New York, N. Y.—July 15, by J. E. Bowe, comr. Purchase, Kentucky rock asphalt, to Dept. Parks.

Road Oil, etc. — Knoxville, Ill. — Knox Twp. taking bids 30,000 to 50,000 gal. road oil, Ill. E-2 or E-3, f.o.b. Knoxville. C. Wyman, Knoxville, highway comr.

Road Oil — Victoria, Ill. — Copley Twp. Knox Co., taking bids 48,000 gal. 60-70 per cent asphalt road oil. N. Norberg, Victoria, highway comr.

Cement, etc.—St. Paul, Minn.—July 14, by A. E. Eggert, city purch. agt., 889 bbls. Portland cement, 82 tons asphalt, etc., for paving West 7th St. between Seven Corners and Tuscarora Ave. G. M. Shepard, city engr.

Wire Cable—Sacramento, Calif.—July 16, by M. G. Denton, city clk., 7,000 ft. 6-conductor copper No. 14 B and S wire cable.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: July 27.

Bridge Work

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION
Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the:

Construction of two concrete bridges with concrete abutments founded on timber piling, located on State Highway Route No. 4, Section No. 30, in Ocean County.

Bridge at M. P. 26.2 over Cedar Creek having a clear span of 10 ft. 0 in., and bridge at M. P. 27.5 over Mill Creek having a clear span of 30 ft. 0 in.

Bids for the above will be received at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, July 27th, 1925, at eleven o'clock (11:00 A.M.), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10) upon application to the State Highway Department, Room 901, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the 1924 specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and the name and section of route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: July 27.

Road Work

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION
Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the following:

ROUTE No. 7, SECTION No. 5

Construction of Route No. 7, Section No. 5, Jerseyville to Freehold, in the County of Monmouth. Estimated 24,004 cu.yds. excavation unclassified, 41,919 cu.yds. Borrow; 44,447 sq.yds. single line reinforced concrete pavement; 25,390 sq.yds. of gravel surfaces.

Bids for the above will be received at the office of the State Highway Commission, 9th floor Broad Street Bank Building, Trenton, New Jersey, on Monday, July 27th, 1925, at eleven o'clock (11:00 A.M.), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders.

OFFICIAL PROPOSALS

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By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: July 30.

Sanitary Sewer System

Colonie, N. Y.

PROPOSAL FOR FURNISHING MATERIAL AND CONSTRUCTING A COMPLETE SANITARY SEWER SYSTEM WITH DISPOSAL PLANT FOR SCHOOL DISTRICT NO. 22, COLONIE, N. Y., will be received at the Maplewood School, Maplewood, Colonie, N. Y., until 2:00 p.m., on the 30th day of July, 1925.

The work will consist of about 3.2 miles of 8", 10", 12", 15" and 18" Vitrified Pipe Sewers, with manholes, flush tanks and appurtenances, together with a disposal plant, consisting of screen chamber, settling tanks, sludge beds and sludge pumping station.

Each proposal must be accompanied by a certified check, payable to the Sewer Commission, School District No. 22, Colonie, N. Y., in an amount equal to 5% of the bid, as a guarantee that the contract will be entered into if awarded. A bond of fifty per cent (50%) of the contract price will be required. Payments will be made on monthly estimates.

Plans and specifications are on file at the office of the Sewer Commission, Cohoes Road, Colonie, N. Y., and also at the office of Solomon & Keis and H. E. Gabriels, 257 Broadway, Troy, N. Y., and with the Engineering News-Record, New York City.

Bidders may obtain copies from the Engineers by enclosing check for twenty-five dollars ($25), payable to the Engineers, and to be held by them until return of plans and specifications. The Commission reserves the right to reject any and all bids.

SEWER COMMISSIONERS, SCHOOL DISTRICT NO. 22, COLONIE, N. Y.
ANDREW PETREGAL,
Chairman.

SOLOMON & KEIS
and
H. E. GABRIELS,
Engineers,
Troy, New York.

Bids: July 25.

Dam

Charlottesville, Va.

Sealed Proposals will be received at noon, July 25, at the office of the Mayor, Pulaski, Virginia, for the construction of the rock fill dam. Plans are on file with the Mayor and the office of S. B. Williamson, 702 National Bank Bldg., Charlottesville, Virginia. Plans may be obtained from S. B. Williamson upon deposit of $15. The right is reserved to reject any or all bids.

E. W. CALFEE.

OFFICIAL PROPOSALS

Bids: July 16.

Grading Work

Bayonne, N. J.

SEALED PROPOSALS will be received by the Board of Education, of the City of Bayonne, New Jersey, at the meeting rooms of said Board, 651 Broadway, Bayonne, N. J., on

THURSDAY, JULY 16th, 1925
AT 8:00 O'CLOCK, P.M.
(DAYLIGHT SAVING TIME)

For furnishing all labor and material for grading grounds of the Junior High-Vocational School, at Avenue A and 30th Street, in accordance with plans and specifications on file in the office of the Secretary.

All bids must be submitted in sealed envelopes, plainly endorsed with name of the bidder and the nature of the bid and handed in at the meeting when called for.

A certified check or surety bond for 10% of the amount bid must accompany each proposal.

In order to facilitate the award of the contract to the lowest bidder on the night the bids are received, since time for starting the work is of the utmost importance and in order to give to the committee of the Junior High-Vocational School an opportunity to examine and determine the qualifications of all bidders, no bid will be considered unless the bidder or bidders shall submit to the Junior High-Vocational School Committee at the office of the Board of Education on or before 8 P.M., July 13th, 1925, a statement certifying that he or they have done similar work and proportionate in amount to the contemplated contract.

The Board reserves the right to reject any or all bids.

By order of the Board of Education, of the City of Bayonne, N. J.

JOSEPH A. SKLENAR,
Secretary.

Dated: July 7, 1925.

Bids: July 22.

Building Improvements

Ogdensburg, N. Y.

NOTICE TO BIDDERS: Sealed proposals for Construction, Doors, etc., also for Fire Escapes (Exit Facilities and Fire Stops) St. Lawrence State Hospital, Ogdensburgh, N. Y., will be received by State Hospital Commission, Capitol, Albany, N. Y., until 2 o'clock P.M. (Eastern Standard Time), Wednesday, July 22nd, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4581. The right is reserved to reject any or all bids. Drawings and specifications may be examined at St. Lawrence State Hospital, Ogdensburgh, N. Y.; at the New York office of the Department of Architecture, 18th Floor Flatiron Building, Broadway & 23rd St.; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect, from the Department of Architecture, Capitol, Albany, N. Y., upon a deposit in the sum of $10.00 of money, or certified check made payable to the State of New York for each set of Construction drawings and specifications, which deposit will be returned if the drawings and specifications are received in good condition by the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: May 25, 1925.

CONSTRUCTION NEWS

Engineering News-Record, July 16, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Waterworks and filtration, Chicago, Ill., plans to supply 21 suburban towns, $11,000,000.

Tunnel, Minnesota, Superior Tunnel Co. plans tunnel, $4,000,000.

Hotel, Santa Barbara, Calif., W. L. Richmond plans hotel, $2,500,000.

Hotel, theatre, Kansas City, Mo., W. C. Gumm having plans prepared, $2,500,000.

High schools, Pittsburgh, Pa., Bd. of Educ. having plans prepared, $2,404,750.

Hotel, Oakland, Calif., Boulevard Hotel Co. having preliminary plans prepared, $2,000,000.

Hotel, Tampa, Fla., Tribune Pub. Co. having plans prepared, $1,500,000.

Office and theatre, Kansas City, Mo., had plans prepared, $1,500,000.

Office, Indianapolis, Ind., Chamber of Commerce having plans prepared, $1,500,000.

Apartment Hotel and Theatre, New York, N. Y., Lebanon Building Corp. plans, $1,500,000.

Hotel, New York, N. Y., Seventeenth St. Corp. having sketches made, $1,250,000.

Bids Wanted On Big Jobs

Generating Station, Cleveland, O., Cleveland Electric Illuminating Co., $10,000,000.

Schools, Chicago, Ill., Bd. of Educ. takes bids in August on 7 schools, total, $7,000,000.

Power plant, Beaumont, Tex., East Texas Electric Co. soon takes bids, $5,000,000.

Plant, Cincinnati, O., Cincinnati Enquirer, $2,500,000.

Office, Houston, Tex., N. Esperson Estate, Aug. 1, $2,000,000.

Large Contracts Let During Week

Subways, New York, N. Y., Bd. of Transportation, two subways, etc., total contracts, $10,769,079.

Office, Chicago, Ill., Riverside Plaza Corp. to Starrett & Dilks, $7,000,000.

Bank and Office, New York, N. Y., M. M. Natanson to G. R. Davis, $4,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
July 20	Hernando, Miss.	July 9
July 20	Downers Grove, Ill.	July 9
July 20	New York, N. Y.	July 9
July 20	Dayton, O.	July 16
July 20	Minneapolis, Minn.	July 16
July 21	Lansing, Ill.	July 2
July 21	Burlington, Ia.	July 9
July 21	Eugene, Ore.	July 9
July 22	Calallen, Tex.	July 2
	Adv. July 2 to 16.	
July 22	Phila., Pa.	July 16
July 22	La Plata, Mo.	July 16
July 22	Boston, Mass.	July 16
July 23	Boston, Mass.	July 16
July 24	Brooklyn, N. Y.	July 16
July 27	Omaha, Neb.	June 25
July 27	Bradenton, Fla.	July 9
	Adv. July 2 to 16.	
July 27	Omaha, Neb.	July 9
July 28	Leesville, S. C.	June 25
July 28	Paynesville, Minn.	July 16
July 30	Phillips, Neb.	July 16
Aug. 4	St. Louis, Mo.	July 9
	Adv. July 9 and 16.	
Sept. 4	Oakland, Calif.	July 9
	SEWERS	
July 17	Camden, N. Y.	July 16
July 18	Columbus, O.	July 9
July 20	Fairview, O.	July 9
July 20	San Luis Obispo, Calif.	July 9
July 20	Akron, O.	July 16
July 20	Detroit, Mich.	July 16
July 21	Punta Gordo, Fla.	July 2
	Adv. July 9 and 16.	
July 21	Illinois	July 9
July 21	Waterloo, Ia.	July 16
July 21	Altoona, Pa.	July 16
July 22	Grand Rapids, Mich.	July 2
July 22	Kenora, Ont.	July 16
July 22	La Plata, Mo.	July 16
July 23	Kansas City, Mo.	July 9
	Adv. July 9 and 16.	
July 23	Massillon O.	July 16
July 27	Bradenton, Fla.	July 9
	Adv. July 2 to 16.	
July 27	Gary, Ind.	July 16
	Adv. July 16.	
July 28	Louisville, Ky.	July 9
	Adv. July 9 and 16.	
July 28	Leesville, S. C.	June 25
July 28	Paynesville, Minn.	July 16
July 30	Colonie, N. Y.	July 16
	Adv. July 9 and 16.	
July 31	St. Bernard (Br. Cincinnati) O.	July 16
July 31	Chattanooga, Tenn.	July 16
Aug. 1	Chicago, Ill.	July 9
Aug. 3	Plainfield, N. J.	July 16
	Adv. July 16.	
Aug. 4	Paducah, Ky.	July 9
Aug. 4	Belzoni, Miss.	July 16
	Adv. July 16.	
Aug. 18	Lynn, Mass.	July 9
	Adv. July 9 and 16.	
	WASTE DISPOSAL	
July 27	New Bedford, Mass.	July 16
	Adv. July 16.	
	BRIDGES	
July 17	Boston, Mass.	July 16
July 17	Ohio	July 16
July 20	Welland, Ont.	July 2
July 20	Ontario	July 9
July 21	Media, Pa.	July 9
July 21	Boston, Mass.	July 16
July 22	San Francisco, Calif.	July 2
July 22	New York, N. Y.	July 16
July 24	Missouri	July 16
July 24	Grand Haven, Mich.	July 16
July 24	Walla Walla, Wash.	July 16
July 27	New Jersey	July 9
	Adv. July 9 and 16.	
July 28	Merced, Calif.	July 2
July 28	Indiana	July 16
July 30	Mercer, Pa.	July 16
	Adv. July 16.	
Aug. 3	Portchester, N. Y.	July 16
	Adv. July 16.	
Aug. 5	Roach (mail Salt Rock), W. Va.	July 9
	Adv. July 9 and 16.	
	DAMS	
July 21	Yonkers, N. Y.	July 9
	Adv. July 2 to 16.	
July 25	Pulaski, Va.	July 9
	Adv. July 16.	
July 27	San Antonio, Tex.	July 2
July 29	New Brunswick	July 16
	RAILWAYS	
July 18	New Brunswick	July 16
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
July 18	Barron, Wis.	July 16
July 20	Crown Point, Ind.	July 16
July 22	Canisteo, N. Y.	July 9
	Adv. July 2 and 9.	
	STREETS AND ROADS	
July 17	North Bay, Ont.	July 16
July 17	Saulte Ste. Marie, Ont.	July 16
July 17	Quebec	July 16
July 20	Moultrie, Ga.	July 9
July 20	New Jersey	July 9
July 20	New York, N. Y.	July 9
July 20	Patton, Pa.	July 9
July 20	Chapel Hill, N. C.	July 16
July 20	Clearwater, Fla.	July 16
July 20	Saulte Ste. Marie, Ont.	July 16
July 20	Winthrop Harbor, Ill.	July 16
July 20	New York, N. Y.	July 16
July 20	Boston, Mass.	July 16
July 20	Milwaukee, Wis.	July 16
July 21	Florida	July 2
July 21	North Carolina	July 2
July 21	Louisiana	July 9
July 21	North Carolina	July 9
	Adv. July 9 and 16.	
July 21	Minnesota	July 9
July 21	Boston, Mass.	July 16
July 21	Phila., Pa.	July 16
July 21	Summit, N. J.	July 16
	Adv. July 16.	
July 21	Milwaukee, Wis.	July 16
July 21	St. Paul, Minn.	July 16
July 21	Neosha, Mo.	July 16
July 22	Franklinton, La.	July 9
July 22	Northbrook, Ill.	July 16
July 22	Glenville, W. Va.	July 16
July 22	Cleveland, O.	July 16
July 23	Louisiana	July 9
July 23	Virginia	July 16
	Adv. July 16.	
July 23	Dayton, O.	July 16
July 23	Michigan	July 16
July 23	North Dakota	July 16
July 23	Wisconsin	July 16
July 24	Pennsylvania	July 9
	Adv. July 9 and 16.	
July 24	Olean, N. Y.	July 9
July 24	New Jersey	July 16
July 24	Michigan	July 16
July 24	Henrietta, Tex.	July 16
July 24	Boston, Tex.	July 16
July 24	West Palm Beach, Fla.	July 16
	Adv. July 16.	
July 24	Elwood City, Pa.	July 16
	Adv. July 16.	
July 24	Missouri	July 16
July 27	Sacramento, Calif.	July 9
July 27	Kansas City, Kan.	July 9
July 27	New Jersey	July 9
	Adv. July 9 and 16.	
July 28	Tuskegee, Ala.	July 16
	Adv. July 16.	
July 28	Philadelphia, Miss.	July 16
July 28	South Carolina	July 16
July 29	Nevada	July 16
July 29	Nebraska	July 16
July 30	Chickasha, Okla.	July 9
July 30	New Jersey	July 9
	Adv. July 9 and 16.	
July 30	Nebraska	July 16
July 31	Saltillo, Coahuila, Mexico	July 16
July 31	Nebraska	July 16
Aug. 1	Birmingham, Ala.	June 25
Aug. 3	Pineville, W. Va.	July 9
	Adv. July 9 and 16.	
Aug. 3	New York	July 16
	Adv. July 16.	
Aug. 3	New Mexico	July 16
Aug. 3	Fayetteville, W. Va.	July 16
	Adv. July 16.	
Aug. 4	Florida	July 16
Aug. 5	Delaware	July 16
	Adv. July 16.	
Aug. 9	Chickasha, Okla.	July 9
Aug. 11	Clayton, Mo.	July 9
Aug. 11	Brooklyn, N. Y.	July 16
	Adv. July 16.	
Sept. 22	New Orleans, La.	July 2
Sept. 24	New Orleans, La.	July 2

Bids Close		See Eng. News-Record

BUILDINGS—INDUSTRIAL

July 17	Cleveland, O.	July 9
July 17	Phila., Pa.	July 16
July 18	Cleveland, O.	July 16
July 18	Waterbury, Conn.	July 16
July 20	Brooklyn, N. Y.	July 16
July 20	Milwaukee, Wis.	July 16
July 27	Bradenton, Fla.	July 9
	Adv. July 2 to 16.	

BUILDINGS—COMMERCIAL

July 18	Creighton, Pa.	July 16
July 20	Milwaukee, Wis.	July 16
July 20	Willimantic, Conn.	July 16
July 21	Ithaca, N. Y.	July 2
July 21	Baltimore, Md.	July 9
July 21	Phila., Pa.	July 9
July 22	New York, N. Y.	July 9
July 22	Urbana, Ill.	July 9
July 25	Grand Island, Neb.	July 9
July 25	Phila., Pa.	July 16
July 27	New Brunswick, N. J.	July 16
July 27	Waukesha, Wis.	July 16
July 28	Buffalo, N. Y.	July 9
July 28	Tecumseh, Oklo.	July 16

BUILDINGS—EDUCATIONAL, RELIGIOUS

July 16	Stamford, Conn.	July 16
July 20	Danbury, Conn.	July 16
July 20	Tacony (Sta. Phila.), Pa.	July 16
July 21	Savannah, Ga.	July 9
July 21	Erie, Pa.	July 16
July 22	New York, N. Y.	July 9
July 22	Buffalo, N. Y.	July 16
July 23	Phila., Pa.	July 9
July 27	Kankakee, Ill.	July 2
July 28	Hawthorne, Mass.	July 16
July 29	Clearwater, Fla.	July 16

FEDERAL GOVERNMENT WORK

July 20	Crane—Florence, Ala.	June 11
	Adv. June 11 to July 16.	
July 20	Water Pipe—Wash., D. C.	July 16
July 21	Lock Gates—Florence, Ala.	July 2
	Adv. June 25 to July 16.	
July 22	Barge, etc.—San Diego, Calif.	July 16
July 23	Current Retards—Kansas City, Mo.	July 16
July 24	Post Office—Fallon, Nev.	July 9
July 27	Post Office—Bloomington, Ill.	July 9
July 28	Post Office—Sandpoint, Idaho	July 9
July 29	Roads—Red Bluff, Calif.	July 9
July 29	Hospital—Canacao, P. I.	May 21
July 29	Dredging—San Francisco, Calif.	July 16
July 29	Fire Protection—Baltimore, Md.	July 16
	Adv. July 16.	
July 31	Dredging—New Haven, Conn.	July 16
	Adv. July 16.	
July 31	Waterworks—Wash., D. C.	July 9
	Adv. July 9 and 16.	
July 31	Post Office—Ithaca, N. Y.	July 16
July 31	Pipe Line—Wash., D. C.	July 16
July 31	Dredging — New Haven, Conn.	July 16
	Adv. July 16.	
Aug. 3	Wicket Iron, etc.—Louisville, Ky.	July 9
	Adv. July 9 and 16.	
Aug. 3	Stone—Phila., Pa.	July 16
Aug. 4	Hospital—Hot Springs, S. D.	June 25
	Adv. July 2 to 16.	
Aug. 4	Water Piping—Boston, Mass.	July 16
	Adv. July 16.	
Aug. 4	Metal Doors—Florence, Ala.	July 16
	Adv. July 16.	
Aug. 5	Dredging—Baltimore, Md.	July 9
	Adv. July 9 and 16.	
Aug. 5	Remodeling—Lexington, Ky.	July 16
	Adv. July 16.	
Aug. 5	Welfare Building—Phila., Pa.	July 16
Aug. 6	Dredging—Boston, Mass.	July 9
	Adv. July 2 to 16.	
Aug. 20	Power Plant—Yuma, Ariz.	July 16
	Adv. July 16.	

UNCLASSIFIED

July 17	Borings—New York, N. Y.	July 9
July 21	Retaining Walls—Yonkers, N. Y.	July 9
	Adv. July 9 and 16.	
July 22	Gallow Frames—Brooklyn, N. Y.	July 16
July 22	Wharf—Point Au Pere, Quebec	July 16
July 24	Subway—New York, N. Y.	July 16
Aug. 1	Recreation Pier, etc.—St. Petersburg, Fla	July 9
Aug. 10	Electric Capstans, etc.—Napier, New Zealand	June 25
Aug. 18	Subway—Phila., Pa.	July 16
	Adv. July 16.	

MATERIALS

July 20	Pipe—New York, N. Y.	July 2
July 20	Road Oil—Galesburg, Ill.	July 16
Aug. 3	Ties—Montreal, Que.	July 16
Aug. 12	Steel Sheets—Melbourne, Australia	July 16
Aug. 26	Rails—Melbourne, Australia	July 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Fla., Port Richey—Election July 21, $80,000 bonds, for waterworks. E. M. Avery, mayor.

Miss., Columbus—Election July 22, $30,000 bonds, waterworks improvements.

Tenn., Brownsville — Election July 16, $45,000 bonds, enlarging and improving waterworks, incl. mains, fire hydrants, etc.

O., Cleveland—Making plans 54 x 100 ft., brick, steel and concrete pump house, etc. $250,000. H. Kregelius, City Hall, archt.

Ill., Alton—Alton Water Co., plans to expend $35,000, extending mains in various streets.

Ill., Chicago — Plans waterworks, plant 36 m.g., and filtration 50 m.g. capacity to supply 21 suburban towns. $11,000,000. Alvord, Burdick & House, Hartford Bldg., engrs.

Ill., Staunton—Making preliminary plans dam and impounding reservoir, filtration plant, pumping equipment, pipe line, tank on tower, mains, etc. $200,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Ill., Winnetka—Makings plans enlarging filtration plant, incl. 4 filters, 3 m.g. total capacity, gradulation basin 250,000 gal. capacity, filtered water basin, etc. Alternate bids on basin 400,000 gal. capacity and basin 1,150,000 gal. capacity. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ia., O'Brien — Made plans waterworks. $15,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Mo., Charleston — Election soon $60,000 bonds, waterworks. F. L. Wilcox, Chemical Bldg., St. Louis, engr.

Mo., Malden — Election soon $53,000 bonds waterworks and electric light improvements. F. L. Wilcox, Chemical Bldg., St. Louis, engr.

Tex., Jayton—Takes bids after Aug. 10, waterworks improvements, incl. 3 or 4 mi. 6 in. pipe line from present reservoir, etc. $50,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs. Noted May 21.

Tex., Lubbock — Voted $150,000 bonds waterworks improvements, additional mains, pumping equipment, etc. J. R. Germany, city secy. Noted June 25.

Okla., Elk City—Voted $336,000 bonds, waterworks, incl. mains, etc., also sanitary and lateral sewers in various streets. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Kan., engrs.

Okla., Walters—Election July 23, $25,000 bonds, dam across Cache Creek, spillway, new pump and pipe line. A. F. Thompson, Walters, engr.

Calif., Los Angeles — Los Angeles Co. Waterworks Dist. 6, plans drilling wells, c.i. and wrought iron pipe, storage reservoir, distributing system, etc. $80,000-$90,000.

Calif., Paso Robles—Plans election $30,000 bonds, for 3 m.g. reservoir, also 12 in. main to carry water across river. W. Hughes, city engr.

Calif., Pittsburg—Making plans 3,000 lin. ft. 2½- to 4-in. standard screw black dipped mains, etc., in various streets. G. T. Oliver, city engr.

Calif., Southgate (Branch Los Angeles)—Plans election $150,000 bonds for waterworks system.

BIDS DESIRED

Mass., Boston—July 23, by Metropolitan District Comn., Water Div., 1 Ashburton Pl., about 7,300 lin.ft. 36 in. lock bar steel or 38 in. riveted steel mains and appurtenances in Malden, Melrose and Stoneham. J. R. Rablin, engr.

Mass., Boston — July 22, by Dept. Pub. Wks. (High Pressure Serv.), high pressure fire pipes in Atlantic and Dorchester Ave., Richmond, Fulton, Congress and Lewis Sts. $40,000 bonds. J. A. Rourke, comr.

N. Y., Brooklyn—July 24, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ocean Parkway, Kings Highway and Ave. I.

Pa., Phila.—July 22, by Dept. Pub. Wks., Bureau Water, Contr. 766, 50,000 lb. pig lead; Contr. 767, pitometre survey of trunk mains of water distribution system; Contr. 768, 600 wash water troughs; Contr. 769, 150 tons c.i. pipe and 100 tons c.i. specials. G. W. Biles, dir.

O., Dayton—July 20, by G. F. Baker, dir. Pub. Serv., 210 x 300 ft. rein.-con. covered low service reservoir, containing 9,000 cu.yd. concrete, for Water Dept. $200,000.

Ia., Waterloo—See "Sewers."

Minn, Minneapolis — July 20, by F. S. Gram, city purch. agt., alum handling equipment for new filter plant (now under construction), at Fridley. N. W. Elsberg, city engr.

Minn., Paynesville—July 28, by J. F. Chisholm, village clk., extending 8,500 lin. ft. 4- to 8-in. c.i. mains in various streets, etc. $15,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Neb., Phillips—July 30, by H. Johnson, village clk., 25,000 gal., 30,000 gal., 35,000 gal. or 50,000 gal. tank on tower, 96 ft. 8 in., 900 ft. 6 in. 3,900 ft. 4 in. c.i., 3,600 ft 2 in. and 1,000 ft. 1 in. galvanized pipe, 2 deep wells, etc. Hennington Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., La Plata—July 22, by W. R. Huston, City Hall, city clk., earth dam, filter plant, 34,900 2 to 8-in. c.i. and 7,600 ft. 2 in. galvanized pipe, 41 gate valves and boxes, 5 centrifugal pumps and motor, steel tank on tower, etc. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, engrs. Noted June 25.

Tex., Comanche—Taking bids complete waterworks. $120,000. Jno. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr. Noted June 18.

Okla., Guthrie—City in market for 500 g.p.m. and 750 g.p.m. centrifugal pumps against 240 ft. heads, for Water Works Plant. W. J. Mathis, purch. agt.

Que., Huntingdon—W. B. McLean, engr., 500 St. James St., Montreal, in market for complete equipment for new filtration plant, here, for Town.

BIDS RECEIVED

N. Y., Baldwin — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, steam piping at Milburn pumping station, here, from Johnston Heating Co., 131 East 26th St., New York City, $27,585. Noted July 2.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, July 7, mains, etc., in Alabama, Autumn, Fillmore, New Jersey, Nostrand, Rochester, Schenectady, 3rd and 21st Aves., Avenues M and S, Elton, Kimball, 58th, 62nd, 63rd, 93rd, East 36th, West 5th, 8th, 11th, 12th and Beach 44th Sts., Elmore Pl., Kings Highway and Barren Island, here, from Grippo Contg. Co., 58 Webster Ave., Long Island City, $19,400. Noted July 2.

Wis., Milwaukee—Central Bd. Purchases, from R. D. Wood & Co., 2100 Locust St., Phila., Pa., 200 fire hydrants $83.50 each; from Hoffmann Billings Mfg. Co., 100 2nd St., Milwaukee, 500 "DD" stop cock boxes $4.85 each, 100 covers $0.58 each, 100 boxes (No. 6 round) $1.63 each, 150 extension pieces $0.82 each; from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., 207,145 lb. special castings $84 per ton; from Natl. Cast Iron Pipe Co. 122 South Michigan Blvd., Chicago, Ill., 1,000 tons each, 6 and 12 in. Class "C" water pipe, $48.25 per ton; from Chapman Valve Mfg. Co., 111 West Washington St., Chicago, Ill., one hundred and fifty 6 in. and twenty-five 12 in. gate valves $5,530. Noted July 2.

Wis., West Milwaukee (Milwaukee P. O.)—S. J. Brew, village clk., July 6, approximately 2 mi. 6 and 8 in. c.i. mains in various streets, from F. E. Maminski, 745 46th Ave., West Allis, $20,909. Noted May 21.

CONTRACTS AWARDED

Mass., Boston — Dept. Pub. Wks. laying about 6,300 lin. ft. c.i. and furnishing and

Waterworks (Continued)

laying about 200 lin.ft. 48 in. c.i. mains in Commonwealth Ave., Public Gardens, etc., to C. and R. Constr. Co., 67 Harrison Ave., Rosindale, $135,260. Noted June 18.

Conn., Hartford—Water Comrs., Municipal Bldg., 9 m.g. covered filtered water reservoir and appurtenances, to O'Neill Bros., 22 Preston St., $210,000. Noted July 9.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Bayview Ave., to Gifford Constr. Co., Fulton St., Jamaica, $6,293; Folsom Ave., to Wataga Contg. Co., 308 Lenox Ave., New York City; 11th Ave., to S. Gallucci, Railroad Ave., Corona, $9,300; Woolsey Ave., to Norton & Rigney Co. Inc., Richmond Hill, $9,435. Noted June 25.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in St. Nicholas Park, St. Nicholas, 7th and 8th Aves., East 135th, West 135th and 150th Sts., to Wataga Contg. Co., 308 Lenox Ave., $92,300. Noted July 2.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bard, Beach Aves., etc., here, to G. V. Cornell, Rose Bank, $25,490. Noted June 25.

N. J., Perth Amboy—Water Bd., mains in Harding Ave. to W. J. Meagher, 211 Market St., $60,000.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 738, 16 and 24 in. c.i. mains, and Contr. 763, 6, 8 and 12 in. c.i. mains, to P. and A. J. Ellis, 4th St. below Wyoming Ave., $343,795 and $331,350 respectively; Contr. 739, power equipment for Queen Lane extension, Divs. A and D, to General Electric Co., Witherspoon Bldg., $49,338 and $67,260 respectively, Div. B, to Wheeler Mfg. Co., 18th and Lehigh Sts. $14,735, Div. C, to W. K. Mitchell, 2940 Ellsworth St. $80,750, Div. E, to Badenhausen Corp., 1011 Chestnut St. $16,740, Div. F, to Keystone Piping & Equipment Co., 2849 Germantown Ave., $124,854; Contr. 761, removing and relaying 48 in. pipe line, to Craven Co., 4 South 15th St., $13,733; Contr. 762, 6 and 8 in. c.i. mains, to M. and J. B. McHugh, 892 North Markos St., $132,639. Grand total $1,175,194. Noted July 9.

N. C., Burnsville—City, about 6 mi. 6 in. and ½ mi. 8 in. c.i. mains 500,000 gal. filtration plant, one 200,000 gal. concrete reservoir, one 20,000 gal. concrete wash water tank, 2 small intake structures and about 2 mi. 8 in. sanitary sewer lines and appurtenances, to Higgins & Co., Charlotte, $95,000. Noted June 18.

Ga., Macon—City, 231 ft. rein.-con. reservoir, 81½ ft. wide, and 25 ft. high, 3 m.g. capacity, to C. C. Cose, Candler Bldg., Atlanta, approximately $77,000. Noted June 4.

O., Cleveland—Cuyahoga Co., 4,000 ft. 12 in. mains in Snow Rd., to Kassouff & Co., 3182 West 25th St., $20,000. Noted July 9.

O., Medina—See "Sewers."

Wis., Manitowoc — City, at Office City Clerk, approximately 1,200 ft. 36 in. intake extending into Lake Michigan, to McMullen & Pitz Constr. Co., 923 Commercial St., $83,757. Noted July 2.

Ia., Diagonal—City, 16,500 ft. 2- to 6-in. c.i. pipe, 50,000 gal. tank on 50 ft. tower, valves, etc., to Des Moines Steel Co., 421 Southwest 4th St., Des Moines, $20,000. Water supply and pumping equipment not yet awarded. Noted June 11.

Minn., Minneapolis — F. S. Gram, city purch. agt., 10 operating tables in filter operating gallery, 3 high and low centrifugal service pumps, also synchronous motors for high and low centrifugal pump drive, to Allis-Chambers Co., West Allis St., Milwaukee, Wis., $58,194. Noted June 11.

Neb., Newport—City, 7,104 ft. 4- to 6-in. c.i. pipe, 2 tons special castings, 15 fire hydrants, and one 10 in. well, 60 ft. deep to Fremont Constr. Co., Fremont; also 50,000 gal. tank on 100 ft. tower, to Omaha Steel Wks., 4802 Leavenworth St., Omaha. Engrs. est. $16,110.

Okla., Norman—City, 800 tons 8- to 12-in. c.i. pipe, to Midwest Steel Co., 1st Natl. Bank Bldg., Oklahoma City, $38,364. Engrs. est. $40,000.

Okla., Prague—City, new drilled well, 350 cu.ft., air compressor, 200,000 gal. reservoir, and 1,850 ft. 4 in. and 800 ft. 6 in c.i. main extensions in various streets, etc., to H. M. House, Merrie Garden Bldg., Oklahoma City, $16,507. Engrs. est. $22,000. Noted June 25.

Calif., Burbank—City, 15,000 ft. 4- to 8-in. mains in Ben Mar Hills Tract, to G. A. Simpson, Olsen Bldg., Burbank, approximately $69,000. Noted June 4.

Sewers

PROPOSED WORK

R. I., Providence—Plans sewerage work in 6th and Touro Sts., New York and Opton Aves. $25,000. J. B. Ballard, chn.

Ala., Selma — Election Aug. 7, $150,000 bonds, sanitary sewers in various streets. T. J. Rowell, mayor.

Miss., Yazoo—See "Streets and Roads."

Tenn., North Chattanooga — (br. of Chattanooga)—Election July 22, $100,000 bonds for sewers, extending mains and fire plugs for fire protection.

Ky., Fulton—Plans 6 mi. new sanitary sewers in all streets. $50,000. F. L. Wilcox, Chemical Bldg., St. Louis, Mo., engr. Noted Mar. 28.

Ill., Staunton—Making preliminary plans disposal plant, approximately 25 mi. 8- to 18-in. sanitary sewers, etc., in various streets. $300,000. W. A. Fuller, 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Minn., St. Paul—Soon takes bids sewer in Edgecumbe Rd. between Otto Ave. and West 7th St. $42,142. G. M. Shepard, city engr.

Mo., Clayton—St. Louis Co. making plans 6- to 18-in. sanitary sewers in Dist. 8, St. Thomas Station district on St. Charles Rock Rd.; Dist. 9 section west of Sutter Ave. north of University City and south of The Ridge; Dist. 10 section east and west of Bway. in vicinity of Ripa Ave. and Dist 11, east and west of Bway. in vicinity of Mary Ave., both draining into Mississippi River. L. C. Dziatzko, Empire Bldg., Webster Groves, engr.

Mo., St. Joseph—Election Aug. 4th, to vote on bonds for sewers in various streets. Estimated cost $1,350,000. W. K. Seitz, engr.

Mo., St. Louis — Soon takes bids 4,125 ft. 12- to 18-in. vitr. clay and 1,445 ft. 36- to 48-in. brick or segmental block pipe, 2,885 ft. 6 ft. and 1,325 ft. 7 ft. concrete horseshoe sewer, etc., concrete horseshoe sewer, 2,100 ft., either 9 ft. for Camp Springs Public Relief Sewer, $550,000; also for Sect. A, North Baden Public Relief Sewer, main sewer will be 11 x 14 ft., rein.-con., 2½ in. inside diam., etc., $200,000. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Soon takes bids Rock Springs Public Relief Sewer. $300,000. W. W. Horner, 300 City Hall, engr.

Ark., Little Rock—Made plans and may soon take bids 13,978 ft. 6- to 10-in. vitr. clay sewers, 28 manholes, 16 flush tanks and disposal plant, incl. settling basin and filtration beds in Impvt. Dist. 102. H. R. Carter, 313-324 Exch. Bank Bldg., engr. Noted June 11.

Tex., Ennis — Election July 28, $40,000 bonds, sewer extensions in various streets. H. McCanless, city engr.

Tex., Hamilton—Election July 28, $60,000 bonds, sewerage system and disposal plant. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs.

Tex., Lubbock — Voted $150,000 bonds, sewer improvements, incl. mains, incinerator, etc. J. R. Germany, city secy.

Okla., Elk City—See "Waterworks."

Okla., Okeene—Election July 28, $47,000 bonds, sewage disposal plant, 30,600 ft. 8- to 12-in. vitr. clay sewers, etc., in various streets. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ore., Grants Falls—Making plans rebuilding old sewerage system and extensions throughout city. $150,000. Stevens & Koon, Spalding Bldg., Portland, engrs.

Calif., Manteca—Defeated $25,000 bonds, sewers in various sections of city.

Calif., North Sacramento (mail Sacramento)—Making plans outfall sewer to connect with Sacramento, incl. pumping plant, 10,000 ft. c.i. pipe, force main, etc. J. N. Bidwell, 1501 Del Paso Blvd., engr.

Ont., Windsor—Plans sanitary sewers in McKay, Curry, Rosedale, Adanac, Taylor, Field and McEwan Aves. $40,000. A. E. Brian, city engr.

BIDS DESIRED

N. Y., Camden — July 17, by Village Clerk, sewerage system and disposal plant. M. Vrooman, Gloversville, engr. This corrects report in July 9 issue.

N. Y., Colonie — July 30, at Maplewood School, Maplewood, Colonie, complete sanitary sewerage system with disposal plant for School Dist. 22. Solomon & Keis, and H. E. Gabriels, Troy, engrs.; adv. E. N.-R. July 16.

N. J., Plainfield — Aug. 3, by Common Council, sanitary sewers and sewage pumping station. A. W. Vars, city engr.; adv. E. N.-R. July 16.

N. J., Summit—See "Streets & Roads."

Pa., Altoona—July 21, by City Council, B. Keatley, comn., City Hall, 8,082 lin.ft. 6- to 27-in. double strength terra cotta sewers, etc. in 8th Alley, 23rd, 22nd, 25th and 26th Aves., Lloyd and 23rd Sts. H. J. Baum, city engr.

Miss., Belzoni—Aug. 4, by City Council, at office F. M. Pepper, city clk., 2 sewerage pumps to handle unscreened sewerage and 2 dry pits for pumps, f.o.b. Belzoni. D. M. Foster, city engr. Noted July 2.

Tenn., Chattanooga—July 31, at office of E. D. Bass, comr. Dept. Streets & Sewers, constructing 12th Ward trunk sewer; adv. E. N.-R. July 16.

O., Akron—July 20, by Comrs. Summit Co., 6,849 ft. 33- to 36-in. brick or segmental block main sanitary trunk sewer in Little Cuyahoga Intercepter. $125,000. E. D. Barstow, 321 Ohio Bldg., engr.

O., Massillon—July 23, by Director Pub. Serv., Kendall storm water sewer Contr. A, 5794 lin.ft 12- to 60-in. pipe $60,000; Contr. B, 648 lin.ft. pipe $12,000. C. E. Rice, city engr. Noted June 1.

O., St. Bernard (Ind. br. of Cincinnati)—July 30, by Director Pub. Serv., 1,018 lin.ft. 7- to 36-in. vitr. clay sewer and 1,253 lin.ft. 42- to 57-in. brick sewer in private property between Rapid Transit Right-of-way and Bank Ave. $74,000. F. Krug, City Hall, Cincinnati, engr.

Ind., Gary—July 27, by Bd. Pub. Wks., sewage pumping station, etc. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., consult. engrs.; adv. E. N.-R. July 16.

Mich., Detroit—July 20, by Dept. Pub. Wks., monolithic concrete or brick sewers, 4,001 ft. Bedford Ave. Rd. Sewer, Sect. 3, 2,311 ft. Harper Ave. Arm West, Sect. 2, Connors Creek Sewer, 2,311 ft. Puritan Ave. Arm West Wyoming Ave. Sewer, 3,891 ft. Lyndon Ave. Arm East Hubbell Ave. Sewer, 5,875 ft. Lakeview Ave. Arm Sewer, 2,601 ft. Hamilton Relief Sewer. P. A. Fellows, city engr.

Wis., Neenah—H. S. Zemlock, city clk., taking bids 8,000 ft. vitr. clay sewers in various streets in Dist. 2. A. E. McMahon, City Hall, Menasha, engr.

Ia., Waterloo—July 21, by City, 2,150 ft. sewers and 1,400 ft. 4 in. c.i. mains in various streets. R. B. Slippy Eng. Corp., 406 Lafayette Bldg., engr. Noted Apr. 16.

Minn., Paynesville — July 28, by J. F. Chisholm, village clk., disposal plant, and 25,700 ft. 8- to 15-in. vitr. sewer, etc., in various streets. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Mo., La Plata—July 22, by W. R. Huston, city clk., 6.5 mi. 6- to 15-in. vitr. sewers, disposal plant, Imhoff tank, etc. W. B. Rollins & Co., 521 Railway Exch. Bldg., engrs. Noted June 25.

Tex., San Angelo — Taking bids 27 mi. sewers and 1,800 connections, etc. in various streets. $275,000 bonds voted. Terrell Bartlett, Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted May 21.

Ont., Kenora—July 22, by F. J. Harper, town clk., 1 mi. vitr. clay sewers in various streets. $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Mexico, Coahuila, Saltillo—See "Streets and Roads."

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., July 9, sanitary sewers in 150th St., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, (A) $582,715; from Oxford Eng. Constr. Co., (B) $546,325. Noted July 2.

O., Cleveland—City, June 17, 2,970 ft. 12- to 24-in. vitr. sewer in West 140th St., from S. N. Khury, 1415 Clark Ave., $14,009; 2,600 ft. 30 in. vitr. tile sewer east of Delavan Rd., from George & Ameen Constr., Erie Bldg., $15,177; 840 ft. 5 in. sewer south of Lorain Ave., from Manson Co., Sewers Contractors Exch., $11,768. Noted June 11.

Wis., West Milwaukee (Milwaukee P. O.)—S. J. Brew, village clk., approximately 2 mi. 8 and 10 in. vitr. clay or concrete sewers in various streets, from F. E. Kaminski, 745 46th Ave., West Allis, $21,746. Noted July 2.

Calif., Oakland—City Council for East of the Lake Storm Drain Sewer, Proposition A (1) 574 ft. 10 in. vitr. pipe conduit (2) 355 ft. 15 in. vitr. pipe conduit (3) 444 ft. 21 in. vitr. pipe conduit with concrete saddle, (4) 729 ft. 24 in. vitr. pipe conduit with concrete saddle (5) 7 manholes (6) 8 storm water inlets; Proposition B (1) 574 lin.ft. 10 in. vitr. pipe conduit (2) 355

Sewers (Continued)

lin.ft. 15 in. vitr. pipe conduit (3) 444 lin.ft. 22 in. rein.-con. pipe conduit (4) 729 lin.ft. 24 in. rein.-con. pipe conduit (5) 7 manholes (6) 8 storm water inlets, from J. Garden, 386 15th St., Oakland,. Proposition A (1) $2.40 (2) $3.40 (3) $5.20 (4) $7.20 (5) $65 (6) $47; from Merced Concrete Pipe Co., Merced, Proposition B (1) $2 (2) $3.25 (3) $6.60 (4) $9.70 (5) $90 (6) $100.

CONTRACTS AWARDED

Mass., Boston—Dept. Pub. Wks., sewerage works in Oswego St., to V. Barletta, 10 Whipple Ave., West Roxbury, $25,001. Noted June 25.

Mass., Newton — Street Commissioner, City Hall, West Newton, 6,736 ft. 8- to 15-in. vitr. sewer in various streets, here, to A. Cefalo, 316 Belgrade Ave., Rosindale, $30,463.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Flushing Ave., to S. A. Gross, 8515 Fulton St., Woodhaven, $12,137.

N. Y., New York — H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sewers in Pelham Parkway North, to A. Gregorio & Co., Inc., 1121 Neil Ave., $41,428. Noted July 9 under "Streets and Roads."

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, mechanical screens, motors, etc., in sewage treatment and pumping plant, west of Ocean Ave., to Link Belt Co., 233 Bway., New York City, $21,360. Noted July 9.

Pa., Lansdale—Council of Boro of Lansdale, sewers and sewage treatment works in various streets to O'Rourke Bros. Norristown, $26,252 and $23,926 respectively. Noted June 18.

O., Cleveland—City, 5,445 ft. 12- to 24-in. vitr. tile sewer in East 170th, 172nd and 173rd Sts., to Kassouff & Co., 3182 West 25th St., $16,954; 12,681 ft. 4 in. concrete sewer in Clark Ave., to Langahan Constr. Co., Marshall Bldg., $45,527; 6,180 ft. 12- to 24-in. tile sewer in La Verne Ave., to A. J. Galvin, Hunkin-Conkey Bldg., $15,271. Grand total $77,752. Noted June 11.

O., Cleveland—Cuyahoga Co., 5,500 ft. 8- to 60-in. vitr. clay sewer in Wagar Rd., Impvt. 600, to Gallagher-Burke Co., 1228 Bonniview Ave., Lakewood, $66,648; 21,000 ft. 8- to 27-in. vitr. clay sewer in Chestnut Hill Drive, Impvt. 71, to Winterbottom-Connelly Co., 1406 West 25th St., $83,508. Noted June 25.

O., Cleveland — Cuyahoga Co., 4,500 ft. 8- to 27-in. tile sewers in Therton and Forestwood Drives, Impvt. 31, to Sprague & Burkhardt, 11811 Browning Ave., $36,096. Noted July 9.

O., Medina — Medina Co., sewer and watermains in Chippewa Lake Dist., to Zedor & Mando, Erie, Pa., $60,000. Noted June 4.

Wis., Milwaukee—Dept. Pub. Wks., to G. E. Zimmermann, 3402 Grand Ave., 18 in. vitr. and 24- to 30-in. rein.-con. sewer in Euclid Ave. from Jordan Ave. to Herman St. $11,875, 12 and 15 in. sewer in Jordan Ave. from Oklahoma to Euclid Aves. $1,608; to W. T. Werner, 675 Hi-Mount Blvd., 8 and 12 in. sewer in Pine Ave. from Oklahoma to Euclid Aves. $1,392, Lennox St. from Euclid to Oklahoma Aves. $1,402, Ullrich Ave. from Oklahoma to Euclid Aves. $1,360, Sheridan Ave. from Oklahoma to Euclid Aves. $1,477, to J. Brogan & Sons, 700 Bousman St., Green Bay, 8 and 21 in. sewer in Vliet St. from 58th to 60th Sts. $4,352; to Szuklaski & Matke, 1098 Amer. Ave. 12 in. sewer in Herman St. from Oklahoma to Euclid Aves. $855, 8 and 12 in. sewer in 16th St. $1,483; to Wenzel & Henoch Co., 498 27th St., 8 and 12 in. sewer in 59th St. from Vliet St. to point south, $2,218; to H. Hohenesee, Ludington Ave., Wauwatosa, 457 ft. 96 in. monolithic concrete sewer in Jordan Ave., $23,893. Grand total $51,915. Noted July 2.

Okla., Blackwell—City, 23,115 ft. 6- to 15-in. sanitary sewers, etc. in Dist. 141, to Hansen & Milliken, Chickasha, $23,940. Noted Mar. 5.

Waste Disposal

PROPOSED WORK

Tex., Lubbock—See "Sewers."

BIDS DESIRED

Mass., New Bedford—July 27, by Bd. Health, garbage and rubbish incinerator. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. July 16.

Bridges

PROPOSED WORK

New Jersey and Pennsylvania—Towns of Stockton, N. J., and Centre Bridge, Pa., plan new wooden and steel girder bridge across Delaware River. $190,000. E. W. Redfield, Centre Bridge, Pa., interested. Engineer not selected.

Va., Fredericksburg—Richmond, Fredericksburg & Potomac R.R. Co., Broad St. Station, Richmond, plans concrete bridge, 55 or 60 ft. high, across Rappahannock River, here, $400,000, also eliminating grade crossings and enlarging station, $600,000. E. M. Hastings, ch. engr.

Tennessee—See "Streets and Roads."

Ark., Batesville—Batesville Bridge Dist. 1, Independence Co., plans 6 span 1,600 ft. concrete and steel truss bridge on piers over White River, here. $300,000. Engineer not selected.

Tex., Burkburnett—Cotton Co. (Walters), Okla., and Wichita Co. (Wichita Falls), Tex., making plans 8,360 ft. beam or concrete girder span steel and concrete bridge across Red River, between above counties, near here. $265,000. G. G. Wickline, Austin, state bridge engr. J. M. Page, state highway engr., and W. C. Burnham, bridge engr., both Oklahoma City, Okla.

Tex., Madisonville — See "Streets and Roads."

Tex., San Diego — See "Streets and Roads."

Que., Montreal — Harbor Comrs. take bids some time after July 15, substructure of northern portion of new South Shore Bridge between here and south shore of St. Lawrence. W. L. McDougald, pres.

BIDS DESIRED

Massachusetts — July 21, by Dept. Pub. Wks., Boston, 303 ft. concrete bridge and approaches on highway in Lee, and concrete bridge and approaches on 2,000 ft. highway in Bellingham; widening 3 timber bridges on highway in Revere and Saugus. W. F. Williams, comr.

Mass., Boston—July 17, by Dept. Pub. Wks. (Bridge Service), repairing Warren St. Bridge over Charles River. J. A. Rourke, comr.

N. Y., New York — July 22, by W. W. Mills, comr. Plants & Structures, Municipal Bldg., reconstructing centre pier fender at 145th St. Bridge, over Harlem River.

N. Y., Portchester — Aug. 3, by F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, rein.-con. and masonry bridge over Byram River, Co. Rd. 43; adv. E. N.-R. July 16.

Pa., Mercer—July 30, at office Comrs. Mercer Co., reconstructing Bridges 111 and 116, in Greene Twp., Bridge 805 Hempfield Twp., and bridge in Shenango Twp.; widening Bridge 104, Greene Twp. and Bridge 2634, Findley Twp. F. P. Graham, Grove City, co. engr.; adv. E. N.-R. July 16.

South Carolina—See "Streets and Roads."

Miss., Philadelphia — See "Streets and Roads."

Ohio — July 17, by Dept. Hys. & Pub. Wks., Columbus steel bridge on Sect "A" Nelsonville-New Straitsville., Athens Co., $1,351; concrete bridges on Sect. "C" Lisbon-Canton Rd., Columbiana Co. $2,267; and on Sect. "Prices Creek Bridges" National Rd. $15,606, 2 bridges on 0.448 mi. Sect. "Creek Bridge" National Rd. $37,485, and bridge on Sect. "E-Bridge" Dayton-Indianapolis Rd., $67,335, all in Preble Co.; concrete bridge on 0.1 mi. Sect. "C-Bridge," Fremont-Port Clinton Rd., Sandusky Co., $24,993; approaches on 0.98 mi. and bridge on 0.63 mi. Sect. "C-Bridge" Freemont-Tiffin Rd., Seneca Co., $4,221 and $65,681 respectively; bridges on 0.1 mi. Sect. "1" Cambridge-Newcomerstown Rd., and on 0.033 mi. Sect. "A-2 Bridge" Dennison-National Rd., Tuscarawas Co., $6,225 and $39,575 respectively. A. V. Donaheys, div. engr.

Indiana—July 28, by J. D. Williams, dir. State Hy. Comn., Indianapolis, (**r.c.s. means rein.-con. slab, r.c.b. rein.-con. box, r.c.a. rein.-con. arch, r.c.g. rein.-con. girder, s.t. steel truss and S. R. State Road**), 1 r.c.s. and 1 r.c.b. on S. R. 39-H, Franklin Co.; 1 r.c.a. on S. R. 37-D, Delaware Co.; 1 r.c.a. on S. R. 11-C, Madison Co., 1 r.c.g. on S. R. 11-E, Grant Co.; 3 s.t. on S. R. 10-E, Knox Co., 1 r.c.g., 3 s.t. on S. R. 11-G1, and one s.t. on S. R. 11-G2, Sullivan Co.; 2 s.t. on S. R. 8-F and 8-G, Lake Co.; 4 r.c.a. on S. R. 3-R, Wayne Co.; 3 r.c.g. on S. R. 5-G, and 1 r.c.s. on S. R. 5-H, Orange Co.; 2 r.c.g. on S. R. 13-B, Henry Co.; 1 s.t. on S. R. 13-C, Delaware Co.; 2 r.c.g. on S. R. 21-C, Wayne Co.; 2 r.c.s., 1 r.c.b. and 1 r.c.g. on S. R. 22-D, Monroe Co.; 1 r.c.s. on S. R. 4-V, Dearborn Co.; 1 r.c.g. on S. R. 53-C, Franklin Co.; 1 r.c.g. on S. R. 1-G, Spencer Co., 1 s.t. on S. R. 10-W, Lake Co.; 1 s.t. on S. R. 22-E, Morgan Co.; 1 r.c.s. on S. R. 40-F, Jefferson Co.; and 1 s.t. on S. R. 43-A, Porter Co.

Mich., Grand Haven—July 24, by Comrs. Ottawa Co., steel superstructure and rein.-con. substructure, Bridge 701402.

Missouri—July 24, by State Hy. Dept., Jefferson City, two 10 ft., two 12 ft. and two 15 ft. rein.-con. slab spans, etc., over stream in Adair Co.; two 12 ft. rein.-con. slab spans, etc., over stream, Franklin Co.; four 12 ft. rein.-con. slab spans, etc., over stream, Monroe Co.; six 12 ft. rein.-con. slab spans, etc., over stream, and one 70 ft. steel truss span, etc., over Sand Creek, both in Henry Co.; two 12 ft. rein.-con. slab spans, etc., over Jug River, Ralls Co.; five 18 ft. rein.-con. slab spans, etc., over Dry Creek, and three 20 ft. rein.-con. slab spans, etc., over Cox Branch, both in Oregon Co.; two 20 ft. rein.-con. slab spans, etc., over stream, and seven 20 ft. rein.-con. slab spans, etc., over Sand Creek overflow, Henry Co.; three 24 ft. rein.-con. slab spans, etc., over south fork Bonne Femme River, Boone Co.; one 30 ft. rein.-con. deck girder span, etc., over Varney River D. D., Dunklin Co.; three 30 ft. rein.-con. deck girder spans, etc., over Grindstone Creek, and one 40 ft. rein.-con. deck girder spans, etc., over Bonne Femme Creek, one 45 ft. rein.-con. deck girder span, etc., over stream, and one 45 ft. rein.-con. deck girder span, etc., over Turkey Creek, all in Boone Co.; one 40 ft. rein.-con. deck girder span, etc., over Lebo Creek, and one 45 ft. and two 25 ft. rein.-con. deck girder spans, etc., over Little Lebo Creek, both in Henry Co.; three 45 ft. rein.-con. girder spans, etc., over Long Branch, Audrain Co.; two 80 ft. steel truss spans, etc., over Elks Fork of Salt River, Monroe Co.; repairing 200 ft. steel bridge over Jack Forks of Gasconade River, Shannon Co., and painting, etc., 170 ft. steel bridge on road from Warrenton north, Warren Co. B. H. Piepmeier, state highway engr.

New Mexico—See "Streets and Roads."

Wash., Walla Walla—July 24, by Comrs. Walla Walla Co., Wickersham Bridge, three 35 ft. T-beam spans, with center bents protected by steel nose plates or 90 ft. pony truss with wood flooring, 200 cu.yd. concrete, 200,000 lb. reinforcing and 50,000 lb. structural steel; also Meador Park Bridge, four 35 ft. T-beam spans, 313 cu.yd. concrete, 34,706 lb. reinforcing, or 120 ft. through Warren truss with wood flooring, 15,000 lb. reinforcing and 70,000 lb. structural steel. L. O. Kennedy, Walla Walla, engr.

Tex., Anson—See "Streets and Roads."

Tex., Boston—See "Streets and Roads."

BIDS RECEIVED

Massachusetts—See "Streets and Roads."

Mass., North Adams—E. R. Doble, comr. Pub. Wks., City Hall, July 2, reconstructing Holden St. Bridge, from G. H. Stebbins, North Adams, $20,906. Engrs. est. $25,000. Noted June 11.

Wis., Milwaukee—Dept. Pub. Wks., July 7, 1,110 ft. steel (fabricated) bridge, 78 ft., at Holton St., from Lakeside Bridge & Steel Co., North Milwaukee, $273,840. Engrs. est. $800,000. Noted July 2.

Wis., Milwaukee — F. Schumaker, secy. Park Bd., City Hall, rein.-con. superstructure of bridge and runways at Mason St., from Bentley Bros., 808 South Pierce St., $294,764. Noted June 25.

Missouri—State Hy. Dept., Jefferson City, June 26, 20 ft. rein.-con. slab, etc., over Yadkin Creek, Crawford Co., from Maxwell Constr. Co., Columbus, Kan., $5,911; two 12 ft. rein.-con. slab spans, etc., over Midway Creek, Bartow Co., from Uln Bois & Co., Pittsburg, Kan., $3,136; three 80 ft. rein.-con. arch spans, over Barren Fork, Ozark Co., from J. P. Harlin, West Plains, $17,721; two 40 ft. rein.-con. deck girder spans, etc. over Hogard Creek, Ozark Co., from Republic Concrete Constr. Co., Republic, $5,300; three 45 ft. rein.-con. deck girder spans, over middle fork Chariton River, also one 35 ft. and two 30 ft. rein.-con. deck girder spans, over Chicago, Burlington & Quincy R.R. tracks, both in Macon Co., from M. Haase, St. Joseph, $9,450 and $7,691 respectively; five 110 ft. rein.-con. arch spans over Meramec River, Crawford Co., from Littrel & Sprogue, Wichita, Kan., $52,301; three 80 ft. rein.-con. arch spans, and two 40 ft. rein.-con. deck girder spans, etc. over Sinking Creek, Shannon Co., from Public Wks. Constr. Co., Century Bldg., St. Louis, $33,480; one 40 ft. rein.-con. deck girder span, etc. over Grindstone Creek, De Kalb Co., from Ziegler Bros., Junction City, $5,935; one

Bridges (Continued)

55 ft. steel deck plate girder bridge, over Chicago & Rock Island R.R. tracks, Franklin Co., from W. L. Cole, Union, $5,581. Noted June 18.

Tex., Cotulla—La Salle Co., G. A. Welkhausen, judge, steel span bridge with timber piling approaches over Nercces River, from Austin Bridge Co., 1815 Clarence St., Dallas, (a) $27,373 (b) $28,-661 (c) $23,667.

Calif., Los Angeles—City, from W. R. Fontaine, San Fernando Bldg., Los Angeles, bridge over Los Angeles River, at South Sherman Way, 1,020 cu.yd. Class A concrete at $18.30 per yd., 240 cu.yd. Class C concrete $19.50, 4,800 lin.ft. piling in place $115, steel rods in place $6,589, etc., total $39,465.

CONTRACTS AWARDED

Rhode Island—State Bd. Pub. Wks., State House, Providence, constructing Bridge 3, known as Apponaug Bridge, in Warwick, to Millken & Armstrong, 57 Eddy St., Providence $9,139; 19 known as Silver Spring Mill Bridge, in North Kingston, to J. D'Aloria, Franklin, Mass., $5,900; 139 known as New Harbor Road Bridge, New Shoreham, to W. V. Polleys, East Providence, $9,000; 170 known as Leland Bridge, Burrillville, and 202 known as Farnum Bridge, North Smithfield, to G. F. Austin, East Greenwich, $2,190 and $3,275 respectively; 201 known as the Pontiac Ave. Bridge, Cranston, to C. A. Haggerty, Webster, Mass., $7,800; also 11 known as Hamilton Ave. Bridge, North Kingston, to L. E. McLaughlin, 220 Jefferson Ave., New London, Conn., $46,500. Grand total $83,-804. Noted July 2.

Georgia — State Hy. Dept., East Point 1,800 ft. steel and creosoted timber bridge, on Federal Aid Project 388, Brantley Co., to Austin Bridge Co., Mickleberry, Atlanta, $88,000. Noted June 18.

Minnesota—State Hy. Comn., 1246 University Ave., St. Paul, Bridge 4377, triple 80 ft. on State Rd. 5-28, Federal Aid Project 366, to Minnesota General Contractors, 727 Hennepin Ave., Minneapolis, $29,575; Bridge 4432, 30 ft. long over Willow River, on State Rd. 1-44, Sect. 5, Federal Aid Project 1, and Bridge 4412, double 80 ft., at Rutledge, to A. A. Bodin & Son, 408 Columbus Bldg., Duluth, $5,985 and $18,937 respectively; Bridge 4433, 75 ft. long at Hinckley, to Independent Bridge Co., 1101 Metropolitan Life Bldg., Minneapolis, $8,640. Grand total $63,137. Noted June 4.

Okla., Claremore — See "Streets and Roads."

Wyoming—See "Streets and Roads."

Wyoming — State Hy. Dept., Cheyenne, three concrete bridges on Federal Aid Project 166 A, near Careyhurst, Converse Co., to Sprague & Nisely Constr. Co., Casper, $31,553, engrs. est. $30,000; 130 ft. steel span bridge over Cottonwood Creek, on Federal Air Project 106,, Washakie Co., to W. P. Roscoe, Billings, Mont., $22,087, grading, to J. S. Tebbs, Lovell, Wyo., $5,629, engrs. est. $31,500; 140 ft. steel span bridge, on Wheatland-Douglas Rd., Federal Aid Project 165 A, Platte Co., to C. O'Neil, Plattville, Colo., $36,726, engrs. est. $25,000. Grand total $95,995.

Oregon—State Hy. Comn., Salem, 40 ft. concrete and steel bridge over Chetto River, Curry Co., to J. W. Badvaum, Auburn, Wash., $71,525; also concrete and steel bridge over Crooked River, Jefferson Co., to J. W. Sadler, 115 East 74th St., Portland, $116,020.

Dams

PROPOSED WORK

Okla., Walters—See "Waterworks."

BIDS DESIRED

New Brunswick — July 29, by Electric Power Comn., Frederickton, main dam across St. Johns River, also intake, tunnel and power house; adv. E. N.-R. July 16.

CONTRACTS AWARDED

O., Hinkley (mail Brunswick)—Bd. Park Comrs., Cleveland Metropolitan Park Dist. Bd., West 3rd St. and Frankfort Ave., Cleveland, concrete dam, here, 15,000 cu.yd. excav., 150,000 lb. reinforcing; to Forschner Co., East 10th St. and St. Clair Ave., $80,-605. Noted July 2.

Railways

PROPOSED WORK

Missouri — City of St. Louis soon takes bids standard gage railroad track to connect with Terminal R. R. tracks and extending into City Block 436. $40,000.

Arkansas — See "Buildings—Industrial under El Dorado."

Arkansas and Missouri—Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., L. W. Baldwin, pres., plans 10.3 mi. additional double track south of Little Rock from Cypress to Benton, Ark., $395,000; also installing automatic block signals to protect 234 mi. line between St. Louis, Mo. and Texarkana, Ark., $865,000, etc. E. A. Hadley, ch. engr.

Arizona — Grand Canyon Ry. Co., Williams, subsidiary Atchison, Topeka & Santa Fe Ry., Ry. Exch. Bldg., Chicago, plans improving lines from Williams to Grand Canyon. $300,000. C. F. W. Felt, Chicago, ch. engr.

Oregon and California — Central Pacific Ry., subsidiary of Southern Pacific Co., 65 Market St., San Francisco, applied to Interstate Commerce Comn., for authority to construct 40 mi. line from Klamath Falls, Ore., to Cornell, Calif. G. W. Boschke, San Francisco, ch. engr.

Ontario—Toronto Transportation Comn., Yonge and Front Sts., Toronto, plans extending double tracks street railway, on Bloor St. from Lansdowne Ave. to Dundas St. in Toronto. $100,000. Work will probably be done by day labor. D. W. Harvie, Yonge and Front Sts., Toronto, engr.

BIDS DESIRED

New Brunswick — July 18, by Electric Power Comn., Frederickton, spur line railway in connection with development of Grand Falls.

CONTRACTS AWARDED

California — See "Excavation, Drainage Irrigation, Levees under Manteca."

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Neb., Taylor—Loup Co., c/o Clerk, plans constructing dam, and ditches, Calamus irrigation ditch covering 10,000 acres. $500,000.

Calif., La Mesa—La Mesa Lemon Grove & Spring Valley Irrigation Dist., making plans 110,000 lin.ft. 6- to 20-in. pipe, $250,-000, small pumping plants $10,000, and several small balancing reservoirs $30,000. T. H. King, Fletcher Bldg., San Diego, engr.

BIDS DESIRED

Ind., Crown Point—July 20, by H. P. Spears, engr., Crown point, draining 27,315 ft. ditches, for Lake Co.

Calif., La Canada — La Canada Irrigation Dist. taking bids 16,400 lin.ft. 4- to 8-in. either standard black screw, black line, or O. D. plain end pipe. H. Hawgood, H. W. Hellman Bldg., Los Angeles, engr.

CONTRACT AWARDED

Ark., Newport—D. D. 12 of Jackson Co., 600,000 cu.yd. excav., to G. W. Clark Constr. Co., 4043 Botanical Ave., St. Louis, Mo., $68,700. Noted Mar. 13.

Calif., Manteca—Directors Manteca Irrigation Dist., constructing Melones Dam, on Stanislaus River, in Tuolumne and Calaveras counties, also Melones Dam Railway and Wagon Rd. near above, for South San Joaquin Irrigation Dist., Manteca, and Oakdale Irrigation Dist., Oakland, to Mathews Constr. Co., Forum Bldg., Sacramento, $771,315 and $212,906 respectively. Noted June 18.

Streets and Roads

PROPOSED WORK

Mass., Melrose—Bd. Aldermen plans election $65,000 appropriation, constructing various streets.

Mass., West Roxbury (Boston P. O.) — Street Layingout Dept., Boston, plans reconstructing Westmore Rd. as highway, here. $25,000. J. F. Sullivan, secy.

N. J., Asbury Park—Plans curbing and sidewalks on all streets. $75,000. N. Rogers, city engr.

N. J., Bound Brook — Somerset Co. (Somerville) plans concrete paving Vesseler Ave., here. H. C. Emburgh, North Plainfield, engr.

N. J., Fort Lee—Bergen Co. (Hackensack) plans extending and improving Lemoine Ave., here. $100,000. R. P. McClave, Hackensack, co. engr.

N. J., Highland Park — Middlesex Co. (New Brunswick) plans grading, curbing and concrete paving 14.713 sq.yd. various streets, here. R. P. Wilson, 46 Patterson St., New Brunswick, engr.

N. J., Princeton—Mercer Co. plans concrete paving 1,990 ft. Witherspoon St. $32,-000. G. M. Brown, city engr.

W. Va., Glenville — Gilmer Co. election Aug. 5, $180,000 bonds, improving roads in Troy Dist. R. H. McQuinn, Glenville, engr.

Fla., West Palm Beach—Election July 14, $120,000 bonds, sidewalks on streets to be widened, etc.

Miss., Yazoo City—Making preliminary plans grading, curbing and paving 12 blocks Grand, Calhoun, Canal, 3rd, North and Powell Sts., also 8 in. vitr. clay sewers in Grand Ave. from 8th to 15th Sts. $40,000.

La., Rayville—Making preliminary plans grading, curbing and concrete paving 2,676 ft. various streets in business district. $30,-261. C. D. Evans, Shreveport, engr.

La., Winnsboro — Making preliminary plans grading and hardsurfacing Monroe-Winnsboro-St. Joseph Highway, through Tensas, Franklin, Richland and Ouachita Parishes. $215,000.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, soon takes bids grading, bridging, etc., 6 mi. Crab Orchard-Ozone Rd., Cumberland Co.; 1.5 mi. road from Alcoa to State Aid Project 141, Blount Co., and bituminous oil treating 15.5 mi. Dresden-McKenzie Rd., Carroll and Weakley Counties. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans oil surfacing treating 200 mi. various roads at $600 per mi. J. G. Creveling, highway comr.

Tenn., Murfreesboro—Rutherford Co.—Making surveys improving 10 mi. Murfreesboro-Shelbyville Rd. J. G. Creveling, Nashville, highway comr.

O., Canton—Plans asphalt paving 0.75 mi. 23rd St., N. W., 40 ft. $30,000. W. E. Sarver, Canton, engr.

O., Cincinnati—Hamilton Co. plans concrete paving 7,100 sq.yd. Cincinnati-Zanesville Rd. $25,000. E. A. Gast, Court House, engr.

Ind., South Bend—St. Joseph Co. plans grading and graveling 3.85 mi. Schumacher Rd., 24 ft., $26,276; 3.9 mi. Woodward Rd., $27,414; and 4.2 Zlutz Rd., $28,922. P. R. Gillin, South Bend, engr.

Michigan — State Hy. Dept., at office Comrs. Ingham Co., Mason, received no bids June 29, concrete paving 1.107 mi. State Trunk Line Rd. 14-36 CE-2. Noted June 25.

Mich., River Rouge—Plans 7 in. concrete paving, etc. 9 various streets. $150,000. M. L. Brown & Son, 407 Capitol Bldg., Detroit, engrs.

Ill., Flora — Plans paving 42 blocks various streets. A. C. Stanfield, Pana, engr.

Ill., Peoria—Plans grading, curbing and concrete surfacing 8 blocks Greellawn Ave. $44,482. W. E. Backes, City Hall, engr.

Wis., Racine — Making plans and soon takes bids 12,000 sq.yd. one course rein.-con. paving State St. J. W. Beaugrand, City Hall, engr.

Ia., Des Moines — Made plans widening, curbing, paving, etc. Carpenter Ave. and 21st St., $8,554; reconstructing and curbing South 6th St. from Indiana to Court Aves., $71,621; paving Douglas Ave. from 2nd to 6th Sts. $14,085, Cornell St. from Euclid to Sheridan Sts. $24,385, and Douglas St. from 12th to 16th Sts., $14,089. K. C. Kastburg, city engr.

Ia., Eagle Grove — Making preliminary plans grading, curbing and hardsurfacing various streets. $42,250.

Minn., Sleepy Eye—Plans paving about 8 blocks Main St. $30,000. A. J. Thomas, city clk.

Neb., Lincoln—Plans curbing and paving Dist. 578. $64,000. D. L. Erickson, City Hall, engr.

Mo., Kansas City — Making preliminary plans grading Linwood Blvd. $25,000. P. McGeehan, engr.

Mo., St. Louis—Soon takes bids widening and gravel surfacing road in Carondelet Park, $1,700; graveling Jefferson Dr. in Forest Park, $21,500; rein.-con. retaining walls for Fairground Swimming Pool, $10,000.

Arkansas — Plans grading and gravel surfacing 8 mi. Pine Bluff-Rison Highway, 18 ft. Jefferson and Cleveland Counties to furnish labor, cities of Pine Bluff and Rison to furnish material and state to maintain road.

Ark., Conway—Making preliminary plans grading, curbing and 5 in. concrete surfacing 2,550 ft. Impvt. Dist. 11. G. D. Douglas, Southern Trust Bldg., Little Rock, engr.

Ark., Russellville — Making preliminary plans grading, curbing and hardsurfacing 20 blocks various streets in Impvt. Dist 5. F. Ragsdale, city engr.

Tex., Canyon—Randall Co. voted $30,000 bonds, improving roads in Dist. 4. R. L. Lester, Canyon, co. judge.

Tex., Decatur—Wise Co., c/o S. M. Ward, judge, election Sept. 12, (extended date), $1,000,000 bonds, improving various roads. H. R. Smith, Decatur, co. engr. Noted June 18.

Streets and Roads (Continued)

Tex., Lubbock — Voted $50,000 bonds paving various streets. J. R. Germany, city secy. Noted July 2.

Tex., Madisonville—Madison Co., making plans improving incl. bridges on 34 mi. State Highway 21, between Byron and Crockett, and Madisonville and Trinity River. Federal Aid Project 486. $585,000. A. McCormick, Madisonville, engr.

Tex., San Diego—Duval Co. making plans grading, bridging, etc. 13.33 mi. State Highway 12-A, $140,000; grading, bridging and gravel surfacing 3.98 mi. State Highway 12-A, $35,000. F. E. Hess, Floresville, engr.

Tex., Stephanville — Erath Co. making plans surfacing with 3 in. brick, asphalt filler on 6 in. compacted macadam 1 mi. State Highway 1, State Aid Project 563. $35,000. J. H. Corbett, Stephanville, engr.

Okla., Carmen—Making surveys grading and concrete surfacing 10,000 sq.yd. Main St. $30,000. H. G. Olmstead, 2230 West 18th St., Oklahoma City, engr.

Okla., Hollis—Plans grading and sheet asphalt surfacing 12,000 sq.yd. Main St. $60,000. Gantt-Baker Co., 1116 West Main st., Oklahoma City, engrs.

Okla., Norman—Plans grading, curbing and concrete surfacing 10,150 sq.yd. Symnes and Flood Aves. $32,000. F. Cobb, Norman, engr.

Okla., Oklahoma City — Plans grading and sheet asphalt surfacing 4,800 sq.yd. Elizabeth Ave. $25,000. B. Hart, City Hall, engr.

Okla., Poteau — Plans grading, curbing and concrete surfacing 9,100 sq.yd. Church St. $28,000. J. E. Davis, Poteau, engr.

Okla., Sapulpa — Plans grading, curbing and concrete surfacing 7,700 sq.yd. North Mission St. $26,000. F. E. Lawrence, Sapulpa, engr.

Okla., Tecumseh — Pottawatomie Co. election Aug. 4, $750,000 bonds, grading and concrete surfacing 500,000 sq.yd. various roads. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Arizona—State Hy. Dept., Phoenix, making surveys grading and gravel surfacing 8 mi. road between Federal Aid Projects 66 and 67, Graham Co., to exceed $25,000; and 16 mi. road from Federal Aid Project 77 to New Mexico state line, Greenlee Co., to exceed $25,000. W. W. Lane, State House, Phoenix, highway engr.

Ore., Portland—Soon takes bids grading and paving 26 blocks Powell St. $135,000. A. Laurgaard, city engr.

Calif., Delano—Plans 1½ in. Warrenite on 4 in. concrete paving approximately 11 blocks of various streets. To exceed $25,000.

Calif., Mountain View—Making plans 1½ in. Warrenite bitulithic on 3½ in. asphaltic concrete paving 150,000 sq.ft. Castro St. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Oakland—City and Alameda Co. plan paving Peralta St. between San Pablo Ave. and 7th St. $65,000. W. W. Harmon, city engr.

Calif., Redondo Beach—Made plans improving South Gertruda Ave., etc., 2,724 sq.ft. grading, 25,625 sq.ft. sidewalks, 2,069 sq.ft. rock and oiling, and 94,943 sq.ft. 5 in. concrete paving. V. H. Stahell, city engr.

Calif., San Diego—Common Council plans improving Barnett Ave., 4,186 lin.ft. concrete curbing, 115,637 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving. F. A. Rhodes, city engr.

Calif., Santa Cruz—Plans prepared grading, curbing, and 5 in. concrete paving 84,540 sq.ft. Caledonia St. between Soquel Ave. and Bway. H. E. Godegast, city engr.

Calif., Santa Cruz—Santa Cruz Co. made plans improving 2.71 mi. Coast Rd., from Laguna Creek to Davenport, incl. 2,034 cu.yd. excav., 229,314 sq.ft. oil macadam paving, 2,936 tons Logan Quarry waste or equal. L. Bowman, Santa Cruz, co. surv.

Calif., Ventura—Making plans curbing, sidewalks and paving various streets. $750,000-$1,000,000. C. W. Pierce, city engr. Noted Aur. 30.

Ont., Niagara Falls—Plans asphaltic concrete paving 4,500 ft. Buttrey St. from Terrace to Victoria Aves. $46,419. Work will probably be done by day labor. T. S. Scott, City Hall, engr.

Ont., Stratford—Plans bituminous paving Romeo St. $23,426, and Albert St., $2,552. Work involves 10,000 sq.yd. bituminous macadam. A. B. Mason, City Hall, engr.

Ont., Toronto—Plans bituminous concrete paving 7,000 sq.yd. St. Clair Ave. E., $27,000; and asphaltic concrete paving 1,000 ft. Herons St., $4,554. R. C. Harris, City Hall, engr.

BIDS DESIRED

Massachusetts — July 21, by Dept. Pub. Wks., Boston, bituminous concrete surfacing 3,505 ft. highway in West Bridgewater, 5,700 ft. highway in East Bridgewater, and 12,204 ft. highway in Sandwich; gravel and bituminous surfacing 1,250 ft. highway in Medfield, all 18 ft. W. F. Williams, comr.

Mass., Boston — July 20, by Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Presentation Rd., Brighton, and Sturgess and Winton Sts., West Roxbury. $25,000. J. A. Rourke, comr.

Mass., Somerville—Taking bids widening and underground drain in Middlesex and Mystic Sts. $200,000. E. W. Bailey, city engr.

New York — July 31, by A. W. Brandt, comr. Highways, Albany, grading 16.3 mi. Contracts 1699 and 5701, Conduit Blvd., Nassau Co.; adv. E. N.-R. July 16.

New York—Aug. 3, by F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, rein.-con. and asphaltic concrete paving 0.57 mi. Dale Ave., Ossining; and 1.05 mi. Willett Ave., Portchester,; adv. E. N.-R. July 16.

N. Y., Brooklyn — Aug. 11, by R. K. Fuller, comr. Canals & Waterways, Albany, paving certain portions of barge canal terminal in Gowanus Bay, here; adv. E. N.-R. July 16.

N. Y., New York—July 20, by J. Miller, pres. Manhattan Boro, curbing, recurbing, flagging, reflagging, and stone filled sheet asphalt paving Riverside Dr. from point 475 ft. north to point 450 ft. south of Lafayette Plaza; granite block paving Riverside Dr. from point 450 ft. south to point 955 ft. south of Lafayette Plaza; sheet asphalt paving east and west sides of Bway., Columbus Circle, and 71st St.

New Jersey — July 24 by Freeholders Burlington Co., Mt. Holly, asphalt paving 18,666 sq.yd. Branch Pike, Cinnaminson Twp., and 4,300 sq.yd. Front St., in Florence. H. B. Smith, Mt. Holly, co. engr.

N. J., Summit — July 21, by Common Council, paving and grading, etc. Springfield Ave., Beechwood Rd., and Maple St., recurbing, etc. portions of Springfield and Woodland Aves. J. C. Brigham, city engr.; adv. E. N.-R. July 16.

Pa., Ellwood City — July 24, at office E. B. Moyer, boro secy., paving 2nd St., Border, Glen and Todd Aves., A. Main, boro engr.; adv. E. N.-R. July 16.

Pa., Phila.—July 21, by Bureau of Highways & Dept. Pub. Wks., (Schedule A) grading 51,668 cu.yd. 18 streets; (Schedule B) asphalt paving 42,646 sq.yd. 17 streets; (Schedule C) country road improving 3,750 sq.yd. 2 streets; (Schedule D) asphalt repaving 4,227 sq.yd. 2 streets; (Schedule E) redressed granite block repaving 32,109 sq. yd. 5 streets; (Schedule F) furnishing 2,500 tons asphalt surface and 2,000 tons concrete binder mixtures. G. H. Biles, dir.

Delaware—Aug. 5, by State Hy. Dept., Dover, concrete paving, etc., 3.732 mi. Blackiston Cross Rds., Clayton, Contr. CK11, 3.95 mi. Thompsonville-DuPont Rd., Contr. CK29; grading, etc., 1 mi. White Oak Rd., Contr. 55; adv. E. N.-R. July 16.

Virginia—July 23, by State Hy. Comn., Richmond, grading, curbing, bridging and surfacing 35, F-145-E, Prince George Co.; 36, F-167-E, Clarke Co.; 32, F-187, Prince Edward and Charlotte Counties; and 11, F-344-C, Wise Co.; adv. E. N.-R. July 16.

Va., Fayetteville—Aug. 3, by Fayette Co. Court, T. Boone, clk., grading, bituminous macadam surfacing, etc. Clifftop Danese Rd., Project S Mt. 52; adv. E. N.-R. July 16.

W. Va., Glenville—July 22, by Gilmer Co. Court, N. E. Rymer, clk., constructing Project 3280, 4.2 mi. Glenville-Braxton Co. line Rd. and Project 3, 3 mi. Main County Rd. from Glenville to De Kalb Dist. line. R. H. McQuinn, engr.

N. C., Chapel Hill — July 20, by W. S. Roberson, mayor, curbing, guttering, concrete and asphalt paving, etc., 20,000 sq.yd. various streets. G. White, Durham, engr.

South Carolina — July 28, by State Hy. Dept., 1626 Main St., Columbia, **(S. R. means State Route, S. P. State Project and F. A. P. Federal Aid Project)** sand clay surfacing, etc. 11.76 mi. S. R. 45, S. P. S-588-A, Orangeburg Co., and 7.2 mi. S. R. 331, S. P. S-542, Allendale Co., A. T. Brown, Scovil Bldg., Orangeburg, engr., 10.1 mi. S. R. 341, S. P. S-547, Florence Co., J. M. Martin, Florence, engr.; granite paving, etc. 3.263 mi. S. P. 7, F. A. P. 235-A, Chester Co, and 2.7 mi. S. R. 73, S. P. S-582-A, Lancaster Co.; grading, etc. and 184 ft. creosoted timber bridge over Cuffytown Creek, on 8.3 mi. S. R. 43, F. A. P. 268-B, McCormick Co., E. D. Sloan, Court House, Greenville, engr.; earth approaches to Scrape Ore Swamp Bridge on S. R. 42, F. A. P. 238, Lee Co., and to Chinquapin Creek Bridge, on S. P. S-520-C, Aiken-Lexington Counties, 100 ft. creosoted timber bridge on S. R. 9, F. A. P. 68-A, Chester Co.

Florida — Aug. 4, by State Road Dept., Tallahassee, grading and waterbound macadam surface course on Florida lime rock paving, etc., about 10 mi. Project 669-B-Rd. 27, Dade Co. J. L. Cresap, highway engr.

Fla., Clearwater — July 20, by C. F. Mason, city mgr. improving portion of South Fort Harrison Ave., 13,660 sq.yd. brick or asphalt, 13,660 sq.yd. lime rock base, 6,650 lin.ft. concrete curbing and guttering, for City. $30,000.

Ala., Tuskegee — July 28, by L. W. Johnston, mayor, and Bd. Councilmen, grading, improving water mains and paving 37,000 sq.yd. various streets. G. L. Moulton, Tuscaloosa, engr.; adv. E. N.-R. July 16.

Fla., West Palm Beach—July 24, by City Comn., grading, curbing, guttering, etc., various streets. T. B. Henry, city engr.; adv. E. N.-R. July 16.

Miss., Philadelphia — July 28, by Bd. Superv, Neosho Co. improving 10.629 mi. Federal Aid Project 74-A, 34.2 acres clearing, 7 acres grubbing, 57,764 cu.yd. excav., 54,808 cu.yd. borrow, 760 ft. 18 in. culvert pipe, 23,705 lb. reinforcing, 7.22 mi. Bermuda sod, bridges include 180,862 ft. creosoted and 9,180 ft. untreated timber, 32,402 ft. creosoted piling, 21,570 lb. reinforcing, etc. H. C. Dietzer, Jackson, engr.

Ohio — July 17, by Dept. Hys. & Pub. Wks., Columbus grading, bridging and paving 90.205 mi. roads in Ashtabula, Columbiana, Crawford, Erie, Fairfield, Fulton, Henry, Huron, Jefferson, Logan, Lucas, Madison, Medina, Meigs, Mercer, Montgomery, Noble, Ottawa, Portage, Richland, Seneca, Summit, Trumbull, Tuscarawas, Washington, Wayne and Williams Counties; grading and structures on 22.734 mi. roads in Columbiana, Hancock, Holmes-Wayne, Lawrence, and Muskingum Counties; approaches on 0.321 mi. roads Preble and Seneca Counties; furnishing gravel in Preble Co., experimental work in Tuscarawas Co. A. V. Donaheys, div. engr.

O., Cleveland—July 22, by City, paving East Blvd., Carnegie and Sandusky Aves., Bancroft Ave. S. E., Cedar Ave. S. E., East 37th, 104th, 120th, 135th, 146th, West 40th, 85th, 111th, 127th and 159th Sts. R. Hoffman, City Hall, engr.

O., Dayton—July 23, by Comrs. Montgomery Co., macadam, rock asphalt, brick or concrete paving 2,700 ft. Wayne Ave., 2,000 ft. Kammer Ave. $25,000 each. W. O. Pease, Dayton, co. surv.

Michigan—July 23, by State Hy. Dept. at office Comrs. Van Buren Co., Paw Paw, concrete paving 2.257 mi. Federal Aid Rd. 203A, 18 ft. G. C. Dillman, Lansing, highway engr.

Michigan—July 24, by State Hy. Dept. at office Comrs. Huron Co., Bad Axe, concrete paving 1.248 mi. Trunk Line Rd. 31-16, 20 ft., also 0.948 mi. Trunk Line Rd. 31-15, 18 ft. G. C. Dillman, Lansing, highway engr.

Michigan—July 24, by State Hy. Dept. at office Comrs. Montcalm Co., Stanton, graveling Trunk Line Rd. 43-5 BC. G. C. Dillman, Lansing, highway engr.

Michigan—July 24, by State Hy. Dept. at office Comrs. Montcalm Co., Stanton, graveling 5.71 mi. Trunk Line Rd. 43-11 AB, 16 ft. G. C. Dillman, Lansing, highway engr.

Ill., Northbrook—July 22, by Village Bd., grading and concrete surfacing 11,000 sq. yd. Walters Ave. $46,500. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, engrs.

Ill., Winthrop Harbor—July 20, by H. Abrahamson, village clk., improving Main St., 10,200 cu.yd. excav., 1,800 ft. 8 in. drain pipe, 14,500 sq.yd. paving, etc. J. Anderson, Jr., Lake Forest, engr.

Wisconsin—July 23, at Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, **(F. A. P. means Federal Aid Project)** constructing 0.82 mi. Stinson Hill Rd., F. A. P. 351-A, Green Lake Co; gravel surfacing, etc. 2,764 cu.yd. Friendship-Arkdale Rd., F. A. P. 182, 2,917 cu.yd. Friendship-Kilbourn Rd., F. A. P. 279, 2,169 cu.yd. Kilbourn-Friendship Rd., F. A. P. 131 and 2,032 cu.yd. Kilbourn-Wisconsin Rapids Rd., F. A. P. 394-C, all foregoing in Adams Co. J. T. Donaghey, Madison, highway engr.

Wis., Milwaukee—July 20, by Bd. Pub. Wks., 8 in. vibrolithic concrete paving 12,919 sq.yd. Atkinson Ave.; 7 in. vibrolithic or one-course concrete paving, etc., 5,038 sq.yd. Montana St.; asphalt resurfacing 7,070 sq.yd. Teutonia Ave.; also concrete paving 12,583 sq.yd. various alleys.

Wis., Milwaukee—July 21, by Dept. Pub. Wks., sheet asphalt resurfacing 22,366 sq.yd. Newberry Blvd.; cement sidewalks on 2,977 sq.ft. Rhode Island Ave., etc., and 8,343 sq.ft. 55th St.; one-course concrete paving 7,700 sq.yd. Vliet St. and concrete paving, etc. 14,130 sq.yd. various alleys.

Wis., Milwaukee—July 2, by W. J. Cary, clerk Milwaukee Co., improving 0.8 mi. St. Francis Ave., 6,500 cu.yd. excav., 7,600 lb. reinforcing, 15,175 sq.yd. concrete or vibrolithic concrete paving, etc. J. T. Donaghey, Madison, highway engr.

Minn., St. Paul—July 21, by F. S. Gram, city purch. agt., grading and paving Mississippi River Blvd. from West 7th St. to

Streets and Roads (Continued)

end of present paving and Mississippi River Blvd. from West 7th St. to Ft. Snelling Bridge approach. $75,000. G. M. Shepard, city engr.

Nebraska—July 29, 30 and 31, by R. L. Cochrane, secy. Dept. Pub. Wks., 417 mi. gravel surfacing, 290 mi. grading, 4.5 mi. paving, 44 bridges, etc., on state roads. $2,500,000. R. L. Cochrane, highway engr.

North Dakota — July 23, by State Hy. Comn. and Comrs., Wells Co., Court House, Fessenden, graveling 10.22 mi. Federal Aid Project 90, south of Hurdsfield.

Missouri—July 24, by State Hy. Dept., Jefferson City, grading, etc., 15,184 cu.yd. Oregon-Savannah Rd., Andrew Co., 71,213 cu.yd. Pickering-Maryville Rd., Nodaway Co., 40,261 cu.yd. road from Macon north, Macon Co., 21,982 cu.yd. road from Lipton, east and west, Pettis Co., 60,387 cu.yd. road from Kirksville south, Adair Co., 54,837 cu. yd. Oregon-Savannah Rd., Holt Co.; 30 ft. grading, etc., 73,317 cu.yd. road from La Plata south, Macon Co., 25,575 cu.yd. road from Marceline north, Linn Co., 24,802 cu. yd. road from Hartville south, Wright Co., 5,133 cu.yd. Kansas City-St. Joseph Rd., Platte Co. 36,176 cu.yd. road from St. Clair west, and 36,524 cu.yd. road from St. Clair east and west, both in Franklin Co., 46,194 cu.yd. Columbia-Ashland Rd., Boone Co., 36,132 cu.yd. road from Alton east, and 13,547 cu.yd. Koshkonong-Thayer Rd., both in Oregon Co., 18,073 cu.yd. road from Millard south, and 19,168 cu.yd. Millard-La Platta Rd., both in Adair Co., 143,-070 cu.yd. Clinton-Calhoun Rd., Henry Co.; 16 ft. gravel surfacing 2,761 cu.yd. Troy-Hawkpoint Rd., Lincoln Co., 4,491 cu.yd. Benton-Charleston Rd., Scott Co., 81,219 cu. yd. New London-Perry Rd., Ralls Co., 8,773 cu.yd. Paris-Mexico Rd., Audrain Co., 17,-825 cu.yd. Paris-Mexico Rd., Monroe Co., 5,726 cu.yd. Campbell-Clarkton Rd., and 5,424 cu.yd. road from Ipley east and west, both in Dunklin Co.; 18 ft. gravel surfacing 4,070 cu.yd. road from Macon south, Macon Co.; 9 ft. concrete paving 24,570 sq.yd. Pickering-Maryville Rd., Nodaway Co.; 18 ft. concrete paving 45,269 sq.yd. Oregon-Savannah Rd., Andrew Co., 63,804 sq.yd. road from Kirksville south, Adair Co., 52,-232 sq.yd. road from Macon north, Macon Co., 82,189 sq.yd. Oregon-Savannah Rd., Holt Co.; 18 ft. rock asphalt on sledge stone paving road from Lipton east and west, Pettis Co.; 18 ft. penetration macadam on sledge stone surfacing 32,808 sq. yd. road from Lipton north and south, Pettis Co. B. H. Piepmeier, state highway engr.

Mo., Neosho—July 21, by D. Lewis, city clk., improving Main, Wood, Spring and Washington Sts., 2,600 cu.yd. excav., 9,600 sq.yd. 7 in. concrete paving, etc. Black & Veatch, Mutual Bldg., Kansas City, engrs.

Tex., Anson—Jones Co. taking bids grading, bridging, etc., 9.68 mi. State Highway 30, Federal Aid Project 493-A, $60,000. J. W. Puckett, Stamford, engr.

Tex., Boston — July 24, by State Hy. Engineer, Austin, clearing, grubbing, bridging, grading and concrete paving 10.29 mi. State Highway 1, Federal Aid Project 474, Bowie Co., $349,939. D. K. Caldwell, Texarkana, engr.

Tex., San Angelo—Taking bids permanent paving 10 blocks various streets. $160,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Apr. 23.

Tex., San Antonio—Taking bids paving St. Marys, Augusta, Convent and Dolorosa Sts. $30,000. I. Ewig, city engr.

Tex., Port Arthur—Taking bids asphaltic surfacing 95,000 sq.yd. various streets, $140,000. J. O. Herpin, engr.

New Mexico—Aug. 3, by State Hy. Dept., Santa Fe (**F. A. P. means Federal Aid Project**) grading and one-course gravel surfacing 36,172 cu.yd. F. A. P. 131-A, Eddy Co.; grading and two-course crushed caliche surfacing 31,422 cu.yd. F. A. P. 30-C, Lea Co.; grading and two-course crushed stone surfacing 9,091 cu.yd. F. A. P. 121-A, Socorro Co., and 12.06 mi. F. A. P. 106-B, Otero Co.; grading and bridging, etc., 0.462 mi. F. A. P. 107-A, Dona Ana Co.; three 140 ft. steel spans, etc. over Felix River, on F. A. P. 108-A, Chaves Co.; also Ute Creek Bridge, on F. A. P. 117, Harding Co. J. A. French, highway engr.

Nevada — July 29, by State Hy. Dept., Carson City, grading, etc. 2.54 mi. Sparksvista Rd., Washoe Co., 62,930 cu.yd. excav., etc. G. W. Borden, highway engr.

Calif., Glendale — City Trustees taking bids improving San Fernando Rd., 1,468,-976 sq.ft. grading, 1,259,520 sq.ft. paving, etc. J. F. Johannsen, city engr.

Quebec — July 17, by J. L. Boulanger, deputy minister Dept. Rds., Quebec, 79,356 ft. oiled macadam road in Laval Co.

Ont., North Bay—July 17, by J. Lyons, minister Lands & Forests, Toronto, graveling 20 mi. North Bay-Cochrane Trunk Rd. $200,000. C. H. Fullerton, Parliament Bldgs., engr.

Ont., Saulte Ste. Marie—July 17, by J. Lyons, minister Lands & Forests, Parliament Bldgs., Toronto, graveling 18 mi. Haviland Bay Rd., here, for Northern Development Branch Provincial Highways. $200,000.

Ont., Saulte Ste. Marie—July 20, by R. G. Campbell, city clk., curbing, guttering and rein.-con. paving 17,000 sq.yd. various streets. $50,000. L. R. Brown, city engr.

Mexico, Coahuila, Saltillo — July 31, by Comrs. Pub. Wks., improving various streets, 170,000 sq.yd. bituminous macadam pavements, 4,700 yd. concrete storm sewers, 22- to 60-in. diam., etc. $300,000.

BIDS RECEIVED

Massachusetts — Dept. Pub. Wks., Boston, bituminous macadam surfacing 1,485 ft. highway in North Andover, from M. McDonough, Humphrey St., Swampscott, $9,129, 5,207 ft. highway in Dracut, from G. O. Allen, Dracut, $22,657; bituminous concrete paving 6,438 ft. highway in Nantucket, from M. F. Roache, 355 Spring St., Bridgewater, $27,173; rein.-con. bridge and bituminous macadam paving 2,351 ft. highway in Harvard, from R. E. Bull, 151 Harrison Ave., Fitchburg, $24,633; steel bridge and gravel surfacing 3,400 ft. highway in Tolland & Sandisfield, from C. B. Lindholm, 24 Norton St., Pittsfield, $64,277. Noted July 9.

Rhode Island — State Bd. Pub. Wks., State House, Providence, bituminous macadam paving 2.91 mi. West Main Rd., Middletown and Portsmouth, from Walsh & Co., 113 State St., Boston, $80,555. Noted June 18.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 9, from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, curbing, flagging, asphalt paving, etc. Van Alst Ave. $114,347, from Welsh Bros. Contg. Co., 32 Queens St., Astoria, Ely Ave. $36,078; from Gifford Constr. Co., Fulton St., Jamaica, regrading, etc., and constructing drains for Beach Channel Dr. $40,180; from Sprague Constr. Co., paving Beach Channel Dr. $145,400, from Cleveland Trinidad Paving Co., Flushing, 6th Ave. $12,819, Washington Ave. $15,807, Fremont St. $16,-061, from Pegno Constr. Co., 380 Freeman Ave., Astoria, Marion St. $10,506, Caspian St. $12,021. Park Lane $68,708; from Sicilian Asphalt Paving Co., 41 Park Row, New York City Welling St. $14,005, Gamma Pl. $10,900, from H. E. Kordes Co., 2577 Cooper St., Brooklyn, Marabel Ave. $8,850 from C. H. Georgi, 15 Ely Ave., St. James St. $1,966, Bell Blvd. $1,077, from C. Kurth, 9519 126th St., Richmond Hill, 87th St. $4,589. Noted July 2.

N. J., Mt. Ephraim—Centre Twp. Com., June 29, sidewalks on various streets, from New Area Concrete Co., 2623 Westfield Ave., Camden, $73,337.

N. J., Newton—Bd. Freeholders Sussex Co., July 1, rein.-con. paving 1¼ mi. Ross Corner-Sussex Rd., from C. Sebolt, 10 Richmond St., New Brunswick, $47,292; shale surfacing 60,335 sq.yd. Sussex-Coleville Rd., from Gallagher & Cozine, 10th Ave., Paterson, $75,347. Noted June 18.

N. J., Pennington—Hopewell Twp. Com., July 6, concrete paving 2 mi. Pennington Hopewell Rd., from Sigafoos & Poore, Frenchtown, $68,015.

N. J., Perth Amboy—State Hy. Comn., Trenton, constructing Route 4, Sect. 33, Perth Amboy Bridge cutoff, Middlesex Co., incl. 36,120 sq.yd. concrete, 21,600 sq.yd. excav., from J. F. Chapman, Hillside, $168,941. Noted July 2.

N. J., Plainfield—Common Council, sheet asphalt paving 30,770 sq.yd. South Ave., from Weldon Constr. Co., Westfield, $158,-609. Noted June 11.

Pennsylvania — Dept. Hys., Harrisburg, July 7, (**R. means Route and A. means Application**), one course rein.-con. paving 6,721 ft. R. 276, Sect. 6, A. 3258, Cambria Co., from McClure & Bingner Co., Inc., 1014 and 1015 U. S. Natl. Bank Bldg., Johnstown, $146,554, 1512 ft. R. 73, Butler Co., from Penn-Erie Constr. Co., Erie, $23,-084, 15,630 ft. R. 53, Sect. 1, Blair-Cambria Co., and 9,960 ft. R. 20, Sect. 7, Lycoming Co., from A. W. Hinaman, Somerset, $134,-480 and $100,632 respectively, 32,746 ft. R. 189, Sect. 3, Armstrong-Indiana Counties, from M. Bennett & Sons, Indiana, $294,541, 18,200 ft. R. 142, Sect. 2, Chester Co., from Juaniata Co., 410 Empire Bldg., Phila., $145,359, 29,225 ft. A. 2696, Montgomery Co., from Soudor Constr. Co., 349 Woolworth Bldg., Lancaster, $203,231, 38,474 ft. R. 158, A. 2931, Lehigh Co., from General Paving Co., 24 B. & B. Bldg., Allentown, $270,324, 2,412 ft. R. 281, Bucks Co., from Haydock-Martin Co., Inc., Germantown Ave. and Durham St., Phila., $22,298, 1,072 ft. R. 108, Sect. 1-A, Washington Co., from Johnson & Kearns Co., Box 193, DuBois, $12,891; bituminous surface course on concrete or one course rein.-con. paving 6,895 ft. R. 85, A. 3420, Erie Co., from McDermott Constr. Co., 414 Pratt St., Niles, O., $47,878; bituminous macadam penetration method on broken stone surfacing 8,349 ft. A. 2828, Huntingdon Co., from W. C. Guncheon & Co., Masonic Bldg., Harrisburg, $70,753. Noted June 25.

Delaware—State Hy. Dept., Dover, from D. E. O'Connell & Sons, Ridley Park, grading and concrete paving, etc., 1.06 mi. 6th St., New Castle, Contr. 54 $42,023, 0.45 mi. Washington St., New Castle, Contr. CN-25 $14,283, 4.87 mi. Christiana-Newark, Contr. CN-27 $172,346; from W. W. Truitt, Lincoln City, 0.97 mi. Valley Rd., Pennsylvania Line, Contr. CN-26 $49,259; from E. Riley Mixner, Goshen, N. J., 1.49 mi. Point Breezo School-Faulk Rd., Contr. CN-28 $65,805; from Field, Barker & Underwood, Commercial Trust Bldg., Phila., Pa., 7.04 mi. Willow Grove-Maryland Line, Contr. CK-28, metal joint $232,065, nonmetal joint $229,461. Noted June 11.

Md., Baltimore — Bd. Awards, grading 33,000 cu.yd. Contr. 291-OA, from J. J. Bresnan, Woodland Ave., $17,490, and 24,-100 cu.yd. Contr. 290-OA, from Potts Co., New Amsterdam Bldg., $11,001; concrete paving, etc. 6,800 sq.yd. Contr. 292-OA, from Development & Contg. Co., Amer. Bldg., $16,783. Noted June 25.

O., Akron—Summit Co., June 29, (**e. e. means engrs. est.**), improving 2.73 mi. Monroe Falls-Kent Rd., 10,500 cu.yd. earth excav., and 6,000 tons slab, from V. B. Proehl, Ravenna, $25,605, e. e. $27,500; Cuyahoga Falls-Magadore Rd., 17,200 sq.yd. bituminous concrete, 18,800 lin.ft. concrete curbing, 12,000 cu.yd. earth excav., etc., from McCourt Constr. Co., 369 South Main St., Akron, $63,834, e. e. $74,000; South Main St., 6,000 sq.yd. bituminous concrete, 7,200 lin.ft. concrete curbing, 6,800 cu.yd. earth excav., etc., from T. E. McShaffrey Constr. Co., 173 South Forge St., $24,150, e. e. $26,400. Noted June 18.

Wis., Racine — Bd. Pub. Wks., July 6, from H. J. Glover & Son, Schwartz Bldg., Kenosha, improving various streets, 13,926 ft. concrete curbing and guttering at $0.79 per ft., 41,265 sq.yd. concrete paving $2.44, etc., total $111,190. Noted July 2.

Tex., Seguin—State Hy. Comn., Austin, (a) 1½ in. triple inverted peneration bituminous topping, or (b) 1½ in. inverted penetration bituminous topping 10.01 mi. State Highway 3, Federal Aid Project 35-A-C, Guadalupe Co., 98,539 sq.yd. asphaltic macadam, from Coglazier & Hoff, 910 Austin St., San Antonio, (a) $54,197 (b) $58,-631; gravel surfacing and bituminous topping 5.13 mi. State Highway 3, Federal Aid Project 35-B, Guadalupe Co., from P. Schriewer, Seguin, $41,436. Noted June 25.

Okla., Guthrie—G. L. Anderson, city clk., grading and vertical fibre brick surfacing 5,500 sq.yd. and concrete surfacing 7,170 sq.yd. Noble, Vine, Park and Egg Sts., from Park and Moran, Box 622, Tulsa, Okla., $48,826. Engrs. est. $49,853. Noted June 11.

Missouri—State Hy. Dept., Jefferson City, from Metropolitan Paving Co., 7th and Olive Sts., St. Joseph, grading 4.871 mi. road between Stewartsville and Cameron, DeKalb Co., $25,899, 4.735 mi. same road, $35,092, from Midwest Eng. Co., Mt. Vernon, Ill., 4.861 mi. road from Trenton south, Grundy Co., $8,109; from C. F. Johnson & Sons, Buffalo, 30 ft. grading 3.031 mi. road from Phillipsburg to Lebanon, Laclede Co. $13,251, 4.557 mi. same road $20,598, from J. P. Harlin, West Plains, 4.351 mi. road from Ava to Gainsville, Ozark Co. $23,546, 4.014 mi. same road $32,186, 4.398 mi. same road $55,113, from J. A. Carlson, Macon, 2.466 mi. road from Callao to Macon, Macon Co. $26,330, from M. Haase, St. Joseph, 2.793 mi. road from Callao to Macon, Macon Co. $22,154, from Republic Concrete Constr. Co., Republic, 0.433 mi. road from Ava to Gainsville, Ozark Co., $4,031; from J. Stanton, Leavensworth, Kan., 18 ft. concrete surfacing 4.735 mi. road from Stewartsville to Cameron, DeKalb Co. $47,-825, from C. H. Atkinson Paving Co., Watertown, S. D., 4.871 mi. same road $42,-836, from List & Hallett Constr. Co., Kansas City, 4.861 mi. road from Trenton south, Grundy Co., $83,387; from J. M. Birmingham, Vienna, 20 ft. gravel surfacing 1.026 mi .road from Loose Creek to Linn, Osage Co. $2,080, from Maxwell Constr. Co., Columbus, Kan., 0.313 mi. road from Cuba to Steelville, Crawford Co. $3,182, from J. A. Kerr, Ozark, Mo., 2.293 mi. road from Galena south, Stone Co. $3,430, from St. Louis Constr. Co., Frisco Bldg., St. Louis, 3.447 mi. road from Union west, Franklin Co. $34,348, from Fluckiger & Jacobs, Union, 2.757 mi. same road $25,-247, from Farrell & Dubrouillet, Linn, 3.296 mi. road from Linn to Mt. Sterling, Osage Co. $28,683, 4.828 mi. same road $32,864;

Streets and Roads (Continued)

from Buffalo Constr. Co., Buffalo, 18 ft. gravel surfacing 4.906 mi. Mack Creek Lunis Rd., Camden Co. $25,683; from H. R. Boone, St. Louis, 12 ft. gravel surfacing 4.402 mi. road from Warrenton to Hopewell, Warren Co., $32,745; from M. E. Gillioz, Monett, 20 ft. gravel surfacing 4.38 mi. road from Cuba to Steelville, Crawford Co. $62,-811, 9.496 mi. Galloway-Rogersville Rd., Greene Co. $9,846, 18 ft. concrete surfacing 1.989 mi. same road $29,408, grading 1.989 mi. same road, $18,688; from Koss Constr. Co., foot Des Moines St., Des Moines, Ia., 18 ft. concrete surfacing 2.66 mi. road from Lamar to Jasper, Barton Co., $43,262, 4.337 mi. same road $69,725, grading 2.66 mi. same road $15,979, grading 4.337 mi. same road $18,732. Noted June 18.

Wash., Bucoda — City Council, concrete paving ¾ mi. Main St. et al., from Hart, Phillips & Shaughnessy, Auburn, $28,569. Engrs. est. $33,000. Noted May 28.

California—State Hy. Comn., Sacramento, concrete paving 10.8 mi. and widening with concrete shoulders 2.3 mi. road between point 1½ mi. north of Oceanside and 2 mi. south of San Onofre, San Diego Co., from Jahn & Bressi, Laughlin Bldg., Los Angeles, $322,737. Engrs. est. $361,394.

Calif., Beverly Hills—From E. L. Fleming, 144 South Brand Blvd., Glendale, improving Rodeo Dr., 40,269 sq.ft. grading at $0.04 per sq.ft., 29,507 sq.ft. sidewalks $0.16, 87,897 sq.ft. asphalt paving $0.05, etc., total $27,075.

Calif., Venice — Improving Washington Blvd., Westminister Ave., etc. from S. Pearson, 706 Boocciaccio St., Venice, 6 in. concrete paving at $0.235, 5 in. concrete paving $0.19, 6 in. asphaltic concrete paving $0.27, etc. Total $34,365.

CONTRACTS AWARDED

Maine — State Hy. Comn., State House, Augusta, concrete and bituminous macadam surfacing 3.77 mi. highway in York, to Bruno & Petitti, 18 Tremont St., Boston, $203,727; bituminous macadam surfacing 2.87 mi. highway in Windham and Raymond, to Ford & Smiley, Skowhegan, Me. $74,376. Noted July 2.

Vt., Pownal — State Hy. Comn., State House, Montpelier, concrete paving 2.2 mi. highway, here, to P. J. Keating Co., 280 Main St., Fitchburg, Mass., $104,558. Engrs. est. $100,000. Noted June 22.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 12,865 ft. highway in Groton, and 3,900 ft. highway in Boylston, to C. E. Horne, Milbury, $69,-242 and $23,467 respectively; 1,800 ft. highway in Enfield, to E .W. Shumway & F. M. Fuller, Belchertown, $13,778; 4,000 ft. highway in Stockbridge, to Kelleher Bros., Turners Falls, $28,776. Grand total $135,263.

Mass., Boston — Dept. Pub. Wks., recut granite block paving Broad and Hawley Sts., to M. F. Gaddis, 2A Victoria St., Dorchester, $31,078. Noted June 22.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston sheet asphalt or bituminous paving Barrington St., here, to J. A. Singarella, 110 High St., Boston, $35,247.

Rhode Island — State Bd. Pub. Wks., State House, Providence, rein.-con. paving 7.69 mi. Tower Hill Rd. in North and South Kingston, Federal Aid Project 9, to A. D. Bridges, Hazardville, Conn., $388,025. Noted June 18.

Connecticut — J. A. MacDonald, comr. State Hy. Dept., Hartford, bituminous macadam paving 9,273 ft. Willimantic-Hampton Rd. in Chaplin, and 12,675 ft. Southbury Rd. in Roxbury and Woodbury, to Miller Bros. Constr. Co., 750 Main St., Hartford, $54,550, and $67,162 respectively; bituminous macadam paving 2,800 ft. Weatogue Mt. Rd. in Simsbury, to Immick Co., State St., Meriden, $27,273; rein.-con. paving 14,000 ft. River Rd. in Cromwell, and 10,913 ft. New London Turnpike in Glastonbury, to F. Arrigoni & Sons, 624 Main St., Middletown, $90,087 and $73,843 respectively, 21,973 ft. Waterbury Turnpike in Meriden and Southington, to D. O'Connell & Sons, Holyoke, Mass., $119,193, 2,050 ft. Bridge St. in New Milford, to Lane Constr. Co., 37 Colony St., Meriden, $28,171, 7,492 ft. Goshen Rd. in Torrington, to J. DeMichiel & Bros., Torrington, $110,680, 7,750 ft. Milford Shore Rd. in Milford, to Conn. Natl. Pavement Co., 173 Orange St., New Haven, $53,117, 4,575 ft. Norton Hill Rd. in Stamford and Darien, to W. N. Arthur, Glenbrook, $109,400, 2,356 ft. Rowley St. in Winchester, to Patterson & Rossi, Torrington, $62,945; asphalt surfacing 3,602 ft. Maple Ave. in Hartford, to E. Balf Co., 14 Haynes St., Hartford, $45,901. Grand total $843,312. Noted July 9.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to Uvalde Asphalt Paving Co., 1 Bway., New York City, asphalt paving Amboy St. $4,557, Bristol St. $6,504, Duryea Pl. $3,145, East 34th St. $3,048, East 35th St. $5,329, Hemlock St. $4,454, Montgomery St. $3,405, Ralph Ave. $2,127, Saratoga Ave. $6,306; to Brooklyn Alcatraz Co., 407 Hamilton Ave., asphalt paving Dahill Rd. $7,305, Elmore, Delamere and Mansfield Places $11,857, East 13th St. $4,175, East 27th St. $7,557, East 34th St. $5,048, East 37th St. $14,142, Ave. R. $9,940, East 27th St. $8,991, 6th Ave. $6,841, 19th Ave. $5,836, 59th St. $6,338, 65th St. $41,995, 89th St. $4,468, to Cranford Co., 52 9th St., Pitkin Ave. $6,994, to B. Turecamo Contg. Co., 8706 Bay 12th St., 70th St. $8,968, 78th St. $7,175, 80th St. $5,627, to M. J. O'Hara, 1228 Park Ave., 11th Ave. $38,249; to F. Persicano, 350 Fulton St., grading, curbing and flagging East 27th St. $2,743, to Grimm Contg. Co., 170 McGinley St., 9th Ave. $1,097, 24th Ave. $4,095, to B. Peconi & Son, 570 18th St., 59th St. $3,896. Grand total $244,907.

N. Y., Brooklyn—Park Bd., Dept. Parks, 64th St. and 5th Ave., New York City, improving west drive of Prospect Park, here, to Cranford Co., 52 9th St., $99,175. Noted July 9.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., granite block repaving East 204th St., to St. George Granite Co., 90 West St., $29,-089; sheet asphalt paving Brook Ave., to Interboro Asphalt Co., 2306 Creston Ave., $55,973. Noted July 9.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., curbing, recurbing, flagging, reflagging and asphalt surfacing roadway of Isham and Cooper Sts., Seaman Ave., Isham, Cooper and West 207th Sts., to J. E. Gaffney Constr. Corp., 50 East 42nd St., New York City, $21,917; granite block surfacing East 94th St., and widening and granite block surfacing 4th Ave., to John Meehan & Sons, 74 Courtlandt St., $19,789 and $184,301 respectively; asphalt surfacing Haven Ave., to Brusstar Constr. Co., Harlem River and 150th St., $7,359; grading, curbing and granite block surfacing East 139th St., to C. Helbock Co., 633 Wales Ave., $13,954. Grand total $247,320.

New Jersey—State Hy. Dept., Trenton, concrete paving 80,220 sq.yd. Route 4, Sect. 32, from Rahway to Perth Amboy, Middlesex and Union Counties, to C. H. Winans, 206 Broad St., Trenton, $478,283. Noted June 18.

Pa., Altoona—Brick and concrete paving 9,928 sq.yd. various streets, to J. G. King, 307 Altoona Trust Bldg., $45,430; 1,335 sq.yd. various streets, to A. Fogel & Son, 705 Logan Ave., Hilltop, $5,806; 13,179 sq. yd. various streets, to E. L. Grannas, 1907 5th Ave., $49,670; and 7,000 sq.yd. various streets, to J. R. Mathieu & Sons, 1824 Union Ave., $29,239. Grand total $130,145.

Pa., Etna (mail Pittsburgh)—Boro Council, paving Dewey St., to M. O. Herron Co., Etna, $43,467.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)** to J. Weisner, St. Marys, improving R. 221, A. 3366, Clearfield Co., 37,500 sq.yd. rein.-con., $2.95 per sq.yd., 23,500 cu.yd. unclassified excav. $1, total $168,120; to T. W. Munro, Du Boise, R. 70, Alleghany 1,500 sq.yd. vitr. brick $6.25, 5,943 sq.yd. 9 x 7 x 9 rein.-con. $3.80, 1,357 sq.yd. 7 x 7 x 7 rein.-con. $3.50, 1,623 cu.yd. unclassified excav. $2.30, total $50,147; to W. E. Bennett, Lanesboro, R. 296, Susquehanna Co., 1,378 sq.yd. vitr. brick $6.50, 18,100 sq.yd. rein.-con. $3.30, 14,100 cu.yd. unclassified excav. $1.50, total $127,875; to Donora Constr. Co., Donora, R. 288, Fayette Co., 31,226 sq.yd. rein.-con. $3.40, 30,587 cu.yd. unclassified excav. $0.80, total $168,591, to Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., R. 140, Sect. 4, Schuylkill Co., 72,533 sq.yd. rein.-con. $3.50, 22,800 cu.yd. unclassified excav. $1.17, 3,100 cu.yd. borrow, $1.10, total $297,142; to B. L. McKillipp, Hollidaysburg, R. 53 and 260, Blair Co., 2,340 sq.yd. 9 x 7 x 9 rein.-con. $3.20, 7,170 sq.yd. 7 x 7 x 7 rein.-con. $3.25, 1,739 cu.yd. unclassified excav. $1.50, total $35,790. Grand total $847,665. Noted June 18 and July 2.

Pa., Phila.—Bureau of Highways, Dept. Pub. Wks., to R. B. Wenner, 2310 Walnut St., grading Callowhill St. $4,911, Coleman, Overbrook and Woodbine Sts. $16,544, to F. Mark Contg. Co., 2820 North 21st St., Mt. Pleasant and Thourton Sts. $8,993; to Eastern Asphalt Co., 1504 Pennsylvania Bldg., asphalt paving Amber and Erie Sts. $29,296, Buist, Dicks and 66th Sts. $41,094, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., "K" $40,475, Luzerne St. $31,673, Meehan St. $8,912, Musgrave St. $12,365, to Barber Asphalt Co., 239 North 30th St., Malvern and 59th Sts. $36,-386, Walnut Lane $40,999, to Union Paving Co., 30th and Locust Sts., Malvern St. $20,073, York Rd. $64,927, 2nd and 3rd Sts. $21,732, 67th and 68th Sts. $21,[illegible]; to M. J. McCrudden, 1134 Real Estate Trust Bldg., country road improving Henry, Naomi, Penn and Vaux Sts. $23,682; to Baton Constr. Co., 1713 Sansom St., redressed granite block repaving 8th St. $16,775; to J. Meehan & Son, 916 West Dakota St., granite block paving 16th St. $10,080. Grand total $460,482. Noted July 2.

Pa., Pittsburgh—Repaving Wylie Ave. to Booth & Flinn Ltd., Forbes St., $32,734. Engrs. est. $35,000.

Pa., Uniontown — W. Huston, controller Fayette Co., rein.-con. paving 1 mi. McClellandtown Rd., 18 ft., to P. Direnzo, Fayette City, $70,709. Noted June 18.

Md., Baltimore—Bd. Awards, sheet asphalt paving 11,750 sq.yd. Contr. 289 OANA, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $55,474. Noted July 2.

Virginia—State Hy. Dept., Richmond, improving 1 mi. highway east of South Hill, 1.97 mi. highway on Route 12 northward and 0.34 mi. road from point on same route southward, and widening streets of South Hill, to Spotsylvania Constr. Co., Highland Springs, $120,061.

W. Va., Huntington—Bd. City Comrs., asphaltic concrete surfacing Washington Blvd., Elwood Ave., Sumner and Charleston Sts., to G. Pence, Huntington, $60,124. Noted June 18.

S. C., Georgetown—City, paving various streets to Ely Constr. Co., Lamar Bldg., Augusta, Ga., $83,687; sidewalks and gutters, to Simons-Mayrant Co., Charleston, $34,625. Noted June 18.

Ga., Dalton — Curbing, guttering and Warrenite bitulithic on concrete surfacing various streets, to Atlantic Bitulithic Co., Munsey Bldg., Wash., D. C., $73,424.

Ala., Opelika — Concrete surfacing 12 blocks 2nd Ave., 8th and 9th Sts., 30 ft., to Sullivan, Long & Haggerty, Bessemer, $64,097. Engrs. est. $64,165.

Tenn., Jackson—Concrete surfacing 40,-000 sq.yd. various streets, to Southern Paving & Constr. Co., Volunteer Life Bldg., Chattanooga, approximately $150,000. Noted May 28.

Tenn., Milan — Concrete paving 5 mi. various streets, to Lawrence Constr. Co., Jackson, Miss., $100,000. Engrs. est. $100,-000. Noted July 2.

O., Aurora—A. B. Smythe Co., Smythe Bldg., Cleveland, 1 mi. 8- to 12-in. vitr. tile, 1 mi. 6 in. c.i. watermains and penetration treatment for gravel roadway, in A. B. Smythe allotment, here, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $45,000.

O., Cleveland—City, to Roehl Bros., 7002 Dennison Ave., grading, curbing, guttering and paving West 38th St., brick $27,081, West 53rd St., asphalt $19,904, West 138th St., asphalt $35,504; to Gould & Maybach, 16311 Saranec Rd., grading, curbing, guttering and asphalt paving East 85th St. $14,-791. East 65th St., $17,626, Linwood Ave. $8,039, Ridpath Ave. $25,110, to Baldwin Bros., 4500 Euclid Ave., Saratoga Ave. $36,795; to Rieley Bros., The Arcade, asphalt paving, etc. East 128th St. $30,719, grading, curbing, guttering and brick paving West 15th St. $19,864. Grand total $235,433.

O., Salem—Paving Hawley Ave., to J. D. Paxson, Salem, $27,582, engrs. est. $30,000; asphalt paving Franklin Ave., to Columbus Asphalt Co., 288 East 16th Ave., Columbus, $27,845, engrs. est. $30,000. Noted Nov. 27 and Jan. 15.

Indiana—State Hy. Comn., Indianapolis **(F. A. means Federal Aid)**, concrete paving 5.582 mi. F. A. Rd. 94, Sect. A, Warren Co., to G. T. Miller Constr. Co., Lebanon, $98,-783; 11.276 mi. F. A. 84, Sect. B, Noble Co., to L. P. Beard, 406 Guaranty Bldg., Indianapolis, $199,639; 9.56 mi. F. A. Rd. 78, Sect. E, Sullivan Co., to Hutchinson Constr. Co., 415 Guaranty Bldg., Indianapolis, $210,747. Grand total $509,169.

Ind., Winchester—Randolph Co., concrete and brick paving 1½ mi. John Cheesman Rd., and ½ mi. Jeffery Rd., to G. W. Fleming, Portland, $23,485 and $8,839 respectively, concrete paving Harmon Rd., in Saratoga, to Webb Isenbarger, Winchester, $40,549. Grand total $72,873.

Michigan — State Hy. Dept. at office Comrs. Ionia Co., Ionia, grading 1.801 mi. Trunk Line Rd. 16-28 B, to G. P. Scharl, Grand Rapids, $50,876.

Michigan—State Hy. Dept. at office Comr. Alger Co., Munising, graveling 5.528 mi. Trunk Line Rd. 77-1A, to Hill Bros., Munising, $60,726. Noted June 11.

Streets and Roads (Continued)

Mich., River Rouge—Vibrolithic concrete paving 16,500 sq.yd. Byron St., Florence, James, Haltner and Ferguson Aves., to R. J. Powelson & Co., 6530 Epworth Blvd., Detroit. Engrs. est. about $55,000.

Ill., East St. Louis — City, to Keeley Constr. Co., 2100 State St., grading, curbing and paving 43rd St. from Caseyville to Van Buren Sts. $20,035, 31st St. from Jones Park to Bway. $20,412, and sewer in Brockman Pl. $3,145; to Moore Constr. Co., 925 North 8th St., paving North 12th St. from Missouri to State Sts.; to Concord Constr. Co., Josephene Bldg., asphalt resurfacing 30,940 sq.yd. 9th St., $105,398. Noted May 7.

Ill., Geneva — Kane Co., concrete surfacing 6.06 mi. Road 10, Sects. 50-15-D and 50-B-15-D, 18 ft., also two span 16 ft. rein.-con. slab bridge, on road, to P. T. Fess, Madison, Wis., $125,248 and $4,379 respectively.

Ill., Kewanee—Bd. Local Impvts., brick paving Beach, Birch and Tremont Sts., to Graham-King Constr. Co., 550 South Cedar St., Galesburg, $36,751. Noted June 11.

Ill., Peoria—Bd. Local Impvts., grading, curbing, paving, etc. East Virginia Ave. from Peoria to Pacific Aves., 30 ft., to J. W. Bushell, 132 South Washington St., $50,894. Noted July 2.

Wis., Cudahy — C. Wolbert, city clk., curbing and vibrolithic concrete paving 24,164 sq.yd. Pulaski, Barnard and Layton Aves., to Czerwinski Constr. Co., 775 National Ave., Milwaukee, $2.54 sq.yd. Noted June 4.

Ia., Iowa City—Curbing, guttering and concrete surfacing 13,200 sq.yd. various streets, to W. Horrabin Constr. Co., 15 East College St., Iowa City, $34,000. Noted June 18.

Ia., Knoxville — Marion Co., to L. V. Holscher, Victor, improving Federal Aid Project 231, 11,277 ft. cable guard rail at $0.27 per ft. and 112 dead men anchors at $5.75 each; to A. H. Miller & Son, Brooklyn, 106,794 cu.yd. earth excav. at $0.24 per cu.yd., 1,000 cu.yd. loose rock $0.70, 100 cu.yd. solid rock $1.75, 47,050 units overhaul $0.02, 752 ft. corrugated pipe $0.30; to F. P. Lowman, Bossey, 1,500 cu.yd. filling $0.339.

Ia., Madrid — Paving 8 blocks various streets, to M. L. Flinn Paving Co., 218 Grain Exch. Bldg., Sioux City, $25,455. Noted June 4.

Ia., Mason City — City, 7 in. rein.-con. surfacing, etc. 816 sq.yd. 4th St. S. E., to Quinby Stone Co., Mason City, $2,856; and tarvia paving 80,000 sq.yd. various streets, to Hargrave Constr. Co., Cedar Rapids. Noted Apr. 2.

Ia., Sioux City — To Western Asphalt Paving Corp., 1st and Nebraska Sts., paving 2,650 sq.yd. West 19th and Helmer Sts. at $1.92 per sq.yd., 6,888 sq.yd. Myrtle and West 2nd Sts. $1.76, 4,560 sq.yd. West 3rd St. $1.82, 8,890 sq.yd. South Helen St. $1.88, 5,680 sq.yd. Rebecca St. $1.73, and 1,580 sq. yd. 3rd Ave. $1.90; to Harrington & Jorgenson, 2200 South Patterson St., 1,100 sq. yd. 33rd St. $1.95. Noted May 21 and July 9.

Minnesota—State Hy. Dept., 1246 University Ave., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, grading and concrete paving 5.3 mi. road between Pine City and Rock Creek, S. P. 1-44, Sect. 1, Div. B, F. A. P. 1, to Nolan Bros., 18 North 2nd St., Minneapolis, $143,487, 5.5 mi. road between Sandstone and Finlayson, S. P. 1-44, Sect. 4, F. A. P. 1, to R. J. Kappahn Constr. Co., 811 Wallace Ave., Duluth, $145,335, 2.1 mi. road between La Crosse and La Crescent, S. P. 3-38, Sect. 1, F. A. P. 371 A, to Morris Constr. Co., Morris, $75,887, 8 mi. road between Sauk Center and Freeport, S. P. 3-45, Sect. 1, F. A. P. 363 A, Div. C, to Ostrand & Hallet, Crosby, $120,400, and Div. E, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, Ia., $69,551; grading 13.6 mi. road between Barnum and Otter Creek, S. P. 1-44, Sects. 6 and 7, F. A. P. 372, to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, $139,066, 3.4 mi. road between Otter Creek and Carlton, S. P. 1-44, Sect. 8, F. A. P. 373, to T. J. Frederick, 613 Globe Bldg., Minneapolis, $58,501, 5.5 mi. road between Lathrop and Walker, S. P. 19-21, F. A. P. 373, to North Dakota Constr. Co., Linton, N. D., $48,968, 24.7 mi. road between Belle Prairie and Brainerd, S. P. 27-28, F. A. P. 172, Div. A, to A. Peterson & Son, Little Falls, $19,476, Div. B of same road, to H. M. Nelson, Chokio, $23,584, Div. C, to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, $30,311, 8.2 mi. road from Leech Lake East, S. P. 34-23, F. A. P. 274, to R. S. O'Neil, Chisholm, $46,236; gravel surfacing 10.5 mi. road between Wheaton and East Co. line, S. P. 10-51, Sect. 2, F. A. P. 226, to Westin Bros., Herman, $29,139. Grand total $949,941. Noted July 2.

Minn., Crookston—Concrete paving 19,000 sq.yd. East Robert and North Main Sts., to Northern Constr. Co., 9 North 8th St., Grand Forks, N. D., $39,352.

Kan., Hiawatha—Curbing, guttering and paving 27,180 sq.yd. various streets, to J. B. Watts, Concordia, $31,500. Noted June 18.

Kan., Mayetta—City, 3 in. brick on 5 in. concrete surfacing 7,198 sq.yd. various streets, to F. Grundeman & Sons, Netawaka, Neb., $27,695.

Neb., Bellevue—City, c/o J. B. Kast, clk., grading and 3 and 4 in. gravel surfacing 22,843 yd. streets in Dist. 2, to J. Kern Constr. Co., 1809 Dodge St., Omaha. Noted July 2.

Neb., Fairbury — Grading, curbing and concrete paving, Paving Dist. 8, to Roberts Constr. Co., 1st Natl. Bank Bldg., Lincoln, $39,105. Noted June 25.

Neb., Milligan—Grading, curbing, guttering and 3 in. brick on 5 in. concrete paving 3,400 sq.ft. Impvt. Dist. 1, to Asplund Constr. Co., Tecumseh, at $2.95 per ft.

Neb., Pawnee City — Pawnee Co., 3 in. gravel surfacing, 190,000 sq.yd. Federal Aid Project 97-A, to Koehler Lumber & Coal Co., Sterling. Noted Apr. 16.

Neb., Sparta—Paving 22,000 yd. various streets, to Allied Contractors, 1803 Douglas St., Omaha, $79,000.

Wyoming—State Hy. Dept., Cheyenne, **(e. e. means engineers estimate)**, grading Riverton-Dubois Rd., Federal Aid Project 159B, Fremont Co., to Peck & Madden, Riverton, $24,409, two rein.-con. bridges on same road, to C. M. Smith, Thermopolis, $9,776; grading and 6 concrete culverts on Douglas-Casper Rd., Federal Aid Project 166A, Converse Co., to J. Davis, Bordeaux, $29,294, e. e. $39,000; grading and 3 timber bridges on Saratoga-Encampment Rd., Federal Aid Project 174A, Carbon Co., to Keahey & Sons, Wheatland, $29,858, e. e. $86,301; grading, surfacing and 5 timber bridges on Sundance-Beulah Rd., Federal Aid Project 25A, Crook Co., to H. Downer, Bozeman, Mont., $60,304, e. e. $80,000. Grand total $153,641.

Wyoming—See "Bridges."

Mo., Caruthersville — Grading, curbing and concrete paving various streets, to McCarthy Constr. Co., Chemical Bldg., St. Louis, $67,581. Noted May 21.

Mo., Clinton—Grading and 7 in. vibrated concrete paving various streets, 9,240 sq.yd., to Reed & Wheelock, Clay Center, Kan., $34,995.

Mo., Kirksville — Grading, curbing and paving Halliburton St. from Jefferson to Patterson Sts., to B. Layton, Kirksville, $19,000.

Mo., St. Louis—Bd. Pub. Serv., **(C. B. means City Block)**, to Eyermann Constr. Co., 1216 South Grand Blvd., grading and concrete surfacing alleys in C. B. 1580 $2,950, C. B. 1664 $2,713, C. B. 2198 $2,276, C. B. 2643 $3,152, C. B. 2675 $4,010, C. B. 2731 $4,965, C. B. 2772 $3,953, C. B. 2943 $1,338, C. B. 5537 $3,087, C. B. 5679 $3,341; to Perkinson Bros., 3237 Carter Ave., C. B. 3390 $3,676, C. B. 5081 $4,032, C. B. 5091 $3,787, C. B. 5251 $2,522, C. B. 5329 $3,779, C. B. 5347 $3,270, C. B. 5543 $3,195, C. B. 5546 $3,481; to Skrainka Constr. Co., Security Bldg., C. B. 3851B $6,503, C. B. 4502 $5,088, C. B. 4534 $5,676, C. B. 5238 $6,121, C. B. 5403 $2,414; to A. Lewald, 1219 Amherst Pl., C. B. 5082 $4,625. Grand total $89,956.

Ark., Conway—Grading, curbing and concrete surfacing 11,900 sq.yd. various streets in Impvt. Dist. 9, to V. Forsgren & D. C. Harton, Conway, $28,157.

Okla., Claremore—Rogers Co., grading, etc. 4 mi. Chelsea-Alluwee Highway, and rein.-con. bridge over Otter Creek, to Hamilton Constr. Co., Bartlesville, $31,245.

Okla., Clinton — Grading, curbing and sheet asphalt surfacing 6,240 sq.yd. Frisco Ave. and 11th St., to Western Paving Co., Tradesman Natl. Bank Bldg., Oklahoma City, $31,869. Engrs. est. $33,000.

Okla., Enid—Garfield Co. grading and surfacing 32,998 sq.yd. Enid-Covington Rd., to Hyde Constr. Co., Enid, $81,027.

Okla., Tulsa—City, **(e. e. means engineer's estimate)**, to Standard Paving Co., 1742 East 6th St., grading and sheet asphalt surfacing 8,258 sq.yd. Dist. 644, $44,400 e. e. $47,500, to H. L. Cannady, 1104 South Lewis St., 4,212 sq.yd. Dist. 647, $27,799 e. e. $28,500, grading and vitr. brick surfacing 857 sq.yd. and concrete surfacing 1,992 sq.yd. Dists. 650-652, $20,453 e. e. $25,000, grading and sheet asphalt surfacing 3,680 sq.yd. and concrete surfacing 943 sq.yd. Dists. 649-653, $24,019 e. e. $26,300.

Washington—State Hy. Comn., Olympia, clearing, grading and surfacing 3.1 mi. State Rd. 21, Kitsap Co., to W. M. McDowell, 3219 Claremont Ave., Seattle, Wash., $50,962, 7.93 mi. State Rd. 1, King Co., to F. McLellan, 1720 16th Ave., Seattle, $113,605; crushed gravel surfacing 5.26 mi. State Rd. 2, Kittitas Co., to F. G. Redmon, Box 482, Yakima, $5,918; improving 42 mi. State Rd. 8, Clarke and Skamania Counties, to L. Welch, 214 East 18th St., Vancouver, $10,809; grading 3.13 mi. State Rd. 12, Cowlitz Co., to Parker & Schram, 514 Couch Bldg., Portland, $16,194, terracing and widening 0.13 mi. State Rd. 8, in Skamania Co., to Barbo Bros., 2649 Hampton Pl., Bellingham, $15,415. Grand total $212,905. Noted June 11.

Wash., Hoquiam—City Council, concrete paving Monroe St. et al., to Greene Eng. Co., Aberdeen, $48,086. Noted June 25.

Wash., Seattle—Bd. Pub. Wks., **(e. e. means engrs. est.)**, paving East 64th St. et al., also North and East 51st Sts., to Firoito Bros., 3950 6th St. N. E., $59,714 and $28,363 respectively; grading Letitia Ave. et al., to F. Arcorace, Thompson Bldg., Seattle, $79,962, e. e. $87,118; concrete walks on Rainier Ave. et al., to D. H. Traphagen, Walker Bldg., $30,529 e. e. $34,098. Grand total $198,568. Noted June 4.

Ore., Portland—Commissioner Multnomah Co., 7 in. concrete paving 4 blocks Tacoma Ave., 30 ft., to A. D. Kern, Exch. Bldg., Portland, $27,796.

Oregon — State Hy. Comn., Portland, grading 11.65 mi. John Day Highway, Malheur Co., to E. Drammie, Downey, Idaho $96,326, 4.32 mi. Roosevelt Highway, Josephine Co., to J. C. Kincade Granite Pass $25,000, 12.56 mi. Santeam Highway, Linn Co.; to Linn County, $101,594, 13.35 mi. Dalles California Highway, Klamath Co., to Newport Constr. Co., Portland, $22,470; broken stone surfacing 18 mi. Dalles California Highway, Klamath Co., to Dunn & Baker, Klamath Falls $57,392, 3.8 mi. Baker Cornicopin Rd., Baker Co., to Triangle Constr. Co., Realty Bldg., Spokane, Wash., $19,990 and 8.40 mi. Roosevelt Highway, Coos Co., to A. B. Grundy, Marshfield $43,505. Grand total $366,277.

Calif., Oakland—Supervs. Alameda Co., broken rock surfacing 17,500 cu.yd. Bay Farm Island Rd., to E. B. and A. L. Stone Co., Claus Spreckels Bldg., San Francisco, $27,455. Noted July 9.

Calif., Patterson—Paving various streets, to A. E. Downer, 749 East Lindsay St., Stockton, $37,926.

Calif., Richmond — Atchison, Topeka & Santa Fe R.R., 6th and Main Sts., Los Angeles, asphaltic concrete paving 118,326 sq.ft. Garrard Ave., to Northern Paving Co., P. O. Box 1237, Richmond, $23,432. Noted July 9.

Calif., Richmond—City, 1½ in. National on 2½ in. concrete surfacing Center, Wall, Ohio Sts., etc., to Northern Paving Co., P. O. Box 1237, Richmond, $85,559. Noted July 9.

Calif., Santa Cruz—Grading, and 5 in. concrete paving 9,373 sq.ft. Soquel Ave., to Granite Constr. Co., Watsonville, $29,018. Noted July 9.

Calif., San Diego—Common Council paving Voltaire, Bacon Sts., etc., to Phoenix-Tempe Stone Co., Home Builders Bldg., Phoenix, Ariz., $81,047; curbing and paving 4th St. from A to K Sts., to Hazard Contg. Co., 302 5th St., $41,079. Noted July 9.

Calif., Sausalito—Grading, curbing, guttering and bituminous paving 10,500 sq.ft. Princess St., Miller and Buckley Aves., to Union Paving Co., Call Bldg., San Francisco, $25,171. Noted July 9.

Calif., Torrance—To O. U. Miracle, 227 Ave. D, Redondo Beach, improving Redondo Blvd. between Madrid and Madrona Ave., 23,103 cu.yd. grading at $0.30 per cu.yd., 180,000 sq.ft. decomposed granite base $0.03, 180,000 sq.ft. 7 in. concrete paving $0.235, etc., total $64,755.

Ont., Fergus—Asphaltic concrete paving 25,300 sq.yd. various streets, to Brehnan Paving Co. Ltd., 400 Gage Ave. N., Hamilton. Engrs. est. $80,000.

Buildings—Industrial

PROPOSED WORK

Mass., Boston—GARAGE—L. S. Kaufman, 94 Queensbury St., having plans prepared by G. N. Jacobs, 4 Park St., 2 story, 100 x 300 ft., rein.-con. and steel, plain foundation, Lehigh and Albany Sts. $200,000.

Mass., Malden (Boston P. O.)—REPAIR and SERVICE GARAGE — S. Spector, 31 York Terrace, Dorchester, having prelimin-

Buildings—Industrial (Continued)

ary plans prepared by C. F. Springhall, 50 Concord St., Malden, 1 story, brick, 11-33 Charles St. corner Middlesex St. $80,000. Noted June 18.

R. I., Cranston—MILL—Respro Mills, c/o C. H. Makepeace & Son, archts., 412 Butler Exch. Bldg., had plans prepared 1 and 2 story, brick and steel, Wellington Ave. $200,000.

N. Y., New York — FACTORY — B. M. Maltz, 32 Court St., Brooklyn, having plans prepared by Parker & Shaffer, 280 Madison Ave., 10 story and basement, Varick St. between Spring and Van Dam Sts. $750,000.

Pa., Phila. — BOILER HOUSE—C. A. Blatchley, archt., Drexel Bldg., soon lets contract 1 and 2 story, 51 x 90 ft., brick, plain foundation, for C. Lenning & Co., Richmond and Kennedy Sts.

Pa., Phila. — MILL — Apex Hosiery Co., Lawrence and Luzerne Sts., plans 6 story and basement, 95 x 145 ft., brick addition, plain foundation, 5th and Luzerne Sts. Private plans.

Md., Baltimore—BAKERY—Ward Baking Co., 774 Pacific St., Brooklyn, N. Y., having plans prepared by C. B. Comstock, 110 West 40th St., New York City, 2 story, brick and steel, plain foundation, Edmondson Ave. and Bentalou St., here. $175,000.

S. C., Spartanburg — PLANT — Taylor-Colquitt Co., Easley, plans creosoting plant, steel and concrete on 77 acre tract, near here. $200,000.

Ga., Atlanta—ICE PLANT—Atlantic Ice & Fuel Co., Washington St. Viaduct, having plans prepared ice plant, rein.-con., brick and steel, 1,000 tons daily capacity and storage, 15,000 tons capacity. $300,000. Private plans. A. Doyle, ch. engr.

Fla., Jacksonville—MILL—Amer. Cross Arm Co., Graham Bldg., purchased 20,000 acres in Orange and Osceola Counties and plans 100,000 ft. daily capacity mill.

Ala., Anniston—PLANT—M and H Valve & Fitting Co., J. W. Conway, pres., plans 100 x 500 ft. foundry and 30 x 75 ft. patten shop. J. E. Sirrine & Co., 309 South Main St., Greenville, S. C., engrs. Noted June 11.

La., Shreveport—ROUNDHOUSE—Texas & Pacific Ry., c/o E. F. Mitchell, ch. engr., Dallas, Tex., soon takes bids roundhouse, repair shop, car shed, etc., here. $200,000.

O., Cincinnati—PLANT and OFFICE—Lockwood, Greene & Co., archts. and engrs., 1 Pershing Sq., New York City, soon let contract 14 story and basement, 116 x 190 ft., brick, steel and concrete, 619 Vine St., here, for Cincinnati Enquirer, F. Wiley, bus. mgr. $2,500,000. Noted Mar. 26.

Ind., Rockville—POWER PLANT—Indiana State Sanitorium, plans 2 story and basement, rein.-con. power plant. $50,000. C. Brossman, Merchants Bank Bldg., Indianapolis, engr.

Ark., El Dorado—ROUND HOUSE—Missouri-Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., plans round house and 2 mi. track, here. E. A. Hadley, ch. engr.

Ark., Fayetteville—FREIGHT STATION—St. Louis & San Francisco R.R. Co., 120 Bway., New York City, plans new freight station and remodeling passenger depot, here. $75,000. F. G. Jonah, St. Louis, Mo., ch. engr.

Tex., Beaumont—POWER PLANT—East Texas Electric Co., E. S. Fitz, supt., soon takes bids rein.-con., brick and steel power plant, 120,000 kw. capacity. $5,000,000. Stone & Webster Eng. Co., 147 Milk St., Boston, Mass., engrs.

Tex., San Antonio—FACTORY—Chamber of Commerce has detailed plans of 3 story, rein.-con., brick and stone factory, here. $250,000. Owner's name withheld.

Tex., San Antonio — FACTORY — Joseph Love, Inc., 40 East 22nd St., plans concrete, brick and stone factory, here. $200,000.

Tex., Temple—ICE PLANT—Temple Ice & Refrigerating Co., 401-409 South 2nd St. having plans prepared and soon takes bids 40 ton ice plant, concrete and brick, West Ave. A and 5th St. $150,000. Ophuls & Hill, 112 West 42nd St., New York City, N. Y., engrs. June 25.

Tex., Wichita Falls — CREAMERY — Mistletoe Creamery Co., c/o S. S. Lard, pres., plans 2 story, 50 x 100 ft. plant. $100,000. Engineer and architect not selected.

Okla., Blackwell — FACTORY and GARAGE—Murdock Motor Co., Ponca City, plans factory and garage, here. $55,000. Engineer and architect not selected.

Okla., Lawton—POWER PLANT—Southwestern Light & Power Co. plans to expend $250,000, general improvements to plans, equipment, extensions, etc.

Calif., Martinez—FACTORY—Amer. Plywood Co., c/o T. Johnson, engr., Hearst Bldg., San Francisco, plans one story factory. $40,000.

Calif., San Francisco—FACTORY—U. S. Metal Products Co., 320 10th St., plans 2 story, 208 x 416 ft., steel and rein.-con., 3rd and Williams Aves. Engineer and architect not selected.

Calif., San Francisco — MILL — Pacific Rolling Mill Co., 17th and Mississippi Sts., plans 1 story steel mill, 2,000 tons per month capacity, on 4 acre site Marin and Kansas Sts. $750,000 or more.

Calif., South San Francisco — MILL — Western Pipe & Steel Co. of California, 444 Market St., San Francisco, having plans prepared (1st unit) 90 x 2,000 ft. group of steel mill buildings here. $1,000,000. W. W. Breite, 601 Clunie Bldg., San Francisco, engr.

Calif., Watsonville—CREAMERY—Watsonville Creamery having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 1 story, rein.-con. and terra cotta. $40,000.

BIDS DESIRED

N. H., Beebe River—FACTORY—Draper Corp., Hopedale, Mass., taking bids 1 story, brick and timber factory, here. $40,000 or more. C. R. Whitcher, 814 Elm St., Manchester, archt.

Mass., Boston—REPAIR and SERVICE GARAGE — H. Klayman, 39 Wilcox St., Dorchester, will build 2 story, 90 x 120 ft., rein.-con. and brick, Neponset Ave., here. $90,000. Work will be done by separate contracts. S. E. Moffle, 51 Cornhill St., Boston, archt.

Mass., Cambridge (Boston P. O.) — MANUFACTURING—Carlton Realty Co., H. L. Rinaldi, 42 Carlton St., taking bids 3 story, 40 x 105 ft., rein.-con. and brick, Carlton St. $50,000. E. N. Adams, 86 Everett St., Arlington, archt.

Mass., Lynn—SHOP—General Electric Co. taking bids Forge Shop 42 E, 1 story, 55 x 100 ft., brick and steel. Private plans.

Conn., Hartford—PLANT—Bd. Charities & Correction, Room 2, City Hall, taking bids refrigeration and ice manufacturing plant, at Springside Home.

Conn., Waterbury—FACTORY—July 18, by Patent Button Co., 41 Brown St., 4 story and basement, 60 x 176 ft., concrete and steel, Abbott St. $200,000. Westcott & Mapes, 139 Orange St., New Haven, archts.

N. Y., New York—BOILER PLANT—July 20, by W. W. Mills comr. Plants & Structures, addition to boiler plant for Central Motor Repair Shop and Willard Parker Hospital, 16th St. and Ave. C.

Pa., Phila. — MANUFACTURING — July 17, by H. H. King, archt., 6752 Germantown Ave., 4 story and basement, 45 x 70 ft., brick and steel addition, plain foundation, Germantown Ave. and Pastorius St., for J. R. Kendrick Co., Inc. $40,000.

O., Cleveland—GENERATING STATION—July 18, by Cleveland Electric Illuminating Co., c/o J. Wolf, engr., Illuminating Bldg., taking bids 1 story, 283 x 315 ft. and 41 x 312 ft., brick, steel and concrete, Avon Beach. $10,000,000. McClellan & Junkersfeld, 68 Trinity Pl., archt.

Wis., Beloit—FOUNDRY—Beloit Fdry. Co., 308 Gardner St., taking bids 1 story, 84 x 180 ft., brick and steel foundry. Private plans.

Wis., Milwaukee — FACTORY — July 20, by G. Zagel & Bro., archts., 144 Oneida St., 1 story and basement, 60 x 173 ft., brick and timber, Fratney St., for A. H. Peters, 1165 38th St. $45,000.

Calif., Los Angeles — FACTORY and STORE—R. Hale, 6619 Franklin Ave., taking bids on sub-contracts, 3 story, 98 x 156 ft., Class C, 301-09 East Pico St. $60,000. Miller & Hale, 5412 Santa Monica Blvd., engrs. Somervell & Putman, 905 Commercial Exch., archts.

BIDS RECEIVED

N. Y., Brooklyn—HOUSING STATION—Dept. Plants & Structures, Municipal Bldg., New York City, July 13, housing station on New York Ave. between Winthrop St. and Parkside Ave., here, from Hamilton Chambers Co., 29 Bway., New York City, $114,700.

N. Y., New York—HOUSING STATION—Dept. Plants & Structures, Municipal Bldg., housing station, at 56th St. west of 11th Ave., from Hamilton Chambers Co., 29 Bway., $43,780.

CONTRACTS AWARDED

Mass., Jefferson—MILL—Jefferson Co., 2 story, brick and timber mill, to Fiske Carter Constr. Co., 11 Foster St., Worcester. Archts. est. $50,000.

Mass., Malden (br. of Boston)—MILL—Cunningham Spice Co., Plymouth Rd., will build 3 story, 50 x 75 ft., rein.-con. and steel, rear of 172 Linden Ave., by day labor. $40,000. Private plans. Noted Mar. 26.

Mass., Malden (br. Boston)—FACTORY—Eastern Cast Stone Co., 9 Binney St., Cambridge, 1 story, 60 x 225 ft., brick and steel, plain foundation, Wastern Ave., to S. Spector, 24 York St., Dorchester. Archts. est. $50,000.

Mass., New Bedford—MILL—Manomet Mills, Belleville Ave., taking bids 2 story, 120 x 520 ft., brick and steel, plain foundation. $300,000. C. R. Makepeace & Co., Butler Exch. Bldg., Providence, R. I., engrs. and archts.

Conn., Hartford—REPAIR SHOP and GARAGE—Dept. State Police, 100 Washington St., 1 and 2 story, 55 x 145 ft., rein.-con., brick and steel, plain foundation, to S. C. Poriss Co., 104 Asylum St. Archts. est. $50,000. Noted July 9.

Conn., Waterbury — BOILER HOUSE, etc.—Connecticut Co., West Main St., 2 story and basement, 51 x 66 ft. boiler house, to Sullivan & McKeon, 937 Dixwell Ave., New Haven; 50 x 120 ft. office and operating building, to Clark Constr. Co., 168 Grand St.; bus storage addition, to Tracy Bros. Co., Grand St.; trolley express addition, to Pardy Constr. Co., 1481 Seaview Ave., Bridgeport, all brick and steel, West Main St., $150,000 or more.

N. Y., New York — HEADQUARTERS BUILDING — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., repairing headquarters building at East Bronx Pipe Yard, Sect. 1, masonry work, to G. A. Glantz, 409 Lexington Ave., $47,900; Sect. 2, iron fencing and paving, to Balbaban Gordon Co., 116 West 39th St., $5,000. Noted July 9.

Pa., Bloomsburg—MILLS—Magee Carpet Co., West 5th St., general contract Mills 8 and 9, 1 story, to H. A. Moore Co., Milton. Archts. est. $75,000.

Pa., Phila. — MANUFACTURING — L. Fein, c/o I. W. Levin, archt., 1011 Chestnut St., 6 story and basement, 73 x 106 ft., rein.-con. and brick, Franklin and Spring Garden Sts., to J. N. Gill Co., City Center Bldg. Archts. est. $100,000.

Pa., Phila.—MANUFACTURING—Philadelphia Bag Co., 86 Tasker St., 2 story and basement, 101 x 128 ft., rein.-con. and brick, plain foundation, Water and Dickson Sts., to W. R. Dougherty, 1608 Sansom St. Archts. est. $200,000. Noted June 25.

Pa., Pittsburgh—PLANT—Homeopathic Hospital, Center Ave., general contract 1 story and basement, 53 x 89 ft., concrete and brick, Center Ave. near Aikens Ave., to D. T. Riffle, 1006 Forbes St.

Del., Wilmington—MANUFACTURING—Pyrites Co., Ltd., Christiana Ave., 1 story, 100 x 235 ft., brick and tile, plain foundation, to Turner Constr. Co., 1713 Sansom St., Phila., Pa. Archts. est. $100,000.

O., Akron — HEATER ROOM — Osborn Eng. Co., 7016 Euclid Ave., 3 story and basement, 40 x 220 ft., brick, steel and concrete addition, to Moran Constr. Co., 413 Terminal Bldg., Cleveland, for General Tire & Rubber Co., 1708 East Market St. Archts. est. $150,000. Noted June 11.

O., Cleveland—PLANT—Central Publishing House, P. Wetzel, bus. mgr., 2969 West 25th St., 3 story and basement, 60 x 62 ft., brick and rein.-con. addition, to H. B. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $40,000. Noted June 11.

O., East Youngstown — Youngstown Sheet & Tube Co., W. J. Morris, treas., Wick Bldg., Youngstown, steel for 1 story seamless tube mill, to McClintick-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $1,000,000. Noted Mar. 5.

Ind., Ft. Wayne — PLANT — News-Sentinal Publishing Co., 3 story, brick, steel and concrete, to Bushing-Hagerman Co., Ft. Wayne. Archts. est. $350,000. Noted June 4.

Ill., Chicago—FACTORY—Wallace Bros. Waste Co., 1347 South Ashland Ave., 2 story and basement, 50 x 124 ft., cotton and wool factory, 3350 West 48th Pl., to E. W. Sproul Co., 2001 West Pershing Rd. Archts. est. $62,000.

Wis., Beloit — BOILER HOUSE — Beloit Water Gas & Electric Co., Public Service Bldg., 2 story, 40 x 63 ft., brick and concrete addition, to Adams Constr. Co., 217 Clarkson St., Chicago, Ill. Archts. est. $50,000. Noted June 25.

Wis., Marinette — SUB-STATION — Menominee & Marinette Light & Traction Co., Menominee, Mich., 2 story, 40 x 70 ft., brick and concrete, plain foundation, to F. W. Vecke, Menominee. Archts. est. $40,000. Noted May 14.

Wis., Merrill—PLANT—Page Milk Co., L. Gilkey, secy., 2 story, brick and timber plant, to C. G. Torkelson, Merrill. Archts. est. $150,000.

Wis., Milwaukee—LAUNDRY—Building Finance & Constr. Co., 631 Walnut St., will build 2 story and basement, 92 x 150 ft., brick and timber, plain foundation, West Side, by day labor. $150,000. Private plans.

Wis., Oshkosh — FACTORY — Oshkosh Auto Specialty Co., Forest Ave., 1 story, 50 x 146 ft., brick and concrete, plain foundation, to Fluor Bros. Constr. Co., 52 Otter St. Archts. est. $40,000.

Minn., St. Paul—PLANT—Ford Motor Co., Highland Park, Mich., general contract

Buildings—Industrial (Continued)

1 story gas reducing plant, rein.-con. and brick, near Federal Dam in Mississippi River, here, to G. H. Struchen, 405 Dakota Bldg., St. Paul, approximately $250,000.

Kan., Hutchinson — ROUND HOUSE — Atchison, Topeka & Santa Fe R.R. Co., Ry. Exch. Bldg., Chicago, Ill., general contract 1 story, 16 x 123 ft., 12 stall, rein.-con. roundhouse, here, to McKee Constr. Co., El Paso, Tex. Archts. est. $100,000. This corrects report in June 15 issue.

Mo., Kansas City — GARAGE — J. H. White, 13th and Grand Sts., general contract 2 story and basement, 116 x 149 ft., rein.-con., brick and steel, to M. S. Shinnick, Jenkins Bldg., Kansas City.

Mo., Kansas City—PLANT—Columbian Steel Tank Co., 1601 West 12th St., will build 4 story, 130 x 253 ft., rein.-con. and brick plant unit, by day labor. $500,000. A. M. Griffin, c/o owner, engr.

Mo., St. Louis — FOUNDRY — Busch Selzer Bros. Deisel Engine Co., 3300 South 2nd St., 1 story, 28 x 46 ft., rein.-con. and steel, South 2nd St., to Fruin-Colnon Constr. Co., Merchants Laclede Bldg., St. Louis. Engrs. est. $40,000.

Ont., Cochrane—PLANT—Abitibi Power & Paper Co., Iroquois Falls, extending power house to Fraser Brace Co., Ltd., 63 Craig St., Montreal, Que.; for 12,000 hp. vertical turbine, direct connected to 12,500 kva. generators, changing existing 12,500 kva. generators from 25 to 60 cycle, additional transformers, etc., to Dominion Eng. Co., Lochine, for hydro electric plant at Island Falls, near here; also 110,000 v. transmission line, with steel tower, 50 mi. from Hunta to Iroquois Falls, to Canadian Bridge Co., Walkerville. Engrs. total est. $2,000,000 to $2,500,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — STORE and APARTMENT—Manson Lumber Co., 103 Border St., East Boston, plans 2 or 3 story, brick, Border St. $150,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.) — WAREHOUSE—R. H. Stearns Co., 140 Tremont St., Boston, plans warehouse, Bway., $150,000 or more. Engineer and architect not selected.

Mass., Rosindale (Boston Sta.) — THEATRE—Rosindale Rialto Theatre, Inc., Rosindale Sq., plans reconstructing Gorman Theatre, 1 and 2 story, brick, Washington and South Sts. $150,000. Engineer and architect not selected.

Mass., Worcester — GARAGE — C. D. Parker & Co., 150 Congress St., Boston, having preliminary plans prepared by C. T. Main Co., 200 Devonshire St., Boston, 2 story, rein.-con. garage, Myrtle and Burnside Sts., here. $160,000. Y. D. Service, Inc., c/o owner, lessee.

Conn., Greenwich — HOSPITAL — St. Lukes Hospital, 113th St. and Amsterdam Ave., New York City, plans new hospital, on 200 acre site, King St. here. $1,000,000. Engineer and architect not selected.

Conn., Manchester — ARMORY — State Armory, State House, Hartford, had plans prepared by Payne & Keefe, Manwaring Bldg., New London, 3 story, brick and steel head house, with executive office and company rooms. $150,000.

Conn., Norwich—HOSPITAL—Norwich State Tuberculosis Hospital plans building additions, reservoir repairs and power house improvements. $226,700 appropriated.

N. Y., New York — APARTMENT — J. Weinstein, 817 West End Ave., having plans prepared by Gronenberg & Leuchtag, 450 4th Ave., 6 story apartment, 93rd St. and Columbus Ave.

N. Y., New York — APARTMENT, HOTEL and THEATRE—Lebanon Building Corp., c/o L. J. Linder, 67 Wall St., plans studio apartment hotel with roof garden and theatre, 244-254 West 52nd St. $1,500,000.

N. Y., New York — COURT HOUSE — City having plans prepared by M. Haushe, 3307 3rd Ave., and soon takes bids 2 story, 72 x 120 ft., brick, Roberts Ave. and Williamsbridge Rd. $350,000. Noted Apr. 3.

N. Y., New York—HOTEL—Seventeenth St. Corp., c/o G. F. Pelham, archt., 200 West 72nd St., having sketches made 15 story hotel, Amsterdam Ave. and 70th St. $1,250,000.

N. Y., New York—LOFT and OFFICE—Harriet Hubbard Ayer, c/o L. S. Dodge, 323 East 34th St. having preliminary plans prepared by H. C. Ingalls, 347 Madison Ave. loft, office and factory, 10th Ave. and 44th St.

N. Y., New York—LOFT and STORE—V. Mayper, archt., 15 East 40th St., making sketches, 17 story, store and loft, 48-54 East 34th St. Owner's name withheld.

N. Y., New York—STORE and LOFT—J. Silverman, 1547 Bway., having preliminary plans prepared 20 story, 75 x 100 ft. store and loft, 531-535 8th Ave. Engineer and architect not announced.

N. Y., New York—THEATRE and BUSINESS—Jerome Ave. Exhibition Co., Inc., c/o J. E. DeRosa, archt., 110 West 40th St., having sketches made theatre and business building, Jerome Ave. and 176th St.

N. J., Elizabeth—THEATRE—J. Fabian, 1148 East Jersey St., plans new theatre, East Jersey St. $200,000. Engineer and architect not selected.

N. J., New Brunswick—APARTMENT—J. A. O'Connell, 417 George St., having plans prepared by L. Sweezy, Bible House, New York City, 6 story, 115 x 115 ft., Livingston Ave. and Townsend St. $300,000.

N. J., Trenton—HOME—Most Worshipful United Lodge of Ancient and Honorable Masons, P. K. Martin, grand master, 515 Federal St., Camden, plans home here. $150,000. Engineer and architect not selected.

Ga., Valdosta—HOTEL—D. C. Ashley Estate, c/o W. T. Lane, Jr., 1422 Peachtree St., having preliminary plans prepared 10 story and basement, 150 room hotel. $500,000.

Fla., DeFuniak Springs — COURT HOUSE—Walton Co., W. I. Stinson, chn. Bd. plans court house. $150,000.

Fla., Tampa — HOTEL — Tribune Publishing Co., W. F. Stovell, pres., having plans prepared by B. C. Bontocy, 12 Petteway Bldg., 10 story, 105 x 130 ft., Jackson and Pierce Sts. $1,500,000.

Ala., Bessemer—CITY HALL, etc.—City having plans prepared by DenLam, Van Keuren & DenLam, Jefferson City Bank Bldg., Birmingham, 3 or 4 story and basement, city hall and fire department. $150,000-$200,000.

Miss., Columbus—Y. M. C. A., c/o S. W. Dean, International Building Bureau, 347 Madison Ave., New York City, having preliminary plans prepared rein.-con. and brick building, here. $250,000. Private plans.

Miss., Jackson—STORE—Emporium Department Store will not construct 5 tory, 82 x 125 ft. department store. Project abandoned. Noted June 11.

La., New Orleans — APARTMENT — Syndicate composed of J. W. Billingsley, consult. engr., Interstate Bank Bldg., and M. Eiseman, realtor, 819 Union St et al, having plans prepared by H. L. Burton, 318 Carondelet St., apartment, St. Charles and St. Mary Sts. $250,000.

Tenn., Memphis—ELKS HOME—B. P. O. E., Jefferson St., having plans prepared by Mahan & Broadwell, German Bank Bldg., 12 story ultimately 14 story, 75 x 148 ft., fireproof, incl. swimming pool, gymnasium, etc. $750,000. Noted Sept. 25.

O., Cleveland — COMMERCIAL APARTMENT and GARAGE—Euclid-Ford Co., M. W. Bruml, pres., Guardian Bldg., having plans prepared by M. Weis, 617 Union Bldg., 5 story, 150 x 210 ft., brick, steel and concrete, Euclid Ave. near Cornell Rd. $300,000.

O., Columbus — THEATRES — James Theatre Enterprises, 39 West Broad St., having plans prepared by C. H. Crane, 542 Griswold St., Detroit, Mich., 2 story and basement, 120 x 168 ft., brick, steel and terra cotta, Parsons and Reinhard Sts. $350,000; also 1 story and basement, 111½ x 150 ft., East Main St., $300,000.

O., Dayton—BANK and OFFICE—Dayton Savings Bank & Trust Co., W. R. Craven, pres., having plans prepared by Hermann & Brown, Reibold Bldg., 5 and 9 story, 25 x 175 ft., brick, steel and concrete additions. $400,000. Lewis & Warren, 1001 Realty Bldg., Louisville, Ky., mechanical engrs.

Ind., Indianapolis—APARTMENT—T. B. Brydon, 124 South Bolton St., having plans prepared by A. Fleck, 143 East Ohio St., 3 story and basement, brick and timber, concrete pile foundation, Washington St. $150,000.

Ind., Indianapolis—CLUB—Indianapolis Propylaeum Assn. having plans prepared by H. Foltz, Wild Bank Bldg., 3 story and basement, rein.-con. and brick, Delaware St. $150,000.

Ind., Indianapolis — NURSES HOME — St. Vincents Hospital, Fall Creek Blvd. and Capitol Ave., having plans prepared by D. A. Bohlen & Son, Majestic Bldg., 5 story and basement, brick, steel and concrete, Illinois St. $175,000.

Ind., Indianapolis — OFFICE — Chamber of Commerce, having plans prepared by R. F. Dagget, Continental Bldg., 10 story and basement, 85 x 195 ft., rein.-con. and brick, concrete pile foundation, Meridian St. $1,500,000.

Ind., Indianapolis — THEATRE — G. A. Reed, 4170 Winthrop Ave., plans 2 story and basement, 80 x 160 ft., rein.-con. and steel theatre. $175,000. Ostrom Realty Co., Peoples Bank, archts.

Ind., Muncie — HOSPITAL — Ball Bros., Muncie, having plans prepared by Cuno Kibele, 118 East Adams St., probably 5 story and basement, rein.-con. and brick hospital. $1,000,000.

Ind., South Bend — Y. M. C. A. having plans prepared by Austin & Shambleu, 111 North Lafayette St. 4 story and basement, brick, steel and concrete, concrete pile foundation. $200,000.

Ind., Vincennes — ORPHANAGE — St. Francis Orphanage having plans prepared by Shopbell, Fowler & Thole, Evansville, 3 story and basement, brick orphanage. $300,000.

Ill., Belleville — COURT HOUSE — St. Clair Co. making preliminary plans 3 story, brick and concrete court house annex. $250,000 or more, or 4 story addition to existing building $50,000.

Ill., Chicago—THEATRE and OFFICE — G. M. Cohan, 1840 Bway., New York City, having plans prepared by Rebori, Wentworth & Dewey, Inc., 332 South Michigan Ave., 6 story, 100 x 142 ft., 1,200 seating capacity, steel, 119 North Clark St.

Ill., Decatur—TEMPLE—Decatur Masonic Temple Assn., L. A. Mills, pres., 1057 Lincoln Ave., having preliminary plans prepared rein.-con., brick and stone masonic temple. $500,000.

Ill., Springfield — OFFICE, etc. — State Building Comn., Springfield, appropriated $700,000, for 5 or 7 story and basement office building addition to Centennial Bldg. and $450,000 for various other buildings on State Fair Grounds. State Architect, Springfield, archt. Engineer not selected.

Wis., Milwaukee — APARTMENT and BUSINESS—Miller Investment Co., 216 West Water St., plans 2 story and basement, brick and tile, Lake Bluff Blvd. $150,000. Engineer and architect not selected.

Wis., Milwaukee — HOME — Milwaukee Protestant Home for Aged, 503 Downer Ave., had revised plans prepared by Scott & Mayer, 214 Mason St., 4 story and basement, 32 x 40 ft., and 42 x 132 ft., brick and concrete addition, plain foundation, Downer Ave. $200,000. Noted Oct. 23.

Wis., Milwaukee — THEATRE and BUSINESS—Siebert & Kegler, archts., 230 Grand Ave., preparing preliminary plans 2 story and basement, 100 x 150 ft., rein.-con. and brick, plain foundation. $250,000. Owner's name withheld.

Wis., Milwaukee—THEATRE—J. H. Silliman, 571 Downer Ave., having revised plans prepared by M. Tullgren & Sons, 425 East Water St., and soon takes bids 2 story, 100 x 200 ft., concrete, terra cotta and brick, plain foundation, Teutonia Ave. $150,000. Noted Mar. 19.

Wis., Sheboygan—APARTMENT—J. F. Enz, 608 North 8th St., having plans prepared by Leenhouts & Guthrie, 424 Jefferson St., Milwaukee, 3 story and basement, 62 x 130 ft., rein.-con. and brick, plain foundation, Ontario Ave. $150,000.

Ia., Des Moines—DORMITORY—Drake University, 25th and University Sts., A. Holmes, pres., having pheliminary plans prepared Girls Dormitory, 3 story, 250 room, rein.-con., brick and stone.

Minn., Minneapolis—DORMITORY—University of Minnesota, F. B. Snyder, pres. Bd. Regents, plans 3 story and basement womens dormitory, rein.-con., brick and stone. $500,000. C. H. Johnston, 715 Capitol Bank Bldg., St. Paul, archt.

Kan., Goodland—COURT HOUSE—Sherman Co., c/o C. W. Jupe, clk., plans new court house. Election soon $300,000 bonds for same.

Kan., Topeka—FIRE STATIONS—City, c/o W. A. Stanfield, comr. Water & Light, making preliminary plans 3 fire stations. $200,000. This corrects report in June 11 issue.

Kan., Wichita — OFFICE and WAREHOUSE — Grant-Billingsley Produce Co., 123 North Rock Island, will not construct 6 story and basement, 107 x 140 ft. office and warehouse. This corrects report in June 25 issue.

Mo., Kansas City—HOTEL—R. Peltzman, 801 East 30th St., plans hotel, 12th St. $250,000.

Mo., Kansas City—HOTEL, THEATRE, etc.—W. C. Gumm, 504 West 75th St., having plans prepared by H. A. Drake, 315 Reliance Bldg., 14 story and basement, 180 x 305 ft., brick and terra cotta hotel, theatre, office and store building, Linwood Blvd., Troost and Forest Aves. $2,500,000.

Mo., Kansas City — OFFICE and THEATRE—E. J. Willet, 3619 Bway. had plans prepared by R. Gornall, 3619 Bway., 12 story and basement, 76 x 160 ft., brick, rein.-con. and terra cotta office and theatre building. $1,500,000.

Mo., St. Louis — ADMINISTRATION — City soon takes bids 2 story and basement, rein.-con., brick and stone, Arsenal St., for Isolation Hospital. $286,000. L. R. Bowen, 301 City Hall, archt. H. Updike, 301 City Hall, engr.

Buildings—Commercial (Continued)

Tex., Abilene — CITY HALL and FIRE STATION — Election soon $250,000 bonds for city hall and fire station. C. E. Coombs, mayor. Noted Mar. 2.

Tex., Beaumont—THEATRE—Jefferson Amusement Co. soon takes bids 80 x 150 ft., rein.-con., brick, steel and terra cotta theatre, 2,000 seating capacity. $500,000. E. Weil, 3607 St. Charles St., New Orleans, La., archt. Noted July 2.

Tex., Houston—OFFICE—N. Esperson Estate, c/o N. Esperson, 1611 2nd Natl. Bank Bldg., takes bids about Aug. 1, 26 story and tower, 151 x 155 ft., rein.-con., brick, steel, stone and terra cotta, Travis St. and Rush Ave. $2,000,000. J. Eberson, 212 East Superior St., Chicago, Ill., archt. Noted Mar. 12.

Tex., Houston—THEATRE—Main Realty Co., c/o Kelwood Co., archts., Travis Bldg., San Antonio, takes bids about July 25, 115 x 150 ft., rein.-con., brick, steel and stone, Main St. and McKinney Ave. $400,000. W. E. Simpson Co., Natl. Bank of Commerce Bldg., San Antonio, structural engr.

Tex., Ft. Worth—BUSINESS—Van Zandt Jarvis, Jarvis Heights, Ft. Worth, and Southland Life Bldg., Dallas, having plans prepared by W. G. Clarkson & Co., 606 1st Natl. Bank Bldg., 3 story (ultimately 10 story) and basement, rein.-con., brick, steel and stone business building. $300,000. F. W. Woolworth & Co., c/o C. C. Foster, dist. mgr., 2218 Fairmont St., lessee.

Tex., Ft. Worth — EXCHANGE — Fort Worth Grain & Cotton Exch., c/o E. B. Wooten, secy., Neil P. Anderson Bldg., plans 79 x 152 ft., rein.-con., brick, stone and steel, 10th and Lamar Sts. $750,000. Engineer and architect not selected.

Okla., Oklahoma City—OFFICE—W. T. Hales, 1st Natl. Bank Bldg., having preliminary plans prepared 6 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Grand and Harvey Sts., $250,000. Engineer and architect not selected.

Wash., Seattle—APARTMENT HOTEL —Lawton & Moldenhour, archts., Alaska Bldg., takes bids about Aug. 19, 12 story and basement, 120 x 120 ft., rein.-con., 9th and Pine Sts., for L. N. Rosenbaum Estate, c/o architects. $400,000.

Calif., Alhambra—LODGE, OFFICE, etc. —Temple Estate Co., c/o Walker & Eisen, archts., 756 South Spring St., Los Angeles, had preliminary plans prepared 5 story and basement, 100 x 150 ft., Main and 3rd Sts. $500,000.

Calif., Bakersfield—OFFICE and STORE —F. A. Hamlin, et al., plans 5 to 6 story and basement, fireproof, 17th and Chester Sts. $350,000. Engineer and architect not selected.

Calif., Exeter — HOTEL — Community Hotel Corp. of Exeter, c/o W. H. Weeks, archt., 369 Pine St., San Francisco, plans 2 and 3 story, rein.-con. and brick hotel. $175,000.

Calif., Los Angeles — HOTEL — F. N. Dlouhy, archt., 1209 Pershing Sq. Bldg., preparing preliminary plans 13 story and basement, 70 x 180 ft., Class A, Boylson, Beaudry, and 5th Sts., $800,000. Owner's name withheld.

Calif., Los Angeles — HOTEL and APARTMENT—H. F. Eaton, having plans prepared by L. A. Smith, 3rd St. and Webster Ave., 4 story and basement, 50 x 150 ft., Grand Ave. between 3rd and 4th Sts. To exceed $150,000.

Calif., Los Angeles—OFFICE and STORE —Union Automobile Insurance Co., Lane Mortgage Bldg., soon takes bids 6 story and basement, 182 x 217 ft. S. W. corner, 6th and Loomis Sts. $400,000. Walker & Eisen, 756 South Spring St., archts. Noted June 11.

Calif., Los Angeles—STUDIO and STORE —Musicians Mutual Protective Ass'n. c/o Young & Mortimer Co., archts., 818 Chapman Bldg., having plans prepared 5 story and basement, rein.-con. Jones near Eddy Georgia St.

Calif., Los Angeles — WAREHOUSE — E. Frost & Co., c/o C. E. Finkenbinder, 707 Story Bldg., archt. having plans prepared 4 story, 165 x 273 ft. storage warehouse, 1824 East 15th St. $250,000.

Calif., Oakland—HOTEL—Boulevard Hotel Co., c/o J. L. Stewart, 703 Market St., San Francisco, archt., having preliminary plans prepared 14 story and basement, 423 rooms, fireproof, San Pablo Ave. between Market and 28th Sts. $2,000,000.

Calif., Santa Barbara — HOTEL — A. L. Richmond, Arlington Hotel, plans rebuilding fireproof hotel, recently destroyed by earthquake. $2,500,000.

Calif., San Jose — THEATRE — West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, having plans prepared by Weeks & Day, 315 Montgomery St., San Francisco, Class A theatre, 1,200 to 1,500 seating capacity, 1st St. $200,000. Noted Mar. 12.

Ont., Toronto—OFFICE—Yolles & Rotenberg, 85 Richmond St. W., having plans prepared by Chapman & Oxley, Harbor Bldg., 12 story and basement, 60 x 80 ft., rein.-con. or steel, plain foundation, Bay and Temperance Sts. $500,000.

Ont., Toronto—OFFICE—York Twp., 40 Jarvis St., plans probably 3 story, rein.-con., brick and stone, outside city. $150,000. Architect not selected. F. B. Goedike, twp. engr.

BIDS DESIRED

Me., Sanford—STORE—Green Bros., c/o Krokyn & Browne, archts., 220 Devonshire St., Boston, taking bids 2 story and basement, 100 x 104 ft., brick store building. $150,000.

N. H., Littleton — THEATRE — H. B. Eames taking bids 2 story, 60 x 125 ft., rein.-con. and steel theatre, plain foundation. $150,000. Haynes & Mason, 280 Main St., Fitchburg, archts.

Mass., Boston — APARTMENT — Klsyth Realty Trust, Carlin & Cherney, trustees, 115 Brighton St., will build 10 story and basement, brick, cast iron and steel, plain foundation, 250 Beacon St. Work will be done by separate contracts. Noted July 9.

Mass., Boston—GARAGE—J. M. Howe, et al., 10 State St., taking bids 6 story, 140 x 180 ft., rein.-con., brick and steel, plain foundation, Cambridge and Green Sts. $1,500,000. R. H. Doane, 162 Newbury St., archt. former bids rejected. Noted Mar. 19.

R. I., Woonsocket—STORE—Kane Furniture Co., 86 North Main St., taking bids 4 story and basement, 60 x 150 ft., brick and steel, Main and Church Sts. $175,000. A. J. Smith, 142 Lunenburg St., Fitchburg, Mass., archt. Noted Mar. 19.

R. I., Woonsocket — STORE and THEATRE—Stadium Realty Corp., A. I. Darman, pres., taking bids 2 story and basement, 125 x 145 ft., brick and steel, plain foundation, Monument Sq. $350,000. Perry & Whipple, Hospital Trust Bldg., Providence, archts.

Conn., Manchester—TOWN HALL—July 15, by Bd. Town Selectmen, 2 story, rein.-con., brick and timber town hall. $200,000. F. C. Farley, 333 4th Ave., New York City, archt.

Conn., New Haven—GARAGE, SERVICE and SHOWROOM—E. M. Jennings Co., 347 Crown St., soon lets contract 1 story, 100 x 280 ft. brick and stone, Whalley Ave. $100,000-$150,000. Norton & Townsend, 839 Chapel St., archts.

Conn., Willimantic—HOTEL—July 20, by Community Hotel Corp., W. P. Jordon, 228 North St., brick and steel, Main St. $350,000. G. B. Post & Son, 101 Park Ave., New York City, archt. Noted May 14.

Pa., Creighton—OFFICE, etc.—July 18th, by Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, 4 story and basement, brick and steel, office and laboratory buildings, here. $150,000. Private plans.

Pa., Phila. — ADMINISTRATION — July 17, by J. Molitor, city archt., Bankers Trust Bldg., 1 story and basement, 40 x 200 ft., 25 x 42 ft., stucco and steel, South Broad St., Moyamening and Oregon Aves., for Sesqui International Exposition, Bellevue and Stratford Sts.

Pa., Phila. — APARTMENT — Stetler & Deysher, archts., Jefferson Bldg., soon lets contract 8 story and basement, 107 x 234 ft., brick and steel, plain foundation, 47th and Walnut Sts., for Kenin & Shapiro, Inc., 5850 Market St. $1,500,000.

Pa., Phila. — WAREHOUSE, etc. — July 25, by Webber & Wurster, archts., 1530 Locust St., 1 and 2 story and basement, 81 x 282 ft., brick and steel show room, warehouse and garage, plain foundation; 6th St. and Roosevelt Blvd., for Wright & Wright, Inc., 2215 North Broad St.

Pa., Pittsburgh—STORAGE—H. J. Heinz Co., 1062 Progress St., N. S., and R. M. Trimble, archt., Ferguson Bldg., soon lets contract 4 story and basement, rein-con., brick and steel, River Ave. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — F. S. Jones, Guardian bldg., taking bids 3 story and basement, 75 x 105 ft., brick and timber, Hough Ave. and Crawford Rd. $150,000. J. Kalsch, 4500 Euclid Ave., archt.

O., East Cleveland (Cleveland P. O.)—GARAGE — A. Green, 8914 Yale Ave., Cleveland, taking bids 1 story, 100 x 140 ft., brick, steel and concrete, Elderwood St. $150,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt.

O., East Cleveland (Cleveland P. O.)—STORES and APARTMENT — L. Kurz, Swetland Bldg., Cleveland, taking bids 4 story and basement, brick and steel, Strathmore and Euclid Aves. $250,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt.

Mich., Detroit—GARAGE—C. H. Acraine, archt., 542 Griswold St., taking bids 4 story, 100 x 100 ft., rein.-con. and brick, plain foundation, Woodward Ave., for C. Nederlanger, 11 Campus Martius. $150,000.

Mich., Jackson—OFFICE—July 18, by A. Kahn, archt., 1000 Marquette Bldg., Detroit, 14 story and basement, 75 x 110 ft., rein.-con., brick and steel, plain foundation, Michigan Ave., here, for W. R. Reynolds Co., Jackson.

Ill., Chicago — HOTEL — Oman & Lilenthol, engrs. and archts., 64 West Randolph St., taking bids 15 story and basement, 50 x 100 ft., rein.-con., brick and terra cotta, Ontario and St. Clair Sts., for Hotel Eastgate Building Corp., c/o architects. $1,000,000.

Wis., Eau Claire—WAREHOUSE—E. J. Hancock, Archt., Lacock Bldg., soon lets contract 3 story and basement, 80 x 100 ft., concrete and brick, for Eau Claire Coffee Co., 121 South River St. $75,000.

Wis., Milwaukee — APARTMENT — July 20, by A. Kenney, archt., c/o owner, 2 story and basement, 92 x 180 ft., brick and tile, plain foundation, Prospect Ave., for I. H. Benesch Co., 513 Van Buren St. $200,000.

Wis., Milwaukee — HOTEL — Leiser & Holst, archts., 105 Wells St., taking bids and open same about July 20, 3 story and basement, 75 x 145 ft., brick and tile, plain foundation. 6th St. $150,000. Owner's name withheld.

Wis., Waukesha—BATH HOUSES—July 27, by Van Ryn & De Gelleke, archts., 114 Grand Ave., Milwaukee, 3 story and basement, 20 x 52 ft., and 55 x 140 ft., brick and concrete addition to Moor Bath Hotel and Sanitorium, plain foundation, here, for Waukesha, Moor Baths Co., Prospect Ave. $150,000.

Okla., Tecumseh—COURT HOUSE and JAIL—July 28, by Clerk Pottawatomie Co., 3 story and basement, 80 x 110 ft. courthouse with 41 x 60 ft. jail above courtroom, concrete, brick and stone. A. C. Davis & Son, 430 North Bway., Shawnee, archts. Noted Dec. 25.

Calif., San Diego—EXCHANGE—Southern California Telephone Co., taking bids 3 story and basement, 100 x 100 ft., brick and terra cotta, San Diego St. $250,000. J. and D. B. Parkinson, 420 Title Insurance Bldg., Los Angeles, archts. Noted Dec. 25, 1924.

BIDS RECEIVED

N. J., Trenton Junction (Trenton P. O.) —DORMITORIES—State Bd. Educ., Trenton, July 6, general contract girls dormitory State School for Deaf, here, from General Contg. & Constr. Co., 117 Emory Ave., Trenton, $120,000; boys dormitory, from T. M. Day & Son, Hunt Bldg., Trenton, $14,397; alterations to superintendents home, from W. C. Ehret, Trenton Trust Bldg., Trenton, $13,856.

D. C., Wash. — HOSPITAL — Sibley Memorial Hospital, 1120 N. Capitol St., hospital addition, from C. H. Tompkins Co., Inc., 1612 Park Rd. $250,000.

CONTRACTS AWARDED

N. H., Manchester — APARTMENT — L. Scidel, c/o W. E. Provost, archt., 1061 Elm St., 3 story and basement, 90 x 100 ft. brick and timber, to Gamache Constr. Co., Manchester. Archts. est. $150,000. Noted Mar. 26.

Mass., Boston—COURT HOUSE—Dept. Pub. Buildings, 1 story and basement, 80 x 200 ft., granite and limestone, Chestnut Hill Ave. and Academy Hill Rd., to T. O'Connor Co., 218 Main St., Cambridge, $214,823. Archt. est. $225,000. Noted July 9.

Mass., Boston—NURSES HOME—Beth Israel Hospital, 45 Townsend St., Roxbury, 4 story and basement, 40 x 127 ft., with 37 x 40 ft. wing, brick and stone, Brookline and Longwood Aves., here, to C. A. Dodge, Erie and Albany Sts., Cambridge. Noted June 25.

Mass., Cambridge (Boston P. O.)—ELKS HOME—Cambridge Lodge of Elks, c/o D. R. Doyle, 4 story and basement, 60 x 100 ft., brick, plain foundation, Green St., to Askin & Sullivan, Central Sq., Cambridge. Archts. est. $150,000. Noted Apr. 23.

Mass., Cambridge (Boston P. O.) — STORE and WAREHOUSE—G. E. Preble, 485 Massachusetts Ave., 3 story and basement, 60 x 90 ft., brick, 798 Massachusetts Ave., to Crane Constr. Co., 80 Boylston St., Boston. Archts. est. $150,000.

Buildings—Commercial (Continued)

Mass., Dedham—LODGE and STORE—Dedham Council Knight of Columbus, 2 story and basement, brick, High and Washington Sts., to J. F. Fitzgerald Constr. Co., 294 Washington St., Boston. Archts. est. $150,000.

Mass., Holyoke—APARTMENT—J. J. Cavanaugh, 137 Pine St., 4 story and basement, 60 x 120 ft., brick, to G. C. Martineau & Son, 1028 Dwight St. Archts. est. $160,000.

Mass., Pittsfield—STORE—England Bros. Dept. Store, 184 North St., altering and constructing 3 story and basement, 40 x 150 ft., brick and hollow tile addition, to J. R. Hampson & Co., Inc., 184 North St., Pittsfield. Archts. est. $150,000. Noted May 21.

Conn., New Haven — APARTMENT — Vernoff & Richman, Elm St., will build 3 story, 85 x 115 ft., brick and steel, Norton St., by day labor. $200,000. C. H. Abramowitz, 42 Church St., archt.

N. Y., Brooklyn—BANK—First Natl. Bank, Bway. and Boerum Sts., general contract 3 story, 33 x 91 ft., brick, steel and stone, plain foundation, 176 Montague St., to J. Auer & Son, 648 Lexington Ave. Archts. est. $150,000. Noted June 4.

N. Y., Brooklyn—HOSPITAL—Caledonia Hospital, Woodruff Ave., 5 story and basement, brick and stone addition, plain foundation Parkside Ave. and St. Paul Pl., to William Kennedy Constr. Co., 215 Montague St. $400,000. Noted Apr. 30.

N. Y., New York—BANK and OFFICE—M. M. Natenson, 522 5th Ave., 30 story, brick, steel and stone, plain foundation, West 44th St. and 5th Ave., to G. Richard Davis, 30 East 42nd St. Archts. est. $4,000,000. Noted June 18.

N. Y., Troy—HOTEL—Community Hotel Corp., general contract 8 story, rein.-con., plain foundation, Bway., to E. F. Carlson Co., 244 Main St., Springfield, Mass., $467,022; plumbing, heating, etc., to J. J. Horan, 215 River St., $95,650. Noted June 25.

Pa., Phila.—APARTMENT—S. Schlosberg, 5446 Locust St., will build 4 story and basement, 75 x 150 ft., brick and steel, plain foundation, 43rd and Spruce Sts., by day labor. $400,000. Stetler & Deysher, Jefferson Bldg., archt.

Pa., Phila. — APARTMENT — Walnut Constr. Co., 48th and Walnut Sts., will build 4 story and basement, 130 x 200 ft., brick and steel, plain foundation, 48th and Locust Sts., by day labor. $800,000. Stetler & Deysher, Jefferson Bldg., archts. Noted Dec. 11.

Pa., Phila. — WAREHOUSE — Industrial Realty Corp., c/o Ballinger Co., archts., 12th and Chestnut Sts., 4 story and basement, 99 x 276 ft., rein.-con. and brick, plain foundation, Front and Venango Sts to Barclay White Co., 1713 Sansom St. Archts. est. $250,000.

Pa., Pittsburgh—DRUG HOUSE—W. J. Gilmore Drug Co., 430 7th St., general contract 6 story and basement, 100 x 160 ft. wholesale drug house, Blvd. of Allies, to W. T. Grange Constr. Co., Keinan Bldg. Archts. est. $300,000.

Pa., York—OFFICE and STORE—M. N. Harris, York, 5 story and basement, 40 x 150 ft., brick and steel, plain foundation, to S. F. Gladfelter, York. Archts. est. $175,000.

Ala., Huntsville — HOSPITAL — City, general contract 2 story, 150 x 200 ft. hospital, to A. Blair, 11 South Lawrence St., Montgomery, $121,276. Noted June 11.

O., Cleveland — APARTMENT — M. Narosny, 1083 Lakeview Rd., 3 story and basement, 41 x 225 ft., brick and timber, 1560 Ansel Rd., to S. Grafchick, 3418 East 142nd St. Archts. est. $250,000.

O., Cleveland — THEATRE — P. Gusdonovic, Film Exch. Bldg., 1 story and basement, 73 x 136 ft., brick, steel and concrete, Lorain Ave., to A. Krinsky, 9805 Adams Ave. Archts. est. $150,000.

Ill., Chicago — OFFICE, etc. — Riverside Plaza Corp., 19th floor London Guarantee & Accident Bldg., general contract Jewelers Building, 40 story, 140 x 160 ft., Indiana limestone, terra cotta and steel, caisson foundation, incl. garage with 572 automobile capacity, etc., to Starrett & Dikks, Burnham Bldg., on fee basis. Archts. est. $7,000,000.

Kan., Dodge City—HOSPITAL—Sisters of St. Joseph general contract 2 and 3 story, 46 x 144 ft., and 33 x 39 ft., rein.-con., brick and stone hospital, to Ellis & Singleton, Wichita, $126,500. Noted June 18.

Mo., St. Louis — APARTMENT — J. T. Craven, Century Bldg., 7 story and basement, 100 x 192 ft., rein.-con. and brick, 4535 Lindell Blvd., to Boaz-Kiel Constr. Co., Chouteau Trust Bldg., St. Louis. Engrs. est. $500,000.

Mo., St. Louis—STORE—Wrought Iron Range Co., 5661 Natural Bridge Ave., 2 story and basement, 137 x 376 ft., rein.-con. and brick, Washington Ave., to Murch Bros. Constr. Co., Railway Exch. Bldg., St. Louis. Archts. est. $150,000.

Tex., Hillsboro—HOTEL—T. A. Johnson, 4 story and part basement, 51 x 111 ft. hotel, and 1 story, 36 x 41 ft. apartment annex, rein.-con., brick and stone, to Walker Constr. Co., Builders Exch. Bldg., San Antonio, approximately $150,000. Noted June 18.

Tex., San Antonio — THEATER and OFFICE—D. and A. Oppenheimer, et al., general contract 8 story and basement, 90 x 120 ft., rein.-con., brick and stone, plain foundation, St. Marys and Commerce Sts., to L. T. Wright & Co., City Natl. Bank Bldg., $401,305; plumbing, heating, refrigerating and ventilating, to Jud & Ormand, 704 St. Marys St., $72,947; electrical work, to M. Wright, 246 Sandoval St., $45,674.

Wash., Seattle — APARTMENT — Union Impvt. Co., Leary Bldg., 3 story and basement, 100 x 100 ft., 606 East Union St., to J. A. Lorentz, 2018 Taylor Ave., $155,000.

Wash., Seattle — STORE — H. Bittman, archt., Securities Bldg., 2 story (ultimately 10 story), and basement, 108 x 120 ft., fireproof, terra cotta, 4th and Stewart Sts., to West Coast Constr. Co., Seaboard Bldg., for Tyee Investment Co., Securities Bldg. $158,000. Noted May 21.

Calif., Alameda—WAREHOUSE—Alaska Packers Assn., 11 California St., San Francisco, 1 story, concrete and corrugated iron, Encinal and Terminal Sts., to R. W. Littlefield, 354 Hobart St., Oakland, $71,320.

Calif., Los Angeles — APARTMENT — Seventh-Mariposa Impvt. Co., c/o L. A. Smith, archts., Lily-Fletcher Bldg., will build 4 story and basement, 50 x 160 ft., brick, 7th and Mariposa Ave., by day labor. $150,000.

Calif., Los Angeles — APARTMENT — Tifal & O'Conner (owners, engrs., archts. and contractors), 520 Chamber of Commerce Bldg., will build 11 story and basement, 91 x 136 ft., 5th and Normandie Sts. $1,200,000.

Calif., Los Angeles—GARAGE—C. C. Hazelton, 3 story, 80 x 196 ft. garage, Cahuenga Ave. near Hollywood Blvd., to Cantell & Spencer, 6406½ Sunset Blvd., approximately $150,000.

Calif., Los Angeles — HOTEL — W. H. Anderson, 17 story, 74 x 207 ft., rein.-con., 1st and Hill Sts., to Kinne & Westerhouse, 6533 Hollywood Blvd., $700,000.

Calif., Los Angeles—HOTEL, etc.—H. N. Dickerman, c/o Sedgley & Putnam, archts., 1547 North Western Ave., will build 4 story and basement, brick, Shatto Pl., by day labor. $150,000.

Calif., Los Angeles — HOTEL and STORE—A. F. Shaw, 1608 Wilcox Ave., 4 story and basement, 48 x 136 ft., rein.-con. Wilcox Ave., to F. R. Johnson, 1712 Micheltorena Ave., $155,320.

Calif., Los Angeles—HOTEL and STORE—Eighth-Rampart Holding Co., 4 story, 105 x 155 ft., brick and steel, 8th and Rampart Sts. to F. Rasche, 5652 Hollywood Blvd., $215,000.

Calif., Pasadena—APARTMENT—Union Constr. Co., (owners and contractors) Bartlett Bldg., Los Angeles, will build 4 story and basement, brick and concrete, Mentor St. and Colorado Blvd. $160,000.

Calif., San Francisco — CLUB — San Francisco Woman's Club, c/o Bliss & Faville, archts., Balboa Bldg., 12 story and basement, rein.-con. and steel club, incl. swimming pool, Mason and Sutter Sts., to R. McLeran & Co., Hearst Bldg., San Francisco, $1,250,000.

Calif., San Francisco—OFFICES—Hartford Fire Insurance Co., 438 California St. offices, etc., California near Stockton Sts. to Dinwiddie Constr. Co., Crocker Bldg., San Francisco. Engrs. est. to exceed $450,000.

Calif., Santa Monica — APARTMENT HOTEL — Shoreham Hotel Co., 124 San Vicente Blvd., general contract, 11 story and basement, 150 x 362 ft. 319 Ocean Ave., to Trewhitt Shields, 801 Edwards & Wildey Bldg., Los Angeles, $1,500,000. Noted Dec. 13, 1923.

Calif., Ventura—HOTEL—Berg Investment Co., 5 story and basement, 150 x 150 ft., steel and timber, to W. Bell, 845 East Washington St., Pasadena, $167,500. Noted May 21.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Arlington—CHURCH—St. John's Episcopal Parish, Academy and Maple Sts., plans 1 story and basement, Pleasant and Lombard Sts. $150,000 or more. Engineer and architect not selected.

Mass., Berkley (mail Taunton) — SCHOOL—Town, N. Strange, chn. Building Com., plans 2 story, brick school. $150,000. Engineer and architect not selected.

Mass., Boston — SCHOOL — Bd. Educ. having plans prepared by J. M. Gray, archt., 175 High St., and Walker, Walker & Kingsbury, associated archts., 120 Boylston St., 2 story, brick, West End Dist. $400,000 appropriated.

Mass., Fall River—SCHOOL—Bd. Aldermen plans new Junior High School, 2 story, Watuppa Reservation and Ledge St. To exceed $150,000. Engineer and architect not selected.

R. I., Cranston—HIGH SCHOOL—City, School Building Com., having plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, 2 story and basement, brick school. To exceed $150,000.

Conn., Westport—SCHOOL—Town soon takes bids 2 story and basement, brick and steel school. $200,000. W. B. Tubby, 81 Fulton St., New York City, N. Y., archt.

N. J., Phillipsburg—HIGH SCHOOL—Bd. Educ. plans new high school. $470,000. Engineer and architect not selected.

Pa., Carrick (Pittsburgh, P. O.) — SCHOOL — St. Georges Roman Catholic Congregation, 825 Climax St., having plans prepared by C. G. Strong, Keystone Bldg., Pittsburgh, 3 story and basement, 107 x 124 ft., brick and steel, Climax St. $150,000.

Pa., Phila.—CHURCH—First Christian Church, 10th St. and Roosevelt Blvd., plans church. R. B. Bencker, Bellevue Court Bldg., archt.

Pa., Pittsburgh — ACADEMY—Academy of Our Lady of Mercy, 3333 5th Ave., having plans prepared by C. G. Strong, Keystone Bldg., 2 and 3 story and basement, brick and steel, 5th Ave. $500,000.

Pa., Pittsburgh—HIGH SCHOOLS—Bd. Educ., Fulton Bldg., having plans prepared by R. M. Trimble, Ferguson Bldg., and soon takes bids junior section, Taylor Alderdice Senior and Junior High School, 2 and 3 story and basement, Shady, Forward, Tilbury and Nicholson Sts. $2,404,750.

O., Ashtabula — SCHOOL — Bd. Educ. having plans prepared by F. C. Warner & W. R. McCornack, Bulkley Bldg., Cleveland, 2 story and basement, brick, steel and concrete school. $350,000.

O., Dayton — SCHOOL — St. Marys Church, B. J. Beckmeyer, pastor, 310 Allen St., having plans prepared by H. Germann, Schwind Bldg., 2 story, rein.-con. and brick, plain foundation, Allen St. $225,000.

O., Kent—LIBRARY—Kent State Normal College, plans library. $250,000. Ronan & Ingleson, Columbus, archts.

Ill., Chicago—SCHOOLS—Bd. Educ., 646 South Clark St., takes bids in August, 4 elementary schools, 864 seating capacity each, 1 at Wellington Ave. and School St., 1 at 101st and Leavitt Sts., 1 at Carmen Ave. and Argyle St. and other at 57th St. and Hamlin Ave., $500,000 each; Emil G. Hirsch Junior High School, 1,800 seating capacity, 77th St. and Ingleside Ave., $1,000,000; Thomas Kelley Junior High School, 2,200 seating capacity, 42nd St. and California Ave., $1,000,000., Roosevelt Junior and Senior High School, 4,500 seating capacity, Wilson and Kimball Sts., $3,000,000.

BIDS DESIRED

Mass., Braintree (Ind. br. Boston) — SCHOOL—Town, H. B. Higgins, chn. School Bd., taking bids 2 story and basement, brick and stone, plain foundation, Pond St. $150,000. Shepard & Stearns, 65 Franklin St., Boston, archts.

Mass., Hathorne—SCHOOL—July 28, by Trustees Essex Co. Agricultural School, at office commissioners, Court House, Salem, 2 story and basement, 56 x 72 ft. with 43 x 43 ft., with ell brick and stone school, here. $150,000. Sanborn & Weed, 38 Exchange St., Lynn, archts.

Mass., Lawrence — SCHOOL — Sacred Heart Roman Catholic Church A. Millet, pastor, taking bids 3 story and basement, 65 x 75 ft., brick and steel, Hawley St., $150,000. J. G. Morissetto, 575 A Essex St., archt. Noted May 28.

Mass., Swampscott — SCHOOL — School Bd., taking bids 2 story and basement, brick and limestone addition to Hadley School, Reddington St. $150,000. Peare & Quiner, 6 Beacon St., Boston, archts. Noted Mar. 5.

Conn., Danbury—HIGH SCHOOL—July 20, by City, W. H. Cable, com. head, 3 story and basement, 40 room high school, brick and steel. $400,000. Sunderland & Watson, 248 Main St., archts. Noted May 28.

Conn., Deep River — CHURCH — Deep River Baptist Church taking bids 1 story and basement, brick and stone church. $150,000. W. H. McLean, 88 Tremont St., Boston, Mass., archt. Noted June 4.

N. Y., Buffalo—SCHOOL—July 22, by Bd. Managers City Hospital, 462 Grider St., 3 story, 90 x 125 ft. rein.-con. and

Buildings—Educational, Religious (Cont.)

brick, Grider St. To exceed $150,000. W. A. Kidd, 524 Franklin St., archt.

N. J., New Brunswick—RECITATION—July 27, by Bd. Institutions & Agencies, Trenton, 2 story and basement, 70 x 115 ft., concrete and brick recitation building, at State Agricultural College, here. $250,000. A. B. Mills, State Office Bldg., Trenton, archt.

Pa., Erie—HIGH SCHOOL—July 21, by Bd. Educ., R. S. Scobell, bus. mgr., 2 story and basement, 188 x 279 ft., brick, steel and concrete addition to Wilson Junior High School. $400,000. W. W. Meyers, Erie, archt. Mayer & Valentine, Plymouth Bldg., Cleveland, O., consult. engrs. Noted Mar. 5.

Pa., Tacony (Sta. Phila.) — SUNDAY SCHOOL—July 20, by S. Milner, archt., 1117 Foulkrod St., Phila., 2 story and basement, 51 x 221 ft., stone, plain foundation, Tyson and Glenlock Sts., here, for Disston Memorial Church. $175,000.

Fla., Clearwater—HIGH SCHOOL—July 29, by Pinellas Co. Bd. Pub. Instruction, 3 story, rein.-con., brick and stone high school. $750,000. W. B. Ittner, 911 Locust St., St. Louis, Mo. and M. L. Elliott, Citizens Bank Bldg., Tampa, archts.

Calif., La Verne—ADMINISTRATION—La Verne College taking bids 2 story and basement, 132 x 166 ft. concrete administration building. $150,000. R. C. Loring, 717 East Colorado St., Pasadena, archt.

Calif., Los Angeles — CHURCH — Thirteenth Church of Christ Scientist, taking bids 1 story, 150 x 150 ft., rein.-con. and stone, Edgemont Blvd. near Hollywood Blvd. $300,00. Allison & Allison, 1405 Hibernian Bldg., archts.

BIDS RECEIVED

Ill., Princeton—HIGH SCHOOL—D. E. Pamp, secy. Twp. High School Bd., June 26, general contract 3 story, 70 x 320 ft., rein.-con., brick and stone high school, from A. Swack, Dubuque, Ia., $233,000; heating and ventilating apparatus, from Albretch Bros., Princeton, $38,450. Noted June 18.

Calif., Hayward—HIGH SCHOOL—Hayward Union High School Dist., general contract 2 story, rein.-con., from J. E. Branagh, 184 Perry St., Oakland, $199,450. Noted June 18.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. Mission High School, general contract from MacDonald & Kahn, 130 Montgomery St., San Francisco, $807,340, electrical work from Crown Electric Co., 153 Eddy St., San Francisco, $49,990; plumbing, gas fittings and sprinkler system from Burnham Plumbing Co., 1220 Webster St., San Francisco, $46,317; mechanical equipment, from Latourrette-Fiscal Co., 2612 9th St., Berkeley, $67,596.

CONTRACTS AWARDED

Vt., Burlington—HIGH SCHOOL—City, W. Fenton, chn. School Building Com., 3 story, and basement, 90 x 120 ft., and 60 x 120 ft., brick and stone, Main and Union Sts., to Keislich Constr. Co., 176 College St. Noted June 4.

Vt., Windsor—SCHOOL—School Building Com., 1 story and basement, 80 x 105 ft., brick and limestone, plain foundation, to Louks & Clarke Co., 6 Ernest St., Wallingford, Conn. Archts. est. $150,000.

Mass., Chelmsford — SCHOOL — School Bd., 2 story and basement, brick and stone, to Edwards & Monahan, 216 Central St., Lowell. Archts. est. $150,000. Noted Apr. 9.

Mass., Leominster—CHURCH—St. Marys Polish Church, 1 story and basement, brick and stone, to M. J. Walsh & Sons, Holyoke. Archts. est. $150,000.

Mass., Lynn—CHURCH—Church of Incarnation, Broad St., 1 story and basement, brick and stone, plain foundation, to Campbell Bros., 99 Sagamore St. Archts. est. $150,000. Noted June 4.

Mass., Worcester — CHURCH — Wesley Methodist Church, W. S. Mitchell, pastor, 1 story and basement, 164 x 172 ft., brick and granite, Main and Church Sts., to E. F. Miner Building Co., 25 Foster St. Archts. est. $200,000. Noted May 28.

Mass., Worcester—SCHOOL—Pub. Building Dept., 2 story and basement, brick and steel addition, plain foundation, Elizabeth St., to J. J. Power, 15 Ashland St. Archts. est. $150,000. Noted June 22.

Conn., North Mianus (mail Cos Cob)—SCHOOL—Bd. Educ. 2 story and basement, 62 x 200 ft., brick and stone school building, to Clark Constr. Co., 168 Grand Ave., Waterbury, Conn. Noted July 2.

Conn., Wallingford—LIBRARY—Choate School, G. C. St. John, master, will build 3 story and basement, 45 x 140 ft., brick, steel and stone library, by day labor. $350,000. E. P. Mellon, Pittsburgh, Pa., archt. Noted Feb. 5.

N. Y., Baldwin—HIGH SCHOOL—Bd. Educ., 2 and 3 story, 200 x 250 ft., brick and steel, Pershing Blvd. and Haig Ave., to Kirwin Esterbrook Constr. Co., 245 Fulton St., Hempstead. Archts. est. $500,000.

N. Y., Brooklyn—SCHOOL—St. Joseph Roman Catholic Church, 856 Pacific St., general contract 3 story, 64 x 169 ft., brick, 679 Dean St., to G. Driscoll, 550 Union St. Archts. est. $250,000.

N. Y., Rosedale (mail Jamaica) — SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 38, 241st St., here, to Eastern Constr. Co., 110 West 40th St., New York City, $280,280; heating, to Heat Control Service Co., 759 Park Pl., Brooklyn, $38,416. Noted July 9.

N. J., Audubon—HIGH SCHOOL—Bd. Educ., general contract 2 story and basement, 54 x 258 ft., and 92 x 111 ft., brick and steel, plain foundation, to G. H. Evans, 105 North 13th St., Phila., Pa., $319,125; heating, to H. Knecht, West Collingwood, $37,662. Noted June 18.

N. J., New Brunswick—CHAPEL—New Jersey College for Women, Elizabeth Voorhees Memorial Chapel, 2 story, 60 x 146 ft., brick and steel, to Highland Park Building Co., Highland Park, $250,000.

Pa., Elwood City—HIGH SCHOOL—Bd. Educ., general contract 3 story and basement, 232 x 253 ft. high school, to Gilpatrick Dawson Co., Empire Bldg., Pittsburgh, $335,675. Noted June 4.

Pa., Lancaster—AUDITORIUM—Day & Klauder, archts., 1416 Chestnut St., 1 story, gallery and basement, 51 x 147 ft., brick and stone, plain foundation, on campus, here, to H. Wohlsen, Woolworth Bldg., for Franklin Marshall College. Archts. est. $200,000. Noted June 25.

Pa., Phila.—LABORATORY, etc.—Wm. Penn Charter School, A. Scattergood, 409 Chestnut St., general contract 2 story and basement, 135 x 529 ft., stone laboratory and swimming pool, plain foundation, School, Lane and Fox Sts., to H. H. Conway, 5800 Walnut St.

Pa., Phila.—SCHOOL—Bd. Educ., general contract 3 story and basement, 72 x 158 ft., rein.-con. and brick, plain foundation, 17th and Christian Sts., to McCloskey Co., Inc., 1620 West Thompson Ave., $284,284; heating, to McClintock & Co., 5608 Race St., $28,990. Noted July 2.

Pa., Phila.—SCHOOL—School Dist., 19th above Chestnut St., general contract 3 story and basement, 72 x 150 ft., 8th and Parrish Sts., to McCloskey & Co., Inc., 1620 West Thompson St., $284,284; heating, to McClintock & Co., 5608 Race St., $28,995.

Pa., Pittsburgh—CHURCH—St. Boniface Roman Catholic Congregation, Royal St., plans 1 story and basement, East St., to Duquesne Constr. Co., Cypress and Aspen Sts. Archts. est. $225,000.

Md., Baltimore—SCHOOL—Notre Dame School, Ashland Ave. and Aisquith St., 5 story and basement, 92 x 137 ft., brick and steel, plain foundation, to A. Kaiser, 1036 Ensor St., $160,000. Noted July 9.

Ind., Indianapolis — CHURCH — Irvington Methodist Episcopal Church. 31 Layman Ave., will build 2 story and basement, brick and stone, Audubon Rd., by day labor. W. H. Moore, 412 West 38th St., supt. construction. H. Foltz, J. F. Wild Bldg., archt.

Ill., Harvey—HIGH SCHOOL—Bd. Educ., Thornton Twp., 2 story, 190 x 200 ft., rein.-con., brick and stone high school, to T. B. Hobson & Sons, Harvey. Archts. est. $350,000. Noted Apr. 30.

Wis., Eau Claire—HIGH SCHOOL—Bd. Educ., E. Schroeder, secy., general contract 3 story and basement, 208 x 240 ft., brick, tile and concrete, plain foundation, to Schafer & Olson, 222 Bay St., Chippewa Falls, $324,053; plumbing and heating, to P. J. Gallagher, Fairbault, Minn., $78,100; electrical work, to Universal Battery & Electric Station, 312 3rd Ave. S., Minneapolis, Minn., $27,887. Noted June 18.

Minn., Minneapolis—SYNAGOGUE—Beth El Congregation, B. Licht, chn. building comn., 1003 Sheridan Ave. N., general contract 2 story and basement, 73 x 97 ft., rein.-con., brick and stone, Penn and 14th Aves. N., to Madsen & Peterson, 646 Builders Exch. Archts. est. $175,000.

Okla., Tulsa — HIGH SCHOOL — Bd. Educ., Woodrow Wilson Junior High School, 2 story and basement, 128 x 282 ft., rein.-con., brick and stone, to R. M. Gillian, New Daniels Bldg., $209,467. Former contract rescinded. Noted July 2.

Calif., Los Angeles — HIGH SCHOOL — City, Edison Junior High School, 2 story main building, 1 story manual arts building, both brick, to Mathis Constr. Co., 337 West Avenue 26, $303,000; also Mt. Vernon Junior High School, 3 buildings, to Weymouth Crowell Co., 2104 East 15th St., Los Angeles, $280,000. Noted July 2 and 9.

Calif., Wilmington — HIGH SCHOOL — Los Angeles Bd. Educ., two 1 story buildings, here, to K. R. Bradley Constr. Co., 1925 East 16th St., Los Angeles, $274,701. Noted Apr. 30.

Federal Government Work

PROPOSED WORK

Va., Norfolk—Water Mains—Spec. 5126—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids water mains at Navy Yard, here.

BIDS DESIRED

Mass., Boston—Water Piping—Aug. 4, by Treas. Dept. at office Supervising Archt., Wash., D. C., removing present water piping and installing new in U. S. Appraisers Store, here; adv. E. N.-R. July 16.

Conn., New Haven—Dredging—July 31, by U. S. Engineer Office, Providence, R. I., dredging 480,000 cu.yd. in harbor here.

N. Y., Ithaca—Post Office—July 31, by Treas. Dept. at office Supervising Archt., Wash., D. C., addition to post office, here.

Pa., Phila.—Stone—Aug. 3, by U. S. Engineer Office, furnishing and placing stone in ice piers at Harbor of Refuge, Del.

Pa., Phila.—Welfare—Spec. WB—Aug. 5, at Pub. Wks. Office, Navy Yard, welfare building; adv. E. N.-R. July 16.

Md., Baltimore—Fire Protection—July 29, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending fire protection, etc., at Marine Hospital, here; adv. E. N.-R. July 16.

D. C., Wash.—Pipe Line—July 31, by U. S. Engineer Office, Land Office, 2nd and 3rd high pipe line, Conduit Rd. and Maryland line.

D. C., Wash.—Water Pipe—July 20, by General Purch. Officer, Panama Canal, Wash., D. C., c.i. water pipe.

Ala., Florence—Metal Doors—Aug. 3, by U. S. Engineer Office, metal doors in oil circuit breaker building at Wilson Dam; adv. E. N.-R. July 16.

Ky., Lexington—Remodeling—Aug. 5, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling parcel post lift at post office, here; adv. E. N.-R. July 16.

Mo., Kansas City—Current Retards—July 23, by U. S. Engineer Office War Dept., Wash., D. C., 600 lin.ft. current retards in Missouri River, West of Creve Coeur Lake.

Ariz., Yuma—Power Plant—Aug. 20, by Bureau Reclamation, siphon drop power plant, Yuma Project, Ariz.-Calif. P. W. Dent, acting comr.; adv. E. N.-R. July 16.

Calif., San Diego—Barge, etc.—Spec. 5108—July 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., pile driver barge and sandpump equipment, here.

Calif., San Francisco—Dredging—July 29, by U. S. Engineer Office, dredging 65,000 cu.yd. in Petaluma Creek.

BIDS RECEIVED

R. I., Providence—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office and courthouse, etc., here, from Regan Constr. Co., 2 East Lexington Ave., Baltimore, Md., $4,560. Noted June 4.

N. Y., Walden—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story brick post office, from King Lumber Co., Charlottesville, $42,400.

Pa., Franklin—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, post office, here, from A. M. Lundberg, Times Bldg., St. Louis, Mo., $72,900. Noted June 11.

Mich., Saginaw — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and extending post office, here, from Spence Bros., Saginaw, $15,789. Noted June 11.

Wis., Manitowoc — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, from J. Lauritzen, Fergus Falls, Minn., $15,099. Noted June 18.

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 9 Main St., San Francisco, grading 14.67 mi. Swartout Natl. Forest Highway, Los Angeles and San Bernardino Counties, from Crook & Henno, 434 Angelus Hotel, Los Angeles, $94,300. Noted June 25.

H. T., Pearl Harbor—Accessories House—Spec. 5097—Bureau Yards & Docks, Navy Dept., Wash., D. C., accessories house, here, from Walker & Olund, Honolulu, (1) $20,276 (2) $2,140 (3) $27 (4) $2 (5) $2. Noted May 14.

CONTRACTS AWARDED

Mass., Nantucket—Jetty—U. S. Engineer Office, Providence, R. I., repairing east jetty entrance to Nantucket Harbor, here, to Bay State Dredging & Constr. Co., 62 Candor St. E., Boston, $48,410. Noted June 4.

N. Y., New York—Pier—Treas. Dept. at office Supervising Archt. Wash., D. C., new pier at quarantine station, here, to Rhodes & Manvel Inc., 90 West St., $37,000.

Federal Government Work (Continued)

Pa., Phila.—Dredging—Spec. 5120—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Navy Yard, to Amer. Dredging Co., 308 Chestnut St., $150,000. Noted June 18.

Pa., Phila.—Paving—Spec. 5109—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving at Naval Home, here, to Curtis Bros., State Rd. and Unruh St., Tacony, (Phila. P. O.) $6,074 (45 days). Noted June 25.

S. C., Parris Island—Power Plant Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant equipment at marine barracks, here, to Elliott Co., Jeannette, $25,375 (150 days). Noted June 25.

Ala., Montgomery—Barge—U. S. Engineers Office, War Dept., 80 ft. steel barge, to Midland Barge Co., Midland, Pa. $12,480. Noted May 21.

La., New Orleans—Levee Work—U. S. Engineer Office War Dept., Wash., D. C., levee work in Upper Tensas Levee Dist., to J. W. Noble, Fayette, Miss., $114,408.

Tenn., Memphis—Levee Work—U. S. Engineer Office, War Dept., Wash., D. C., levee work in Lower St. Francis Dist., to W. H. Denison, Cushman, Ark., $10,080.

Ill., Great Lakes—Stokers—Spec. 5031—Bureau Yards & Docks, Navy Dept., Wash., D. C., mechanical stokers, here, to Harman Eng. Co., 844 North Rust St., Chicago, $26,-620. Noted July 9.

N. D., Devils Lake—Water and Sewerage Systems—H. Sorenson, major U. S. Property & Disbursing officer, Camp Grafton, water and sewerage systems, to Geraghty & Casper, Devils Lake, $16,404.

Mo., St. Louis—Towboat—U. S. Engineer Office, War Dept., Wash., D. C., 100 ft. steel hull Diesel engine electric towboat, to Howard Shipyards & Dock Co., Jeffersonville, Ind., $124,000. Noted June 11.

Colorado — Roads — Bureau Pub. Rds., Custom House, Denver, grading 4.36 mi. Tennessee Pass Rd., to San Luis Valley Constr. Co., Sanford, $42,849; 4.97 mi. Forest Pass Rd., to Stamey-Mackey Constr. Co., Colorado Springs, $59,674. Noted Mar. 26.

New Mexico—Road—E. S. Wheeler, dist. engr. Bureau Pub. Rds., 242 West Washington St., Phoenix, Ariz., 5.293 mi. Saliz Canyon-San Francisco River Sect. Datil-Reserve-Dry Creek Natl. Forest Rd. Catron Co., to J. Mulligan, El Paso, Tex., $99,757. Noted June 11.

Arizona—Road—E. S. Wheeler, dist. engr. Bureau Pub. Rds., 242 West Washington St., Phoenix, improving Flagstaff-Angel Rd., Coconino Co., to Downer & Merco, Richmond, Calif., $321,871. Noted June 25.

Wash., Keyport—Power Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending power plant, at Pacific Coast Torpedo Sta., to J. Galber, Mutual Life Bldg., Seattle, $6,648.

Calif., Point St. George—Garage—Spec. 5037—Pub. Wks. Office, Navy Yard, Mare Island, garage at radio station, here, to Webber Constr. Co., Crescent City, $11,093 (80 days). Noted Mar. 26.

Calif., San Francisco—Stone—U. S. Engineer Office, Custom House, stone for south jetty in Humboldt Bay, to A. D. Kern, Trinidad, $76,300. Noted May 28.

Unclassified

PROPOSED WORK

Playground — Fall River, Mass. — City, Park Comrs., plans constructing land bordering Globe Pond into public park and playground. $25,000 or more. Engineer not selected.

Swimming Pool—Fitchburg, Mass.—Dept. Pub. Wks. plans probably concrete swimming pool, Intervale Rd. H. G. Moore, city clk.

Park Improvements—Atlanta, Ga.—Ben Padgett Co., 50 Marietta St., plans developing 400 acres for amusement park, incl. swimming pools, dance pavilions, electric lights, roads, etc.

Parks, etc.—West Palm Beach, Fla.—Election July 14, $660,000 bonds for parks and playgrounds improvements; $350,000 bond fire and police equipment and new central station; and $220,000 bonds for seawall.

Gas Mains—Knoxville, Tenn.—Knoxville Gas Co., 715 South Gay St., plans extending gas mains in suburban districts. $25,000.

Swimming Pool — Memphis, Tenn. — See "Buildings—Commercial."

Race Track — Springfield, Ill. — State Building Comn., Springfield, appropriated $50,000, new race track at State Fair Grounds. Engineer not selected.

Tunnel—Minnesota—Superior Tunnel Co. organized in Minnesota, petitioned for permit to construct tunnel, 30 ft. diam., under St. Louis Bay, to connect Duluth and Superior. $4,000,000. H. H. Mitchell, c/o Commissioner Pub. Wks., Duluth, consult. engr.

Playground — Boonville, Mo. — Defeated $25,000 bonds for playgrounds.

Swimming Pool, etc.—Chaffee, Mo.—G. Huff plans 50 x 100 ft. swimming pool, 30 x 50 ft. wading pool, playground, athletic field, etc. $35,000-$50,000. F. R. Nohl, c/o owner, archt. and engr.

Stadium—Abilene, Tex.—Abilene Eagle Co. plans sport stadium, etc. $200,000. Engineer not selected.

Bulkhead and Dock — Orange, Tex. — Orange Ice, Light & Water Co. making plans 700 ft. bulkhead and dock, 50 ft. steel sheet piling, 60 ft. creosoted piling, creosoted timber and backfill. $25,000. Engineering Service Corp., 905 Keystone Bldg., Houston, engrs.

Gas Pipe Line—Oklahoma—Oklahoma Natural Gas Co., 1 East 36th St., Oklahoma City, making preliminary plans 65 mi. new 16 in. gas pipe line from Tulsa to Kelleyville and from Depew to Papoose oil field. $600,000. C. H. Crutcher, Tulsa, engr.

Elimination of Grade Crossings — San Francisco, Calif.—City and San Francisco Co. plan subway or overhead crossing at Junipero Serra Blvd. and Worcester St. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Ice Skating Arena — San Francisco, Calif.—Glacier Palace Corp. of California, 227 Pacific Bldg., C. E. Hopkins, pres., having plans prepared by T. H. Eslick, Santa Monica, 185 x 275 ft. ice skating rink here. $150,000.

Ice Arena—Toronto, Ont.—University of Toronto, Queens Park, making plans and soon takes bids artificial ice arena, concrete, brick and steel. $150,000. Harkness, Loudon & Hertzberg, Confederation Life Bldg., engrs. Darling & Pearson, Leader Lane, associated archts.

BIDS DESIRED

Gallow Frames—Brooklyn, N. Y.—July 22, by W. W. Mills, comr. Plants & Structures, Municipal Bldg., New York City, gallows frames and operating equipment for Rockaway Inlet ferry.

Subway—New York, N. Y.—July 24, by Bd. Transportation, 49 Lafayette St., laying tracks, etc. for Westchester Ave. Yard, also alterations to structure, Route 5, Sect. 8, Agreement "DY."

Subway—Phila., Pa.—Aug. 18, by H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., subway in Broad St. North of Courtland St., Contr. 107 A, and in Broad St. north Chew Ave. Contr. 107 B; adv. E. N.-R. July 16.

Wharf—Pointe-Au-Pere, Que.—July 22, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., improving wharf here. $25,000.

BIDS RECEIVED

Beach—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., July 9, constructing beach along ocean front, Beach 58th St., from W. H. Geoghegan Realty Co., Inc., 147 Remsen St., Brooklyn, $1,269,391.

Lighting System — San Diego, Calif. — Common Council ornamental lighting system on India, B Sts., etc., from Globe Electric Co., 300 6th St., San Diego, $43,-317.

CONTRACTS AWARDED

Pier Repairs—Boston, Mass.—Dept. Pub. Wks. (Ferry Service), repairing piers at South Ferry, to Rendle Corp. 271 Marginal St., East Boston, $42,360. Noted June 25.

Pier and Bulkhead—New York, N. Y.—M. Cosgrove, comr. Docks, Pier A, Battery Pl., North River, building Pier 35, East River, between Rutgers Slip and Clinton St., Contr. 1848, to H. Steers Inc., 17 Battery Pl., $186,058. Noted July 9.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing Sect. 4, Route 78, along and under St. Nicholas Ave. from West 33rd to 141st Sts., to G. J. Atwell Co., $3,374,000; special work Order 29, for Westchester Ave. Yard approach, to W. Wharton, Jr., Inc., 30 Church St., $13,774; Sects. 6, Route 78, under St. Nicholas Ave. and Bway. to Rodgers & Haggerty, Grand Central Terminal, $7,300,000, alterations to structures, to Guidone & Bottino, $81,305. Noted July 2 and 9.

Swimming Pool — Phila., Pa. — See "Buildings—Educational, Religious."

Gas Mains—Columbus, Miss.—Mississippi Power & Light Co., approximately 1.5 mi. new 4 in. gas mains and replacing about 1.5 mi. old mains with lateral connections, etc., in various streets, to Russell Eng. Co., Columbus. Engrs. est. $30,000.

Steel — Gulfport, Miss. — Woods Bros. Constr. Co., Lincoln, Neb., 3,500 tons reinforcing for 14 mi. sea wall in points least protected between Gulfport, Pass Christian and Biloxi, here, to Kansas City Bolt & Nut Co., Sheffield (mail Kansas City), Mo. Noted June 18.

Golf Course—Burlington, Wis.—Browns Lake Golf Assn., J. Prasch, pres., will construct golf course, by day labor. $65,000. Private plans.

Dock and Ice House—Omaha, Neb.—Pacific Fruit Express Co., 1416 Dodge St., will build 1 story and basement, 12 x 22 x 880 ft., concrete loading dock and ice house, by day labor. $25,000. Private plans.

Grain Elevator—Houston, Tex.—J. S. Metcalf Co., engrs., 608 South La Salle St., Chicago, Ill., 62 x 142 ft. rein.-con. grain elevator, 194 ft. high, 1,200,000 capacity, with 56 rein.-con. bins 17 ft. diam., 99 ft. high, to Fegles Constr. Co., 706 1st Ave. N., Minneapolis, Minn., for Turning Basin Dist. Navigation Dist., c/o H. L. Washburn, aud. Houston Co. $1,030,000. Noted July 9.

Stadium—Norman, Okla.—University of Oklahoma (1st unit), of stadium, 105 x 400 ft., brick, steel and stone, 15,000 seating capacity, to Campbell & Price, 603½ West Main St., Oklahoma City. Engrs. est. $100,000. Noted May 14.

Lighting System—Los Angeles, Calif.—Ornamental street lighting system on 9th St. between Figueroa and Vermont Aves., to R. A. Wattson, 1026 McCadden Pl., Los Angeles, $54,928. Noted July 9.

Oil Reservoirs—Martinez, Calif.—Shell Co. of California, 200 Busch St., San Francisco, two concrete lined oil reservoirs, 5,000 cu. yd. concrete 12,000 cu.yd. stripping, 100,000 cu. yd. excav. and 800,000 ft. lumber, to Bent Bros. Co., 418 South Pecan St., Los Angeles, approximately $400,000.

Swimming Pool—San Francisco, Calif.—See "Buildings—Commercial."

Transmission Lines, etc.—Cochrane, Ont.—See "Buildings-Industrial."

Materials

BIDS DESIRED

Road Oil—Galesburg, Ill.—July 20, by H. M. Roy, supt. Highways and S. A. Road Comn., Court House, 600,000 gal. road oil on 260 mi. various roads, for Knox Co. $36,000.

Light Posts, Cables, etc.—Batesville, Ark.—City in market for 74 new electric light posts, cables, etc. for "White Way" lighting system. $12,500 funds voted. E. H. Glenn, Batesville, engr.

Track Switches, etc. — San Francisco, Calif.—City and San Francisco Co. in market new track switches, frogs, and switchbacks, on municipal railway system. $50,-000. M. M. O'Shaughnessy, city engr.

Ties—Montreal, Que.—Aug. 3, by W. H. Grant, genl. tie agt. Canadian Natl. R.R., 230 St. James St., hardwood ties.

Rails—Melbourne, Australia—Aug. 26, by Secretary Victorian Government Ry. Dept., 350 tons tramway rails and 10 to 15 tons fish plates.

Steel Sheets—Melbourne, Australia—Aug. 12, by Secretary Victorian Government Ry. Dept., 170 mild steel sheets various sizes, and 11.35 cwt. mild steel hoops.

CONTRACTS AWARDED

Iron Castings—Boston, Mass.—Supply Dept., 250,000 lbs. iron castings, for Pub. Wks. Dept. (Water Service), to Foran Fdry. & Mfg. Co., Flemington, N. J., $0.0523 per lb.

Paving Blocks—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 15,000 granite blocks to Highway Dept., to Terminal Supply Co., 350 Madison Ave., New York City, $2,168. Noted June 18.

Inorganic Dust—New York, N. Y.—J. Miller, pres. Manhattan Boro., Municipal Bldg., 3,000 tons inorganic dust to New York Trap Rock Co., 101 Park Ave., $15,-960; 3,000 cu.yd. concrete paving sand, to Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, $4,400; 8,000 cu.yd. ¾ in. binder stone, to Calvin Tompkins Co., 30 Church St., $14,640; 600,000 gal. asphaltic cement, to Standard Oil Co., 26 Bway., $43,200; 20,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., Brooklyn, $20,-600. Grand total $98,800. Noted June 18.

Road Oil, etc. — Galesburg, Ill. — Galesburg Twp. 50,000 gal. Illinois Spec. E-3 road oil, f.o.b. Galesburg, to Cabell Petroleum Co., Arcade Bldg., St. Louis, Mo., $0.0518 per gal. Noted June 18.

OFFICIAL PROPOSALS

Bids: August 3.

Road Work

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION
Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for:

ENTRANCE ROAD, SECTION NO. 1

Construction of the Delaware River Bridge Entrance Road, Section No. 1, from 11th Street to Cooper River in the City of Camden, including the elevation of Federal Street, by means of a concrete viaduct about 896 feet long, founded on concrete piles; and the construction of a temporary detour road. The estimated quantity of work will include 23,491 sq.yds. of reinforced concrete pavement; 4,607 sq.yds. of recut granite block pavement; 195 tons structural steel; 135 tons reinforcing steel; 2,500 cu.yds. excavation; 13,750 lin.ft. concrete piles; 4,500 cu.yds. structural concrete.

Bids for the above will be received at the office of the State Highway Commission, 9th floor Broad St. Bank Building, Trenton, New Jersey, on Monday, August 3rd, 1925, at eleven o'clock (11.00 a.m.), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10) upon application to the State Highway Department, Room 901, Broad St. Bank Building, Trenton, N. J., or upon application to Mr. H. W. Giffin, Division Engineer, 8th and Market Streets, Camden, N. J. Bids must be made on the standard proposal forms in the manner designated in the 1924 specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and name and section of route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: July 25.

Rock-fill Dam

Pulaski, Va.

Sealed proposals will be received and publicly opened at 12 o'clock noon July 25, 1925, at the office of the Mayor, Pulaski, Virinia, gfor the construction of a Rock-fill Dam and Appurtenances. The following approximate quantities are involved: General excavation, 2,400 cubic yards; Rock-fill, 18,800 cubic yards; Class "A" Concrete, 280 cubic yards; Class "B" Concrete, 680 cubic yards; Reinforcing Steel 24,000 pounds; Piping, Valves, Specials and Appurtenances 35,000 pounds. Pipe, Valves, Specials and Appurtenances will be furnished by the Town f.o.b. cars Pulaski, Virginia.

Plans and specifications are on file at the office of the Mayor, Pulaski, Virginia and at the office of S. B. Williamson, Consulting Engineer, National Bank Building, Charlottesville, Virginia. Plans and Specifications may be obtained from S. B. Williamson upon deposit of $15.00. The Engineer will be at the site of the work on July 17th and 24th.

The Mayor and Council of the Town of Pulaski reserve the right to reject any or all bids.

E. W. CALFEE,
Mayor.

S. B. WILLIAMSON,
Consulting Engineer.

OFFICIAL PROPOSALS

Bids: July 23.

Road Work

VIRGINIA STATE HIGHWAY COMMISSION

Richmond, Va., July 3, 1925.

Sealed bids will be received at the Office of the State Highway Commission, State Office Bldg., Capitol Square, Richmond, Va., until 10:00 A.M., Thursday, July 23d, 1925, for construction of:

Route number	35	36	32	11
Project number	F-145E	F-167E	F-187	F-344C
County	Pr. George	Clarke	Pr. Edward & Charlotte	Wise
Length in miles	2.958	2.30	4.810	1.505
Type	Concrete	Bit. Mac.	Soil	Bit. Mac.
Contractors will be shown over the work	10 A.M. July 15th Petersburg Hotel, in Petersburg	10 A.M. July 17th N. & W. Sta. Boyce, Va.	10:30 A.M. July 15th Highway Office, Farmville, Va.	12 Noon July 15th Hartsock Hotel in Coeburn
ITEMS & APPROX. UNIT QUANTITIES				
Acres, clear. and grubbing	3.75	1.70	12.52	0.84
Cu.yd. excavation	10,155	21,789	34,067	51,106
Cu.yd. borrow excavation	5,867	1,768	.....	.....
Cu.yd. "A" concrete	17.30	64.72	56.86	232.64
Cu.yd. "B" concrete	14.60	156.12	211.72	20.28
Lin.ft. pipe	330	495	902.5	490
Lin.ft. gd. rail	800	1,912	2,183	3,360
Right of way monuments	22	50	54	38
Lb. reinforcing steel	1,117	6,600	4,563	21,763
Sq.yd. concrete pavement	31,255	.....	.....	.....
Sq.yd. Bit. macadam	.....	24.520	.....	16,134
Cu.yd. topsoil	.....	.....	11,495.9	.....
BRIDGES OVER 20 FT. SPAN				
Cu.yd. "A" concrete	46.8	.....	65.4	.....
Cu.yd. "B" concrete	138.6	.....	211.8	.....
Lin.ft. piles	1,280	.....	1,800	.....
Lbs. reinforcing steel	8,380	.....	13,520	.....
Local District Offices	Richmond	Staunton	Lynchbg.	Bristol
Shipping Pt.	Petersbg.	Boyce	Farmville	Coeburn
R. R.	N. & W.	N. & W.	N. & W.	N. & W.

Proposal guaranty to be certified check to the amount of $1,000.00. Plans and specifications are on file at Richmond Office, Richmond, Va., and at the local District Offices. Road plans for bidders may be obtained from Richmond Office upon receipt of $5.00 payable to H. G. Shirley, $2.50 of which will be refunded if plans are returned in good condition within two weeks after bids are opened. The State Highway Commission reserves the right to reject any or all bids.

Bids: July 27.

Willard Avenue Sewer

CONTRACT NO. 4
SANITARY DISTRICT OF ELGIN
Elgin, Ill.

Sealed proposals endorsed "Proposals for Willard Avenue Sewer" will be received by the Board of Trustees of the Sanitary District of Elgin, at its office, No. 12 Spurling Block, Elgin, Illinois, until 10:00 o'clock a.m. (Central Standard Time), on the 27th day of July, 1925, and will then be publicly opened and read.

The work for which proposals are invited consists of the construction of approximately 4,200 lineal of 8 to 15 inch cast iron and vitrified clay pipe sewers in Willard Avenue and Bent Street, a pneumatic sewage ejecter, manholes and other necessary appurtenances.

The work is in open cut and tunnel, including wet and dry excavation, back filling, disposal of surplus excavation, the placing of sewer pipe, concrete, brick work, iron castings, sheetings, bracing and other material as specified. For such labor and material the Contractor is to be paid in cash.

Each proposal must contain the full name of every person or company interested in the same and must be accompanied by cash or a certified check on a State or National bank in good standing and made payable to the order of the President of the Sanitary District of Elgin in the amount of Three Thousand Dollars ($3,000.00).

All proposals must be made upon blank forms furnished by the Sanitary District of Elgin and in accordance with "Requirements for Bidding" attached thereto.

The Board of Trustees of the Sanitary District of Elgin reserves the right to reject any or all bids, to waive or not to waive any informality in the bids received, and to accept or reject such items and divisions of the work as it seems most favorable to the Sanitary District of Elgin. No qualified or conditional bid will be considered.

Requirements for bidding, plans, specifications and forms of proposal, contract and contract bond may be obtained from the Clerk of the Sanitary District of Elgin, Illinois, upon the deposit of Ten ($10.00) Dollars, which sum so deposited will be refunded if said plans, specifications, etc., are returned in good condition within thirty (30) days after the opening of bids.

Dated this 27th day of June, A. D., 1925.

SANITARY DISTRICT OF ELGIN
By E. N. HERBSTER,
President Board of Trustees.

Attest:
M. M. CLOUDMAN, Clerk.

Bids: August 3.

READVERTISEMENT

Dam and Machinery for Hydro-Electric Development

Gouverneur, N. Y.

Sealed proposals will be received and opened by the Board of Lighting Commissioners of Gouverneur, N. Y., at the office of the Board, at eight (8) p.m., August 3, 1925, for the following:

Item 1—To furnish all labor and material to construct a concrete dam 175 feet long, 7 feet high and to construct a power plant building 36 feet long, 20 feet wide and 18 feet high of red brick, upon a concrete sub-base containing wheel pits and discharge pits. To include dismantling of old dam and building foundations.

Plans and specifications will be on file and may be seen at the office of the Board of Lighting Commissioners, Gouverneur, N. Y., or by appointment at the office of Lewis C. Reynolds, Engineer, Geneva, N. Y., at any time between the date of this notice and 8 p.m., August 3, 1925. Complete sets of plans and specifications may be obtained from the Board or the Engineer on payment of $10.00, which will not be refunded.

The right is reserved to the Village of Gouverneur, to reject any and all bids and all such proposals, and the contracts may be awarded on such bids as may be considered to the best interest of the village.

Dated July 13, 1925.

Village of Gouverneur, N. Y.
B. G. PARKER,
G. M. FRAZIER,
W. H. LOOMIS,
Board of Light Commissioners.

Engineer: LEWIS C. REYNOLDS,
387 Castle Street, Geneva, N. Y.

Bids: August 3.

Port Chester Bridge

White Plains, N. Y.,
July 13, 1925.

Sealed bids or proposals for the construction of a reinforced concrete and masonry bridge over Byram River on County Road No. 43 in the Village of Port Chester, will be received at the office of the Clerk of the Board of Supervisors, Court House, White Plains, New York, until 10 a.m., August 3rd, 1925.

Plans, specifications and proposal sheets and all information relative to same may be procured at the office of the County Engineer, Court House, White Plains, N. Y., upon making a deposit of Ten Dollars ($10.00).

BOARD OF SUPERVISORS,
FRED L. MERRITT, Clerk.

CONSTRUCTION NEWS

Engineering News-Record, July 23, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contents awarded, are the following big jobs:

Proposed Work

Power development, Ontario, government authorized Hydro Power Comm. to develop power on various sites on Ottawa River, total $20,000,000.

University, Coral Gables, Fla., G. E. Merrick donated 160 acres and $5,000,000 for university, total, $15,000,000.

Office, Washington, D. C., Washington Central Trust Co. plans building, $5,000,000.

Power plant, Lawton, Okla., Southwest Light and Power Co. making preliminary plans, $2,500,000.

Bridge, Oakland, Calif., city making preliminary plans, $2,000,000.

Club, San Francisco, Calif., Olympic Club plans building, $2,000,000.

City hall, Atlanta, Ga., city soon hold bond election, $2,000,000.

Office, Tulsa, Okla., Independent Oil and Gas Co. having preliminary plans prepared, $2,000,000.

Loft, New York, N. Y., J. Silverman having plans prepared, $1,500,000.

Apartment, New York, N. Y., I. F. Roe having plans prepared, $1,500,000.

Court house, Santa Barbara, Calif., Supervs. Santa Barbara Co. having plans prepared, $1,000,000.

Gymnasium, Berkeley, Calif., Univ. of California plans building, $1,000,000.

Railway, California, D. W. Pontius plans 15 mi. railroad, $1,000,000.

Bids Wanted On Big Jobs

College and dormitory, New York, N. Y., Yeshiva of America soon takes bids, $5,000,000.

Apartment, Chicago, Ill., Aug. 11, M. Fox, engr. and archt., $1,600,000.

Garage, Boston, Mass., J. M. Howe, et al., taking new bids, $1,500,000.

Temple, Des Moines, Iowa, Aug. 3, Shrine Building Assn., $1,000,000.

Large Contracts Let During Week

Church and office, New York, N. Y., B'way - Chelsea Methodist Episcopal Church to W. Kennedy Constr. Co., $4,000,000.

Legislative Hall, Olympia, Wash., State Capitol Com. to Sound Constr. & Eng. Co., $3,176,060.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
July 24	Brooklyn, N. Y.	July 16
July 25	Hopkinton, Mass.	July 23
July 27	Omaha, Neb.	June 25
July 27	Bradenton, Fla.	July 9
July 27	Omaha, Neb.	July 9
July 27	Milwaukee, Wis.	July 23
July 27	Houston, Tex.	July 23
July 27	Long Island City, N. Y.	July 23
July 28	Leesville, S. C.	June 25
July 28	Paynesville, Minn.	July 16
July 28	Baldwin, N. Y.	July 23
July 29	Cleveland, O.	July 23
July 30	Phillips, Neb.	July 16
July 31	Brooklyn, N. Y.	July 23
Aug. 1	Cleveland, O.	July 23
Aug. 4	Durham, N. C.	July 23
Aug. 4	St. Louis, Mo. Adv. July 9 to 23.	July 9
Sept. 4	Oakland, Calif.	July 9
	SEWERS	
July 25	East Liverpool, O.	July 23
July 27	Bradenton, Fla.	July 9
July 27	Gary, Ind.	July 16
July 27	Phila., Pa.	July 23
July 28	Louisville, Ky.	July 9
July 28	Leesville, S. C.	June 25
July 28	Paynesville, Minn.	July 16
July 28	Phila., Pa.	July 23
July 29	Cleveland, O.	July 23
July 30	Colonie, N. Y.	July 16
July 30	Russellville, Ark.	July 23
July 30	New York, N. Y.	July 23
July 31	St. Bernard (Br. Cincinnati) O.	July 16
July 31	Chattanooga, Tenn.	July 16
July 31	Batesville, Ark.	July 23
Aug. 1	Chicago, Ill.	July 9
Aug. 3	Plainfield, N. J. Adv. July 16 and 23.	July 16
Aug. 4	Paducah, Ky.	July 9
Aug. 4	Belzoni, Miss.	July 16
Aug. 6	Valley City, N. D.	July 23
Aug. 6	Olean, N. Y. Adv. July 23.	July 23
Aug. 11	Meadville, Pa. Adv. July 23.	July 23
Aug. 18	Lynn, Mass. Adv. July 9 to 23.	July 9
	WASTE DISPOSAL	
July 27	New Bedford, Mass.	July 16
Aug. 18	Clarksdale, Miss.	July 23
	BRIDGES	
July 25	Racine, Wis.	July 23
July 27	New Jersey	July 9
July 28	Merced, Calif.	July 2
July 28	Indiana	July 16
July 30	Mercer, Pa. Adv. July 16 and 23.	July 16
July 31	Menomonie, Wis.	July 23
July 31	Ohio	July 23
Aug. 3	Portchester, N. Y. Adv. July 16 and 23.	July 16
Aug. 3	Oakland, Calif.	July 23
Aug. 4	Mill Valley, Calif.	July 23
Aug. 5	Roach (mail Salt Rock), W. Va.	July 9
Aug. 5	Biloxi, Miss. Adv. July 23.	July 23
Aug. 11	St. Louis, Mo.	July 23
Aug. 11	Louisiana	July 23
Aug. 18	Clearfield, Pa.	July 23
Aug. 19	Alabama	July 23
	DAMS	
July 25	Pulaski, Va.	July 9
July 27	San Antonio, Tex.	July 2
July 29	New Brunswick	July 16
July 30	Grass Valley, Calif.	July 23
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
July 24	Ontario	July 23
July 24	Quebec	July 23
July 28	Marks, Miss.	July 23
July 28	Corning, Ia.	July 23
July 29	Falls City, Neb.	July 23
July 30	Cleveland, Miss.	July 23
July 31	Brooklyn, N. Y.	July 23
Sept. 12	Texas Adv. July 23.	July 23
	STREETS AND ROADS	
July 24	Pennsylvania	July 9
July 24	Olean, N. Y.	July 9
July 24	New Jersey	July 16
July 24	Michigan	July 16
July 24	Henrietta, Tex.	July 16
July 24	Boston, Tex.	July 16
July 24	West Palm Beach, Fla.	July 16
July 24	Elwood City, Pa.	July 16
July 24	Missouri	July 16
July 24	Cincinnati, O.	July 23
July 25	East Philadelphia, O.	July 23
July 27	Sacramento, Calif.	July 9
July 27	Kansas City, Kan.	July 9
July 27	New Jersey	July 9
July 27	South Bend, Ind.	July 23
July 28	Tuskegee, Ala. Adv. July 16 and 23.	July 16
July 28	Philadelphia, Miss.	July 16
July 28	South Carolina	July 16
July 28	South Bend, Ind.	July 23
July 28	Marengo, Ill.	July 23
July 28	Massachusetts	July 23
July 28	Maryland Adv. July 23.	July 23
Jluy 28	St. George, N. Y.	July 23
July 29	Nevada	July 16
July 29	Nebraska	July 16
July 29	Akron, O.	July 23
July 29	Wisconsin	July 23
July 29	Brooklyn, N. Y.	July 23
July 29	Cleveland, O.	July 23
July 29	Lincoln, Neb.	July 23
July 29	Indianapolis, Ind.	July 23
July 30	Chickasha, Okla.	July 9
July 30	New Jersey Adv. July 9 to 23.	July 9
July 30	Nebraska	July 16
July 30	Wisconsin	July 23
July 30	Lincoln, Neb.	July 23
July 30	Arkansas	July 23
July 30	Shaker Heights (Cleveland P. O.), O.	July 23
July 30	Hartford, Conn.	July 23
July 30	New York, N. Y.	July 23
July 31	Saltillo, Coahuila, Mexico	July 16
July 31	Nebraska	July 16
July 31	New York Adv. July 16 and 23.	July 16
July 31	Beaumont, Tex.	July 23
July 31	Wauwatosa, Wis.	July 23
July 31	Fond du Lac, Wis.	July 23
July 31	Ohio	July 23
Aug. 1	Birmingham, Ala.	June 25
Aug. 3	Pineville, W. Va. Adv. July 9 to 23.	July 9
Aug. 3	New York Adv. July 16 and 23.	July 16
Aug. 3	New Mexico	July 16
Aug. 3	Fayetteville, W. Va. Adv. July 16 and 23.	July 16
Aug. 3	Mt. Union, Pa.	July 23
Aug. 3	Camden, N. J. Adv. July 16 and 23.	July 23
Aug. 3	Charleston, W. Va.	July 23
Aug. 3	California	July 23
Aug. 3	Richmond, Ind.	July 23
Aug. 3	Shoals, Ind.	July 23
Aug. 3	Martinez, Calif.	July 23
Aug. 4	Florida	July 16
Aug. 4	West Virginia Adv. July 23.	July 23
Aug. 4	Auburn, Ind.	July 23
Aug. 4	Valparaiso, Ind.	July 23
Aug. 4	Plymouth, Ind.	July 23
Aug. 4	Boonville, Ind.	July 23
Aug. 5	Delaware	July 16
Aug. 5	Rye, N. Y. Adv. July 23.	July 23
Aug. 6	Michigan	July 23
Aug. 7	Ebensburg, Pa.	July 23
Aug. 7	Boston, Tex.	July 23
Aug. 9	Chickasha, Okla.	July 9
Aug. 10	California	July 23
Aug. 10	Michigan	July 23
Aug. 11	Clayton, Mo.	July 9
Aug. 11	Brooklyn, N. Y. Adv. July 16 and 23.	July 16
Aug. 11	St. Louis, Mo.	July 23
Aug. 11	Michigan	July 23
Aug. 11	Arcadia, Fla. Adv. July 23.	July 23
Aug. 12	West Virginia	July 23
Aug. 12	Michigan	July 23
Aug. 19	Alabama	July 23
Aug. 24	Kentucky	July 23
Sept. 22	New Orleans, La.	July 2
Sept. 24	New Orleans, La.	July 2

Bids Close		See Eng. News-Record

BUILDINGS—INDUSTRIAL

July 24	Providence, R. I.	July 23
July 27	Bradenton, Fla.	July 9
July 27	Johnstown, Pa.	July 23

BUILDINGS—COMMERCIAL

July 25	Phila., Pa.	July 16
July 27	Waukesha, Wis.	July 16
July 27	Willimantic, Conn.	July 23
July 27	Farmingdale, N. Y.	July 23
July 28	Buffalo, N. Y.	July 9
July 28	Tecumseh, Okla.	July 23
July 31	Phila., Pa. Adv. July 23.	July 23
July 31	Milwaukee, Wis.	July 23
Aug. 3	Des Moines, Ia.	July 23
Aug. 5	New York, N. Y.	July 23
Aug. 12	Little Rock, Ark.	July 23

BUILDINGS—EDUCATIONAL, RELIGIOUS

July 23	Phila., Pa.	July 9
July 27	Kankakee, Ill.	July 2
July 27	New Brunswick, N. J.	July 16
July 27	Worcester, Mass.	July 23
July 28	Hawthorne, Mass.	July 16
July 29	Clearwater, Fla.	July 16
July 30	Omaha, Neb.	July 23
July 31	Minneapolis, Minn.	July 23
Aug. 3	Shattuck, Okla.	July 23

FEDERAL GOVERNMENT WORK

July 27	Post Office—Bloomington, Ill.	July 9
July 27	Steel Shutter—Florence, Ala.	July 23
July 28	Post Office—Sandpoint, Idaho	July 9
July 29	Roads—Red Bluff, Calif.	July 9
July 29	Hospital—Canacao, P. I.	May 21
July 29	Dredging—San Francisco, Calif.	July 16
July 29	Fire Protection—Baltimore, Md.	July 16
July 29	Sheet Piling—Louisville, Ky. Adv. July 23.	July 23
July 31	Waterworks—Wash., D. C. Adv. July 9 to 23.	July 9
July 31	Post Office—Ithaca, N. Y.	July 16
July 31	Pipe Line—Wash., D. C.	July 16
July 31	Dredging — New Haven, Conn. Adv. July 2 to 16.	July 2
July 31	Metal Work—Louisville, Ky. Adv. July 23.	July 23
Aug. 1	Rock Crusher—Florence, Ala. Adv. July 23.	July 23
Aug. 3	Wicket Iron, etc.—Louisville, Ky. Adv. July 9 and 23.	July 9
Aug. 3	Stone—Phila., Pa.	July 16
Aug. 4	Hospital—Hot Springs, S. D.	June 25
Aug. 4	Water Piping—Boston, Mass. Adv. July 16 and 23.	July 16
Aug. 4	Metal Doors—Florence, Ala. Adv. July 16 and 23.	July 16
Aug. 5	Dredging—Baltimore, Md. Adv. July 9 to 23.	July 9
Aug. 5	Remodeling—Lexington, Ky.	July 16
Aug. 5	Welfare Building—Phila., Pa.	July 16
Aug. 5	Remodeling—Savannah, Ga.	July 23
Aug. 6	Dredging—Boston, Mass. Adv. July 2 to 23.	July 9
Aug. 7	Remodeling—Phila., Pa. Adv. July 23.	July 23
Aug. 10	Addition — Indianapolis, Ind.	July 23
Aug. 12	Nurses Quarters—New Orleans, La.	July 23
Aug. 14	Lock Gates—Pittsburgh, Pa. Adv. July 23.	July 23
Aug. 14	Post Office — Danbury, Conn. Adv. July 23.	July 23
Aug. 17	Barges—Norfolk, Va. Adv. July 23.	July 23
Aug. 17	Post Office—St. Augustine, Fla.	July 23
Aug. 18	Post Office—Pottsville, Pa. Adv. July 23.	July 23
Aug. 20	Power Plant—Yuma, Ariz.	July 16

UNCLASSIFIED

July 24	Subway—New York, N. Y.	July 16
July 27	Heating—Murphysboro, Ill.	July 23
July 27	Ornamental Lighting Standards—Buffalo, N. Y.	July 23
July 29	Street Lighting System—Akron, O.	July 23
Aug. 1	Recreation Pier, etc.—St. Petersburg, Fla	July 9
Aug. 2	Field House—Chicago, Ill.	July 23
Aug. 10	Electric Capstans, etc.—Napier, New Zealand	June 25
Aug. 18	Subway—Phila., Pa. Adv. July 16 and 23.	July 16

MATERIALS

July 29	Paving Blocks—Brooklyn, N. Y.	July 23
July 31	Chlorine, etc.—Cleveland, O.	July 23
Aug. 3	Ties—Montreal, Que.	July 16
Aug. 11	Asphalt, etc.—Bushnell, Fla.	July 23
Aug. 12	Steel Sheets—Melbourne, Australia	July 16
Aug. 19	Wire — Melbourne, Australia	July 23
Aug. 26	Rails—Melbourne, Australia	July 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Miss., Marks — Defeated $30,000 bonds, water and sewer extensions in various streets.

Miss., Isola — Making preliminary plans waterworks, incl. pumping equipment, tank on tower, distribution mains, etc. $25,000. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, La., engrs.

La., Kenner—Making preliminary plans mains and distribution system also sanitary sewers in various streets. $80,000. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, engr.

Tenn., Knoxville — Making plans waterworks improvements, incl. new pumping, station, 15 m.g. filtration plant and elevated storage reservoir. $1,500,000. Alvord, Burdick & House, Hartford Bldg., Chicago, engrs.

Tenn., McMinnville — Election Aug. 8, $65,000 bonds, extending and improving waterworks.

O., Columbus—See "Streets and Roads."

Mich., Ishpeming—Plans 1,200 ft. 14 in. intake into Lake Michigan. To exceed $15,000. W. Wellander, supt. Pub. Wks. Engineer not selected.

Wis., Stoughton—City, c/o C. Gander, supt. Power, plans to purchase new water wheels, flumes, belting, etc., for local water and power plant. $30,000. Engineer not selected.

Kan., Tescott—Election Aug. 7th, $33,000 bonds, for waterworks.

Neb., Superior — Making plans 250,000 gal. steel tank on 100 ft. steel tower. Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs.

Mo., Crane—Election soon $40,000 bonds for waterworks. Russell & Axon, McDaniels Bldg., Springfield, engrs.

Mo., Lees Summit—See "Sewers."

Mo., Kennett — Voted $40,000 bonds, waterworks improvements.

Mo., Neosho—Election soon $30,000 bonds extending waterworks. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs.

Mo., Portageville—Voted $85,000 bonds, complete water works and distribution system, etc. A. Moore, 222 West 3rd St., Joplin, engr.

Mo., Salisbury—Voted $23,000 bonds extending mains in various streets and $12,000 bonds for filtration plant. Noted July 2.

Ark., Searcy—Soon takes bids 350 tons 6- to 10-in. c.i. mains, gravity filters, pumping station, 200,000 gal. filter basin, 500,000 ga. concrete clear water basin, etc. $70,000. Dickinson & Watkins, 608 Boyle Bldg., Little Rock, engrs.

Tex., Abilene—SCHOOL—Election Aug. 10, $160,000 bonds new rein.-con., brick and stone school, plain foundation. C. E. Coombs, mayor.

Tex., Ennis — Election July 28, $60,000 bonds, for waterworks. H. McCanless, Ennis, engr.

Tex., Grand Prairie — Making plans waterworks improvements, incl. new well, additional pumping equipment and extending 6 in. mains in various streets. $20,000 bonds voted. Koch & Fowler, 606 Central Bank Bldg., Dallas, consult. engr.

Tex., Houston — Making plans mains in Euclid Ave. $26,000. J. C. McVea, city engr.

Tex., Lockhart — Texas Power & Light Co., Interurban Bldg., making plans waterworks improvements. $20,000. Jno B. Hawley, Cotton Exchange Bldg., Ft. Worth, engr.

Tex., Mission — Voted $60,000 bonds waterworks improvements, additional mains, pumping equipment, etc. Address J. T. Williamson, city secy.

Tex., O'Donnell—Election Aug. 5, $65,000 bonds, waterworks system. Devlin Eng. Co., 119 Central Bldg., Amarillo, engrs. Noted June 4.

Tex., Port Arthur—Making plans filtration plant handling 5 m.g. water daily. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs. $200,000. Noted July 9.

Tex., Richardson—Election soon $40,000 bonds, waterworks system. T. F. McKamy, mayor.

Tex., San Antonio — City Waterworks System plans 1 m.g. elevated tank, Hildebrandt and Shook Aves. $130,000. A. Hazen, 25 West 43rd St., New York City, superv. engr. Bids deferred. Noted July 9.

Okla., Carter—Making preliminary plans new waterworks, incl. 2 drilled wells, tank and tower, c.i. mains, etc., in various streets. $20,000 bond election soon. Engineer not selected.

Okla., Davenport — Voted $33,000 bonds for waterworks improvements, incl. tank on tower, pumps, motors, etc. Gantt-Baker Co., Inc., 1116 West Main St., Oklahoma City, engrs.

Okla., Okmulgee—Voted $1,000,000 bonds new reservoir on Salt Creek, spillway, dam and pipe line. Holway Eng. Co., Wright Bldg., Tulsa, engrs. Noted July 9.

Wash., Auburn — City Council making plans new reservoir for Coal Creek water system. $172,846, if cast iron pipe is used cost will be $212,887. J. A. Fallgreen, city engr.

BIDS DESIRED

Mass., Hopkinton—July 25, by Water Bd. Town Hall, about 4,500 ft. 6 in. c.i. mains in various streets. J. F. Sullivan, clk.

N. Y., Baldwin—July 28 (extended date), by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, two 20 m.g. turbine driven centrifugal pumps at Milburn pumping station, here. Noted July 9.

N. Y., Brooklyn—July 31, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Hegeman, Narrows, Ralph and 8th Aves., 19th, 68th, 73rd, 77th, East 8th, East 96th, West 5th and 7th Sts., here.

N. Y., Long Island City—July 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, 7 mains in 75th Rd., Shore Acre Blvd., Murray Lane, Bway., Kingsley 65th and Talbot Places, Arcadia, Ash, 21st, 38th, 46th, 57th, Patterson, Alstyne, 5th, Herberd 32nd, 33rd and Townsend Aves., 70th, 88th, 93rd, 98th, 124th, 128th, 136th, 147th, 163rd, 204th, 211th, 219th, Silver, Xenia, 78th, 160th and 161st Sts., here.

N. C., Boone—July 28, by D. J. Cottrell, mayor, 23,000 ft. 6- to 8-in. c.i. pipe for waterwork extensions, also steel storage reservoir, and 4 mi. sewers. G. C. White Eng. Co., Durham, engrs.

N. C., Durham—Aug. 4, by R. W. Rigsby, city mgr., mechanical filtration plant addition, 5½ m.g. capacity, coagulating basin, separate rein.-con. water basin of 1 m.g. capacity, 2.6 mi. 24 in. c.i. pipe line, 5 venturi meters, 3 motor driven centrifugal pumps, etc. W. M. Pratt, Durham, engr. Noted Jan. 15.

O., Cleveland—Aug. 1, by Bd. Comrs. Cuyahoga Co., mains in Mayfield Park subdivision Impvt. 358. To exceed $15,000. F. Williams, Court House, engr.

O., Cleveland—July 29, by Cuyahoga Co., 15,000 ft. 8 and 12 in. c.i. mains in Pleasant Valley Rd. F. Williams, Court House, engr.

Wis., Milwaukee—July 27, by Dept. Pub. Wks., 19,515 lin.ft. 6- to 12-in. c.i. mains in various streets in Notice 96; 16,176 lin.ft. 6- to 12-in. c.i. mains in various streets in Notice 97, J. Schwada, City Hall, engr. City will furnish pipe.

Okla., Red Fork — See "Contracts Awarded."

Calif., Needles — Sept. 15, by City Trustees, Sect. 1, distribution system, 6,600 lin.ft. 6- to 10-in. c.i. pipe (furnished, hauled and laid), 4,400 lin.ft. 3- to 6-in. c.i. pipe (reclaimed and laid); Sect. 2, constructing 150,000 gal. steel tank on tower. To exceed $25,000. Burns-McDonnell-

Waterworks (Continued)

Smith, Marsh-Strong Bldg., Los Angeles, engrs.

BIDS RECEIVED

Wis., Milwaukee — Dept. Pub. Wks., July 13, c.i. mains in various streets, Notice 93, from Mierswa Constr. Co., 1619 Oregon St., Oshkosh, $14,459; Notice 95, from H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, $7,809.

CONTRACTS AWARDED

Md., Baltimore—Bd. Awards, City Hall, trench excav. in Northeastern and Eastern Dists., to M. L. Quinn, 5306 York Rd., $28,935; in Western and Southwestern Dists. also Northwest Dist., to M. and J. B. McHugh, 4105 Belleview Ave. $43,325 and $59,025 respectively.

W. Va., Ronceverte — Filtration plant and reservoir consisting of steel tank set in present concrete basin, to Pittsburgh-Des Moines Co., Curry Bldg., Pittsburgh, Pa., $30,126.

Ill., Christopher—City, c.i. pipe line connecting with new reservoir, to Benton Plumbing Co., Benton, $14,316.

Neb., Dubois—M. Church, city clk., 50,000 gal. tank on tower, 5,124 ft. 4- to 8-in. c.i. and 6,100 ft. 1 and 2 in. galvanized pipe in place, 2 wells, etc., to A. C. Hastie, Falls City, $17,976. Noted June 25.

Neb., Greenwood — W. E. Hand, village clk., 90 ft. well, pumping station, pumping equipment, c.i. mains, valves and boxes, to Hastie & Shirley, Omaha; 30,000 gal. steel tank on tower, to Omaha Steel Wks., 4802 Leavenworth St. Engrs. est. $25,000. Noted June 25.

Tex., Goree—Waterworks improvements, incl. well, 50,000 gal. steel tank on 100 ft. tower, etc., to R. Irick, Plainview, $28,497. Engrs. est. $35,000. Noted July 9.

Tex., Wichita Falls—Westmoreland Park Co., J. Thomas, waterworks improvements, incl. filtration plant, etc., to Redwood Pipe Mfg. Co., Hobart Bldg., San Francisco, Calif., $70,000. Noted June 25.

Okla., Red Fork — City will build new waterworks system, by day labor. $65,000. Gantt-Baker Co., Inc., 116 West Main St., Oklahoma City, engrs. Noted Apr. 16.

Ont., Waterford—D. A. Hill, village clk., waterworks system, general contract, to J. A. Vance, 197 Light St., Woodstock $25,000; steel tank, to Horton Steel Wks., 85 Richmond St., Toronto, $6,000; pumping equipment, to Goldie McCulloch Co., Galt; mains, to Gartshore Thompson Pipe Fdry. Co., Hamilton. Engrs. total est. $45,000.

Ont., Welland—C. R. Hagen, chn. Water Comrs., filtration plant, to W. H. Yates Constr. Co., 17 Main St. E., Hamilton, $146,500. Engrs. est. $150,000. Noted June 18.

Sewers

PROPOSED WORK

R. I., Providence—Plans sewerage works in Sunnyside, Cumberland and Devonshire Sts. $25,000. J. B. Ballard, chn. Com. on Sewers.

N. Y., Lackawanna — Plans reconstructing sewage disposal plant. $350,000.

N. C., High Point—Plans extending about 7 mi. 8- to 12-in. sewers and ¾ mi. 6 and 10 in. c.i. mains in various streets. A. E. Taplin, High Point, engr.

La., Kenner—See "Waterworks."

Ohio — Lake Co. (Painesville) plans sewers in about 1,500 acres east of Chagrin River through villages of Wickliffe, Willowick and Willoughby. $385,000.

O., Cincinnati—City plans 2,410 ft. vitr. clay and 930 lin.ft. 33 and 51 in. brick sewer in Lower River Rd. between Anderson Ferry Rd., and culvert point 1,255 ft. west Fennimore St. $36,450. F. Krug, City Hall, engr.

O., Columbus—See "Streets and Roads."

O., Columbus—Making plans 2,230 lin. ft. 6- to 18-in. sewer, etc., in Margaret Ave., $1,485; 12,000 ft. sanitary sewer in Palmetto Ave., $27,689. R. H. Simpson, city engr.

Ind., Anderson —Making plans sewers in 1 mi. various streets in Lommandale. $35,000. M. H. Donney, city engr.

Michigan — Lapeer (Lapeer), Sanilac (Sandusky) and St. Clair (Port Huron) Counties, making surveys 15,000 ft. Mill Creek Drain.

Mich., Detroit—Made plans 2,483 ft. 12- to 18-in. crock in Storm Sewer 4411, 1,890 ft. 12- to 20-in. Storm Sewer 4418, 1,937 ft. 12- to 20-in. Storm Sewer 4419, 5,687 ft. 12- to 24-in. Lateral Sewer 4379, 3,850 ft. 12- to 24-in. Lateral Sewer 4389, 4,958 ft. 12- to 24-in. Lateral 4409, 1,549 ft. 12- to 20-in. Lateral Sewer 4410, 841 ft. 12- to 24-in. Lateral Sewer 4417, 3,268 ft. 12- to 24-in. Lateral Sewer 4422, 4,361 ft. 12- to 20-in. Lateral 4423, 2,793 ft. Lateral 4424, 2,793 ft. 12- to 15-in. Lateral Sewer 4426, 727 ft. 12- to 15-in. Lateral Sewer 4427, 5,812 ft. 12- to 24-in. Lateral 4428. P. A. Fellows, city engr.

Wis., Stoughton—See "Waterworks."

Mo., Jackson — Voted $65,000 bonds 2 disposal tanks, 47,130 ft. 6- to 12-in. vitr. clay sewers, etc. in various streets. E. Flad & Co., 1312 Chemical Bldg., St. Louis, engrs. Noted June 25.

Mo., Kansas City — Plans sewers and levees in various streets. $1,300,000. Above project is part of $38,000,000 bond issue to be submitted to voters about Oct. 15.

Mo., Kennett — Voted $28,000 bonds sewers in various streets.

Mo., Lees Summit—Election July 21 (extended date), $77,000 bonds sanitary sewers and $10,000 bonds water extensions in various streets. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs. Noted July 2.

Mo., St. Louis—Making preliminary plans brick or segmental block and vitr. clay sewers in North Baden Joint Dist. 1, $26,000; vitr. clay sewers in North Baden Joint Dist. 2 $25,700, in Baden Sewer Dist. 5 $11,600, and in Baden Sewer Dist. 6, $14,400. W. W. Horner, City Hall, engr.

Mo., St. Louis—Soon takes bids 28,945 lin.ft. 21- to 36-in. vitr. clay, 4,180 lin.ft. 27- to 36-in. clay, brick or segmental block sewers, 970 lin.ft. 42 and 45 in. brick or segmental block sewers in Baden Sewer Dist. 4, $167,000; 140 ft. 8 in., 1,055 ft. 10 in., 295 ft. 12 in., 395 ft. 15 in., 315 ft. 18 in., 155 ft. 21 in. and 250 ft. 24 in. vitr. clay sewers in Harlem Creek Dist. 23. W. W. Horner, City Hall, engr. Noted Apr. 9.

Tex., Abilene—Election Aug. 10th, $50,000 bonds, sewerage improvements. C. E. Combs, mayor. Noted Mar. 26.

Tex., Brownfield—Voted $100,000 bonds sewerage system and disposal plant. M. L. Copeland, city secy.

Tex., Lubbock — Voted $150,000 bonds, sanitary sewers in various streets. M. S. Ruby, city clk. Noted June 18.

Tex., O'Donnell—Election Aug. 5, $25,000 bonds sewers in various streets. Devlin Eng. Co., Central Bldg., Amarillo, engr.

Okla., Oklahoma City—Election Aug. 4, $1,750,000 bonds outfall sewers and 2 disposal plants. B. M. Hart, City Hall, engr. Noted July 2.

Okla., Sulphur — Plans extending 20,000 ft. 8 and 10 in. vitr. clay sewers in Dist. 9. $25,000. Engineer not selected.

Wash., Seattle—City Council plans trunk sewer in Michigan St. $411,892. A. H. Dimock, city engr.

Calif., Burlingame—Made plans 2,842 ft. 6 in. vitr. and 10,038 ft. 24 in. concrete sewers, etc., in various streets. J. R. Murphy, city clk.

Calif., San Francisco — City and San Francisco Co. plan sewers in Kirkham St. between 23rd and 26th Aves., and in 23rd Ave. between Kirkham and Lawton Sts. To exceed $25,000. M. M. O'Shaughnessy, city engr.

BIDS DESIRED

N. Y., Brooklyn — July 29, by J. A. Guider, boro pres., Boro Hall, sewers in Rutland Rd., Lott Ave., Fort Hamilton Parkway, 73rd, 79th, 47th, 59th, 60th and East 34th Sts.

N. Y., Farmingdale — See "Buildings—Commercial."

N. Y., New York—July 30, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in White Plains Rd., Baychester and Bussing Aves.

N. Y., Olean—Aug. 6, by Common Council, sanitary trunk sewers in Two Mile Creek, pumping station, etc. G. R. Miles, city engr. G. C. Diehl, Inc., 555-583 Ellicott Sq., Buffalo, associate engrs.; adv. E. N.-R. July 23.

N. Y., St. George — See "Streets and Roads."

Pa., Meadville — Aug. 11, at Office D. Andrews city clk., constructing sewage pumping station. R. L. Phillips, city engr.; adv. E. N.-R. July 23.

Pa., Phila.—July 27, by Bureau Highways, Dept. Pub. Wks. storm sewers in Packer Ave. from Broad to 10th Sts., 10th St. from Johnston St. to drainage ditch south of Geary St., 20th St. from Packer to Pattison Aves., Pattison Ave. from 20th to Broad Sts., Pattison Ave. from Broad to 10th Sts., 10th St. from Pattison Ave. to drainage ditch north of Hartranft St., Pattison Ave. from 10th to 7th Sts., and 7th St. from Pattison Ave. to Johnston St. G. H. Biles, dir.

Pa., Phila.—July 28, by Dept. Pub. Wks., Bureau Engineering, storm water sewers, etc., in South Philadelphia Impvt. Dist. south of Packer Ave. and west of Broad St.; Wingohocking Sewer in Howard St. from point 65 ft. southwest of Front St. to Hunting Park Ave., etc.; main sewer in Colgate St. from Wakeling to Comly Sts.

N. C., Boone—See "Waterworks."

O., Cleveland—July 29, by City, main drainage sewer at Cleveland Air Port. $70,000. R. Hoffman, City Hall, engr.

O., East Liverpool—July 25, by A. G. Ellis, serv. dir., 2,446 ft. 4 and 6 in. sanitary sewers in Coal Alley, Ryder Ave., Riley, Laura and Springdale Aves. $50,000. J. A. George, East Liverpool, engr. Noted May 14.

N. D., Valley City — Aug. 6, by City, about 10,284 lin.ft. 8- to 30-in. vitr. tile storm sewer, etc., and 1,150 lin.ft. 10 in. vitr. tile sewers, etc., in Impvt. Dist. 3. $25,000. Dakota Eng. & Constr. Co., Valley City, engrs.

Ark., Batesville—July 31, by W. K. Ruddell, secy., 4.6 mi. 21,700 ft. 6- to 10-in. vitr. sewers in Sewer Dist. 4, $27,000. V. V. Long & Co., 2300 Colcord Bldg., Oklahoma City, Okla., engrs. Noted Mar. 13.

Ark., Russellville—July 30, at office R. Bailey, atty., sanitary sewers in Dist. 2. F. Ellsworth, Russellville, engr. for dist.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 14, storm sewers in Baisley Blvd., from Necaro Co., Inc., 97 Court St., Brooklyn, $926,233; 192nd St. from J. Gallo, 203 Division St., Brooklyn, A $131,134 B $123,634; East 217th St., from J. F. Clancy, Inc., 460 Lockwood St., Astoria, $4,164; Herbert and 163rd Sts., from Greenough & Coppinger, 9301 86th Rd., Woodhaven, $3,096 and $877 respectviely; Sinclair Ave., from C. Pettracca, 737 Kathleen Court, Brooklyn, $7,515; Sanford Ave., from H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $4,332. Noted July 9.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., July 16, sewers in River and Underhill Aves., from J. V. Timoney Constr. Co., 220 East 201st St., $17,806 and $3,189 respectively; Fenton and Cromwell Aves., from Slack & Slack Corp., 1621 Gates Ave., $8,775 and $6,900 respectively; Grace Ave., from R. L. Sullivan, Dorothy Pl., $7,237; Wilkinson Ave. from Eastern Blvd. to Westchester Ave., from C. W. MacDonald, 1910 Webster Ave., $4,502; Wilkinson Ave. from Mayflower to Hobart Aves., from Fiorello & Koch, 1895 Belmont Ave., $5,216; receiving basins in Bronxwood Ave., etc., from A. Gregorio & Co., 1129 8th Ave., $1,893. Noted July 9.

Pa., Phila. — Dept. Highways & Bureau Engineering, July 14, from J. J. McHugh, 1617 Race St., main sewers in Ashdale St. $104,724, branch sewers in Broad St. $46,483, Elmwood St. $27,717; from E. Pascuzzi, 601 Lincoln Bldg., main sewer in Erie Ave. $290,634; from F. T. Buckins Jr., 4050 Kensington Ave., main sewer in Harrison St. $45,000, inlet laterals $40,020; from A. Mattia, 310 North 65th St., branch sewers in Bermuda St. $2,384, Cooper St. $2,204, from A. Franzi, 513 High St., Disston St. $4,481, Howell St. $5,853, Tulip St. $8,055, from F. DiPasquale, 1215 South 7th St., Jenks St. $6,362, Towesdale St. $22,128, from J. Lombardi, Lincoln Bldg., 75th St. $37,430, from V. S. Campellone, 812 West Venango St., VanDike St. $4,872, from J. Moss, 1652 Wakeling St., Van Kirk St. $4,485; from Vare Constr. Co., 1120 Race St., collecting sewer in 80th St., $167,026. Noted July 9.

Md., Baltimore—Bd. Awards, 21,560 lin. ft. 8 in. and 1,600 ft. 10 in. vitr. sanitary sewers in Dist. P-8, Sanitary Contr. 220, incl. from A. J. Boyle, Amer. Bldg., $91,161. Noted July 9.

O., Cleveland—Cuyahoga Co., 7,000 ft. 8- to 48-in. sewer in Ridgeway Blvd., from N. Carroccio, 14109 Benwood Ave., $64,230.

Mich., Detroit — From S. Healy, 12198 Wyoming Ave., Cadieux Rd. Sewer, Sect. 3 $96,974, Lyndon Grand River Arm of East Mill Rd. Sewer $123,370, Storm Sewer 4412 $4,695, Storm Sewer 4415 $6,828; from Waterway Constr. Co., Detroit, Bonaparte Ave. Arm East Wyoming Ave. Sewer $25,985, Storm Sewer 4413 $6,898, Storm Sewer 4416 $5,732; from T. D. Nolan, 11341 Woodward Ave., Kendall Ave. Arm West Wyoming Ave. Sewer $37,913; from J. Brogan, Green Bay, Wis., Storm Sewer 4407 $8,232; from Lincoln Constr. Co., 12337 Indiana Ave., Storm Sewer 4408 $5,759; from H. Ponterelli, 1974 Hale Ave., Storm Sewer 4414 $4,900.

Sewers (Continued)

Mo., Kansas City—Bd. Pub. Wks., June 25, combined storm and sanitary sewer, known as "Gooseneck Sewer," from Torson Constr. Co., 3700 Westport St., $1,263,989. Noted June 4.

Calif., Santa Barbara—For 23,373 lin.ft. 6- to 14-in. vitr. sewers, etc. in Milpas, Salinas Sts., etc. from Olivarri Contg. Co., Ventura, $29,306.

CONTRACTS AWARDED

Miss., Belzoni — For 20,000 ft. 8 in. sanitary sewers, Laclede Christy St. Louis pipe, to Fisher Lime & Cement Co., Memphis, Tenn., $5,220; labor, to W. D. Banker Constr. Co., Memphis, Tenn., $11,211. Noted July 2.

O., Cleveland—City, 975 ft. 15- to 18-in. vitr. tile sewer in Rosewood Ave., to Joseph Co., Prospect-Fourth Bldg., $10,365; 9805 ft. 12- to 20-in. vitr. tile sewer in Triskett Rd., West 162nd, 132nd and 133rd St., to Yahaya Bros., 3196 West 25th St., Cleveland, $32,066.

O., Cleveland—Cuyahoga Co., 7,000 ft. 8- to 48-in. concrete sewer in Ridgeway Blvd., to N. Carroccio, 14109 Benwood Ave., $64,-230. Noted June 23.

O., Euclid — Sewers in Sect. 1 Babbitt Rd., to A. C. Hattendorof, Stop 14 Euclid Ave., $27,544; Sect. 2 to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $27,741.

O., Euclid—Concrete sewers in Cut and Chardon Rds., to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $57,104. Noted July 2.

Ill., Pittsfield—Bd. Local Impvts., Firemens Hall, 46,904 ft. 8- to 18-in. vitr. clay and 84 ft. 8- to 18-in. c.i. sewers in various streets, to V. E. Taylor, 407 Washington Ave., St. Louis, Mo., $60,992. Noted July 2.

Waste Disposal

BIDS DESIRED

Miss., Clarksdale — Aug. 18, by L. A. Ross, mayor, and City Council, garbage incinerator, 10 to 15 ton daily capacity.

CONTRACTS AWARDED

Fla., Tampa — City Comrs., 100 ton incinerator plant on Maryland Ave. and 1st St., to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., $60,000. Noted May 28.

Bridges

PROPOSED WORK

Pa., Phila.—Plans 435 x 108 ft. timber bridge over Greenwich Branch Pennsylvania R.R., and Baltimore & Ohio R.R. tracks, at 7th St. $65,000. Bureau Eng., City Hall, engrs.

Tenn., Knoxville — City and Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., take bids about Sept. 1, viaduct over railroad tracks, here. $500,000. L. Brownlaw, city mgr. B. Herman, ch. engr. railroad. Noted July 2.

Ill., Rockford—Plans bridge, Peach St. to 1st St. $250,000-$400,000. B. C. Harvey, City Hall, engr.

Wis., Racine — City, c/o H. A. Nelson, Comr. Pub. Wks., soon takes bids approximately 185 ft., steel girder bridge, 36 ft. roadway and two 6 ft. sidewalks, over Root River at Mead St. $50,000. Wisconsin Bridge & Iron Co., North Milwaukee, engrs. Noted Feb. 5.

Kan., Yates Center—Clerk Woodson Co. rejected bids July 8, for Cooper and Spogy Bridges. Will readvertise. H. O. Ashley, Yates Center, engr. Noted July 2.

Mo., Kansas City—Plans 450 ft. bridge at 43rd St. and Mill Creek Parkway, $100,-000-$150,000; also 575 ft. bridge over Pershing Rd. from Bway. to West Penway, $200,000. Above projects are part of proposed $38,000,000 bond issue to be submitted to voters about October 15. Engineer not selected.

Tex., Baird—See "Streets and Roads."

Tex., Bay City — See "Streets and Roads."

Tex., Boston—See "Streets and Roads."

Tex., Carthage—See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Tex., Sulphur—See "Streets and Roads."

Tex., Sweetwater — See "Streets and Roads."

Tex., Uvalde—See "Streets and Roads."

Tex., Waxahachie — See "Streets and Roads."

Calif., Blythe—State Hy. Comn., Sacramento, Calif., and State Hy. Comn., Phoenix, Ariz., making plans 900 ft. steel bridge over Colorado River, near here. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

Calif., Oakland — Making preliminary plans rein.-con. and steel vehicular bridge over Lake Merritt. $2,000,000. W. W. Harmon, city engr.

BIDS DESIRED

Pa., Clearfield—Aug. 18, by Commissioners Clearfield Co., J. E. Dale, pres., Court House, Upper Burnside Bridge 1, 80 ft. double span plate girder; Upper Burnside Bridge 2, 3 span 110 ft. rein.-con. girder; Lower Burnside Bridge, 60 ft. double span plate girder; Cush Creek Bridge, 40 ft. single span plate girder, all on Route 62. $150,000. L. C. Norris, clk.

N. C., Nashville — July 30, by Comrs. Nash Co., constructing bridges and culverts, 220,880 lb. reinforcing, 200,000 lb. structufral steel, 311 sq.yd. wearing surface, 150 sq.yd. grouted riprap, etc. $68,000. J. J. Wells, Rocky Mount, engr.

South Carolina—See "Streets and Roads."

Alabama—Aug. 19, by State Hy. Dept., Montgomery, bridge over Choctawhatchee River and bridge over Double Bridge Creek, near Geneva, State Project 11, Geneva Co., 46,773 lb. structural steel, 69,188 lb. reinforcing, 223,400 ft. treated timber and 7,130 ft. treated timber piles, etc., $75,000; and bridge on Birmingham-Warrior Rd., Jefferson Co., 278,682 lb. reinforcing, 1,591 cu.yd. concrete, etc., $50,000. W. S. Keller, highway engr.

Miss., Biloxi — Aug. 5, by Bd. Supervs. Harrison Co., Court House, Gulfport, Back Bay Bridge, rein.-con. with steel draw span across Bay of Biloxi, here. Hedrick, Smith & Frost, Box 407, Pass Christian, consult. engrs.; adv. E. N.-R. July 23.

Louisiana—Aug. 11, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing Minor Canal Bridge, State Project 325-B, Houma-Morgan City Highway, Terribonne Parish. W. B. Roberts, highway engr.

Ohio — July 31, by Dept. Highways & Pub. Wks., Columbus, steel bridge on Sect. J, Hampden-Andover Rd., Ashtabula Co., $28,858; concrete bridge on Sect. I, Ohio River Rd., Clermont Co., $8,204; concrete viaduct on Sect. I, Ohio River Rd., Clermont Co., $11,500; bridge and approaches on 0.13 mi. Sect. K, Cincinnati-Chillicothe Rd., in Clermont Co., $12,470; bridge on Sect. L, Ohio River Rd., Clermont Co., $74,-583; steel bridge on Sect. C, Vernon-Mt. Gilead Rd., Knox Co., $21,427; bridge on Sect. "Toledo-Bridge," Detroit-Toledo Rd., Lucas Co., $56,286; bridge on Sect. "Toledo-Bridge" Toledo-Lansing Rd., Lucas Co., $54,111; concrete slab bridge on Sect. D, Piqua-Urbana Rd., Miami Co., $2,582; concrete beam bridge on Sect. D, Piqua-Urbana Rd., Miami Co., $6,462; beam bridge on Sect. H, Piqua-Urbana Rd., Miami Co., $6,064; and bridge on Sect. V, Portsmouth-Columbus Rd., Ross Co., $6,123; bridge on Sect. V, Portsmouth-Columbus Rd., Ross Co., $6,123. A. V. Donaheys, div. engr.

Ohio—See "Streets and Roads."

Wis., Menomonie—July 31, at Div. Office 6, 213 South Barstow St., Eau Claire, one 175 ft. truss span, etc., over Wilson Creek, on Federal Aid Project 370-B, Dunn Co., here, 23,340 lb. reinforcing, 220,020 lb. structural and 2,350 lb. cast steel, etc. J. T. Donaghey, Madison, highway engr.

Wis., Racine—July 25, by H. A. Nelson, comr. Pub. Wks., 180 to 190 ft. steel girder bridge, 36 ft. roadway, etc., at Mead St. $50,000-$60,000. Wisconsin Bridge & Iron Co., North Milwaukee (Milwaukee P. O.), engrs. Noted Feb. 5.

Neb., Lincoln—See "Streets and Roads."

Mo., St. Louis — Aug. 11, by Bd. Pub. Serv. 208 City Hall, 5 span 327 ft. rein.-con. and steel bridge over Des Peres River, at Bway., 2,930 cu.yd. grading, 40,740 cu.yd. earth excav., 6,180 ft. concrete piling, 60,-283 cu.ft. concrete paving, etc. $105,500. L. R. Bowen, 301 City Hall, engr. Noted Dec. 18.

Tex., Boston—See "Streets and Roads."

Tex., San Angelo—City and Tom Green Co. taking bids steel concrete and timber bridge across North Concho River, on Abe St. $40,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Apr. 30.

Tex., Uvalde—See "Streets and Roads."

Calif., Mill Valley — Aug. 4, by City Trustees, rein.-con. bridges to replace ones washed out by storm. To exceed $25,000. J. C. Oglesby, Cheda Blk., San Rafael, engr. Noted July 9.

Calif., Oakland—Aug. 3, by Supervs. Alameda Co., concrete bridge over San Lorenzo Creek, on Hazel Ave. $32,000. G. A. Posey, Oakland, co. surv.

BIDS RECEIVED

O., Cincinnati—City, remodeling by placing new steel on 9 span, 900 ft. old bridge at 8th St., from Foley Constr. Co., Bondinot Ave., $48,500. Engrs. est. $62,712. Noted June 4.

Calif., Salinas—Monterey Co., rein.-con. bridge over Arroyo Seco River, from A. W. Kitchen, 110 Market St., San Francisco, $57,265.

Calif., San Jose—City, rein.-con. bridge over Coyote Creek, on Williams St., from Noble Bros., Visalia, $33,899.

CONTRACTS AWARDED

Pa., Dravosburg — Allegheny Co. (Pittsburgh), rebuilding floor system of bridge over Monongahela River, here, to Neold Constr. Co., Oliver Bldg., Pittsburgh, $30,-650. Engrs. est. $30,000.

Fla., Tampa — City Comn., viaduct over railroad tracks at Lafayette St., to Roberts Supply Co., 419-21 Opera Block, Lima, O., $270,966.

Alabama—State Hy. Comn., Montgomery, 1,800 ft. concrete bridge with 200 ft. steel draw span for steamboats, on Bee Line Highway at Decatur, Morgan and Limestone Counties, to Koss Constr. Co., Ft. Des Moines St., Des Moines, Ia., $343,160. Engrs. est. $350,000. Noted June 18.

Alabama—State Hy. Dept. Montgomery, steel and rein.-con. bridge, on Thompsonville-Grove Hill Rd., State Project 21-B, Clarke Co., to Lamb & McLemore, Eutaw, $42,833. Noted June 4.

Alabama—State Hy. Dept., Montgomery, several small bridges on Grovehill-Thomasville Rd., Clark Co., to Lamb & McLemore, Eutaw, $42,833; on Opelika-La Fayette Rd., Lee and Chambers Counties, to McCoy & Garrett, Montgomery, $19,136. Noted June 4.

La., Oberlin—See "Streets and Roads."

Wis., Milwaukee—F. Schumacher, secy. Park Bd., City Hall completing rein.-con. bridge and runways, at Mason St., to Bentley Bros., 808 South Pierce St., $294,-764. Noted June 25.

Missouri—State Hy. Dept., Jefferson City, one 35 ft. and two 30 ft. rein.-con. deck girder spans, etc. over Chicago, Burlington & Quincy R.R. tracks, also three 45 ft. rein.-con. deck girder spans, etc. over middle fork Chariton River, both Macon Co., to M. Haase, St. Joseph, $7,723 and $9,450 respectively; one 40 ft. rein.-con. deck girder span, etc. over Grindstone Creek, DeKalb Co., to Metropolitan Paving Co., St. Joseph, $6,549; two 40 ft. rein.-con. deck girder spans, etc. over Hogard Creek, and three 80 ft. rein.-con. arch spans, etc. over Barren Fork, both in Ozark Co., to Republic Concrete Constr. Co., Republic, $5,300 and $17,975 respectively; three 80 ft. rein.-con. arch spans, etc. over Sinking Creek, Shannon Co., to Public Wks. Constr. Co., Century Bldg., St. Louis, $33,480; five 110 ft. rein.-con. arch spans, etc. over Meramec River, and six 20 ft. rein.-con. slab spans, etc. over Yadkin River, both in Crawford Co., to Littrell & Sprague, Wichita, Kan., $52,302 and $7,224 respectively; two 12 ft. rein.-con. slab, etc. over Midway Creek, Barton Co., to Koss Constr. Co., Ft. Des Moines, Des Moines, Ia., $3,274; one 55 ft. steel truss span, etc. over Chicago, Rock Island & Pacific R.R. tracks, Franklin Co., to Fluekigar & Jacobs, Union, $5,530. Grand total $148,806. Noted July 16.

Arkansas—State Hy. Dept., Little Rock, one 75 ft. and two 70 ft. concrete arch span bridges, also three 30 ft. I-beam and girder bridges, over Frog Bayou, Federal Aid Project 216-B, to Luten Bridge Co., Mercantile Bldg., Knoxville, Tenn.; steel and concrete bridge over L'Anguilla River, near Marianna, to Vincennes Bridge Co., Vincennes, Ind., $28,783; steel and concrete bridge on Mana-DuQueen Rd., to A. C. Higginbottom, Mena, $7,537; 2 steel and concrete bridges over Fourche River, near Boles, to Boardman Co., West Maple St., Oklahoma City, Okla., $48,929. Noted June 18.

Tex., Alpine—See "Streets and Roads."

Tex., Cameron—See "Streets and Roads."

Tex., Cotulla — La Salle Co., G. A. Welhausen, judge, steel span and timber piling bridge across Nueces River, to Austin Bridge Co., 1815 Clarence St., Dallas, $28,663. Noted July 16.

Tex., San Antonio—San Antonio Public Service Co., will build steel bridge across San Pedro Creek on Nogalitos St. by day labor. $30,000. Private plans.

California — State Hy. Comn., Forum Bldg., Sacramento, 5 x 5 ft. rein.-con. box culvert opening 94 ft. long with wing walls, at Fall Creek, rein.-con. girder bridge, 24 ft. wide, across High Bridge Creek, 45 ft. rein.-con. box culvert 5 x 5 ft. opening with retaining wall and wing walls, at Cleveland Dam, all in Santa Cruz Co., to A. J. and W. A. Wilson Co., St. Helena, $13,004. Engrs. est. $13,809. Noted June 4.

Calif., Los Angeles — City, bridge over Los Angeles River, at South Sherman Way, to W. R. Fontain, San Fernando Bldg., $39,465.

Calif., Los Angeles—To DeWaard & Son, Granger Bldg., San Diego, Universal City, Bridge over Los Angeles River, on Lankershim Blvd., 535 cu.yd. Class "A" concrete at $0.22 per cu.yd., 450 cu.yd. Class "C"

Bridges (Continued)

concrete $0.20, 2,700 lin.ft. piling $1.50, etc., total $31,750.

Ont., Toronto—Substructure for 1,389 ft. concrete and steel bridge, 86 ft., at Spadina Ave., to R. Miller & Sons, Lumsden Bldg., superstructure, to Canadian Bridge Co., Walkerville.

Dams

BIDS DESIRED

Calif., Grass Valley—July 30, by A. L. Wisker, Secty. Nevada Irrigation Dist., Contr. 1, constructing North Rock Fill Dam, 170 ft. high, 720 ft. crest length, 820 cu.yd. rock excav., 27,900 cu.yd. rock derrick placed, 279,000 cu.yd. rock dumped into dam, etc.; Constr. 1A, alternative to Contr. 1, omitting spillway control structure; Contr. 2, constructing South Rock Fill Dam, 110 ft. high, 430 ft. long, 495 cu.yd. excav., 13,400 cu.yd. rock derrick placed, 105,000 cu.yd. rock dumped in dam; Contr. 2A, alternative to Contr. 2, constructing South Arch Dam, 103 ft. high, 380 ft. long, 52½ bottom width, 1,850 cu.yd. excav., 18,900 cu.yd. concrete in dam; Contr. 3, Proposal A, constructing Milton-Bowman Tunnel, 21,000 lin.ft. tunnel in rock 20,140 lin.ft. unlined tunnel, 4,000 cu.yd. solid rock excav., 7,900 cu.yd. loose rock and earth excav. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr. Noted Mar. 19.

Railways

PROPOSED WORK

Montana — Great Northern Ry. Co., St. Paul, Minn., plans extending Bainville-Scobey branch approximately 50 mi. from Scobey to Opheim in Montana. J. R. W. Davis, ch. engr. This corrects report in July 2 issue.

California—D. W. Pontius, (interested), Pacific Electric Bldg., Los Angeles, plans 15 mi. railroad from San Bernardino to Lake Arrowhead. $1,000,000.

Quebec — Canadian Natl. Ry., 230 St. James St., Montreal, plans extending line from O'Brien to Rouyn gold field. C. B. Brown, ch. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Wis., De Pere—City, c/o M. J. Maes, city clk., plans election $50,000 bonds deepening channel of Fox River and turning basin. Engineer not selected.

Mo., Kansas City—See "Sewers."

Tex., Brownsville—Cameron Co., election Aug. 21, $1,500,000 for irrigation project, flood prevention program, etc. O. C. Dancey, judge.

Tex., Sulphur Springs — Hopkins Co. Levee Impvt. Dist. 1, c/o R. M. Chaney, clk., plans levee work. $78,500. Engineer not announced.

BIDS DESIRED

N. Y., Brooklyn — July 31, by M. Cosgrove, comr. Docks, Pier A, foot Battery Pl, north River, New York City, constructing basin, dredging along easterly side of Exterior Pier, here.

Miss., Cleveland—July 30, at office W. W. Boone, engr., Cleveland, drainage canals, incl. 100,378 cu.yd. excav., etc., for D. D. 14, Bolivar Co.

Miss., Marks—July 28, by Comrs. Oxbow D. D., Quitman Co., at office Clerk of Chancery Court, 5 mi. 6 and 8 ft. bottom ditches, removing approximately 55,000 cu. ft. dirt. Southern Eng. Co., Clarksdale, engr.

Ia., Corning—July 28 (extended date), by C. T. Mercer, aud. Adams Co., 8.54 mi. drainage ditches, incl. 543,727 cu.yd. excav., etc., for Middle Nodaway D. D. 1. Noted July 9.

Neb., Falls City — July 29, by C. F. Bucholz, secy. Richardson Co. D. D. 1, 165,000 yd. earth excav. main channel at lower end of Muddy D. D. to connect with Nomaha River, two 100 ft. pony truss bridge, 16 ft. roadway, etc. To exceed $25,000. C. Shildneck, Falls City, engr.

Texas—Sept. 1, by Comrs. Wharton Co., Conservation & Reclamation Dist. 1, Wharton, cleaning out and improving approximately 14 mi. Colorado River in Wharton and Matagorda Counties. J. P. Markham, Wharton, engr.; adv. E. N.-R. July 23.

Tex., Crystal City—G. M. Jowers, engr., Crystal City, taking bids rein.-con. dam, incl. 3,000 yd. concrete, 170,000 lb. reinforcing, 10,000 yd. levee embankment, etc., for Zavalla and Dimmit Co. Irrigation Dist.

Ontario—July 24, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, dredging at Midland $58,000, Saulte Ste. Marie $61,000, and Port Arthur $75,000.

Quebec—July 24, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., dredging at River St. Francois $20,000, Rivere du Loup $18,000, and Nicolet $22,000.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, July 15 dredging Newtown Creek Canal, from J. McSpirit, Inc., 118 Wayne St., Jersey City, N. J., $20,300, Wallabout Canal from W. E. Potter, 49 Hudson St., New York City, $16,545 Gowanus Canal, from Taylor & Pearson, Inc., 65 Monticello Ave., Jersey City, N. J., $11,700; restoring public beach at Coney Island, from Arundel Corp., foot Fulton St. (1) $63,000 (2) $55,700. Noted July 9.

N. Y., Buffalo — Comn. Pub. Wks., dredging and widening Buffalo River at west side of channel, from Cleveland Eng. & Constr. Co., 778 The Arcade, Cleveland, O., lump sum where drilling and blasting is done. $146,000 and lump sum where drilling, blasting and channeling is done $181,000. Noted June 25.

CONTRACTS AWARDED

La., New Orleans—Bd. State Engineers, 213 New Court House Bldg., 800,000 cu.yd. Bayou Maringouin, Sect. 2, Iberville Parish, to Picard Constr. Co., New Orleans, $0.2423 per cu.yd.; 73,000 cu.yd. Torras Levee, Point Coupee Parish, to Lower Coast Constr. Co., Godchaux Bldg., $0.159, 15,000 cu.yd. Woodlawn Levee and 40,000 cu.yd. Bellechasse Levee to Lafourche Basin Levee Bd. $0.14 and $0.16 respectively; and 70,000 cu.yd. Acadian Point Levee, to Taylor & Cason, Woodside $0.33.

Ind., Martinsville — Morgan Co., 30 mi. ditch work in Robards Drain, to A. and F. M. Hart, Sandborn, $110,957. Engrs .est. $122,000.

Ia., Storm Lake—Buena Vista Co., 52,000 yd. excav. in Primary Project S-27, to McGuire Bros. & Lowe, Slayton, Minn., $14,652; 41,000 cu.yd. excav. in Primary Project S-29, to J. W. Lusk, Anamosa, $9,760.

Ia., Webster City—J. L. Doolittle, aud. Hamilton Co., 75,354 ft. 6- to 20-in. tile in Vandle Mattiee, D.D., to Burgardt & Jensen, Britt, $14,695. Noted June 4.

Tex., Houston—Navigation Dist., c/o H. L. Washburn, Pier 14 with creosoted landing piles and timber walkways, also rein.-con. piling capps for grain elevator conveyors, to Raymond Concrete Pile Co., 1014 Keystone Bldg., $25,700. Engrs. est. $30,000.

Streets and Roads

PROPOSED WORK

Mass., West Roxbury (Boston P. O.)—Street Layingout Dept. Boston, plans reconstructing and improving Rosindale Ave., here. $25,000. J. F. Sullivan, secy.

N. Y., Lackawanna — Plans extending Ridge Rd. to connect with Orchard Park Rd. $40,000.

W. Va., Charleston — Charleston Independent Dist. Kanawha Co. voted $200,000 bonds completing various roads. R. R. Barton, Charleston, engr. Noted July 2.

W. Va., Morgantown—Election Aug. 6, $400,000 bonds paving various streets. C. McDowell, city engr.

W. Va., Wayne—Wayne Co. election Aug. 8. $200,000 bonds constructing roads in Butler Dist. H. O. Wiles, Westmoreland, co. engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grubbing and grading 12 mi. highway from Rockingham north, Project 6610. $80,000. C. M. Upham, highway engr.

N. C., Aulander—Plans paving Main and Broad Sts. $40,000.

Alabama—State Hy. Dept., Montgomery, rejected bids July 8, grading, surfacing, etc., 1.16 mi. Brewton Rd., 20 and 26 ft., State Project 33, Escambia Co. Noted June 4.

La., Baton Rouge.— Election July 28, $50,000 bonds graveling Sub-Rd. Dist. 4.

Tennessee—Dept. Highways & Pub. Wks., and Crockett Co. (Alamo) making surveys improving 12 mi. from Alamo to Dyer Co. line. J. G. Creveling, Nashville, engr.

Tenn., Cleveland — Defeated $50,000 bonds, paving various streets. Noted June 25.

Tenn., Linden—Perry Co. plans constructing 12 mi. Meriwether Lewis Highway between Perryville and here. $25,000.

Tenn., Maryville—Blount Co. plans road from Alcoa to Knoxville Rd., also Maryville to Calderwood. $40,000 appropriated.

Tenn., McMinnville — Election Aug. 8, $75,000 bonds improving various streets.

O., Akron — Summit Co., plans macadam paving Richfield-Hudson Rd., $110,000; and improving Clinton-Coment-Hansher Rd., $56,000. R. E. Willems, Akron, engr.

O., Columbus — Making plans grading, laying necessary water services and sewer connections and paving 22,001 ft. Girard St., Parkside Rd., Camp Chase Dr., Algonquin, Letchworth, Powhattan, Sylvan, Southampton, Demorest and Deshler Aves., 24 ft., brick $549,412, asphalt $445,805; 2,997 ft. 20th Ave., 26 ft., brick $64,313, asphalt $51,476; widening 450 ft. Long St., stone block $8,344, 4 in. granite gutters $9,456, also 2,900 ft. Spring St., brick $27,563, asphalt $23,572. R. H. Simpson, city engr.

O., Richmond—Wayne Co., plans grading, etc., 3.7 mi. Wayne-Holmes Co. line Rd., $31,000; bituminous macadam paving 2.8 mi. West Salem Rd., $100,000; probably brick paving Apple Creek Impvt., $123,000.

Mich., Detroit—Made plans sheet asphalt on 8 in. concrete paving 23,500 sq.yd. Coon Ave. $103,000, 3,120 sq.yd. Ford Highway, $13,720, 290 sq.yd. Lane Ave. $1,450, 4,230 sq.yd. Tyler Ave. $19,620, 2,350 sq.yd. American Ave. $10,350, 9,710 sq.yd. Chalfonte Ave. $42,730, 6,850 sq.yd. Metzger Ave. $30,080, 8,030 sq.yd. Liddesdale Ave. $35,410, 7,950 sq.yd. Grey Ave. $35,000, 19,350 sq.yd. Connors Ave., Sect. 2 $85,280, 21,336 sq.yd. Connors Ave., 8,144 sq.yd. Gray Ave., 5,556 sq.yd. Danbury Ave., 4,120 sq.yd. Peter Smith Ave., 2,857 sq.yd. Petoskey Ave., 4,333 sq.yd. Tyler Ave., 289 sq.yd. Lane Ave., 25,760 sq.yd. Coon Ave., and 6,546 sq.yd. Metzger Ave. P. A. Fellows, city engr.

Ind., Auburn—DeKalb Co., plans grading and graveling 4.05 mi. Morr Rd., $26,000, and 4.1 mi. Duncan Rd. $26,100, both 24 ft. C. Kain, Auburn, engr.

Ind., Boonville—Warrick Co., plans grading and graveling 3.9 mi. Youngblood Rd., 24 ft., $25,083. H. Larsen, Boonville, engr.

Ind., Plymouth — Marshall Co plans grading and graveling 3.9 mi. Waltz Rd., $25,059, and 4 mi. Bellman Rd., $26,409, both 24 ft. J. Hildebrand, Plymouth, engr.

Ind., Richmond—Wayne Co., plans grading and graveling 4.7 mi. Arba Pike, 24 ft. $29,500. C. H. Horton, Richmond, engr.

Ind., Shoals—Martin Co., plans macadam paving 8,230 ft. Freeman Rd., 30 ft. $27,200. J. L. Arvin, Shoals, engr.

Ind., Valparaiso—Porter Co., plans concrete paving 0.84 mi. McCord Rd., 18 ft., $25,915, and 1.72 mi. Schofield Rd., 14 ft., $68,500; macadam paving 2.02 mi. Biggart Rd. $25,190, and 2.06 mi. Nicholson Rd., $25,940, both 24 ft. F. R. McNiece, Valparaiso, engr.

Ill., Galesburg—Plans grading, curbing, brick on concrete paving North Pearl to Losey Sts., and Warren St. from Pearl to Rio Sts., $8,866 and $27,605 respectively. A. L. Richey, City Hall, engr.

Ill., Belleville—Making preliminary plans concrete paving Southern Traction roadway from Reeb Station to Illinois St. $45,000. C. A. Heinzelman, City Hall, engr.

Ill., Marion—Williamson Co. making preliminary plans grading and hardsurfacing Sneed Highway between Herrin and here, West Marion Twp. $42,169; and road in East Marion Twp., $13,000.

Ill., Niles Center—Soon takes bids curbing, guttering and concrete surfacing 81,400 sq.yd. Oakton St. $250,000. Consoer, Older & Quinlan, Marquette Bldg., Chicago, engrs.

Ill., Peoria—Plans grading, curbing, and concrete paving 6 blocks Blaine St. between Lincoln and Oakland Aves., 26 ft. $38,205. W. E. Backes, City Hall, engr.

Ill., Peoria—Plans grading, curbing and brick paving 5 blocks Garden St., 35 ft. $40,000. W. E. Backes, City Hall, engr.

Ill., Rockford—Plans macadam or Warrenite paving portions of Kilbarn Ave., North Horsman, North Winnebago and Mulberry Sts. $66,800. B. C. Harvey, City Hall, engr.

Ia., Centerville — Making preliminary plans widening and resurfacing 10 blocks Drake St. from Maple to Sheridan St. and 18th St. from Walsh to Terry Sts., resurfacing 16th St. from Sheridan to Walsh Sts., Walsh St. from 16th to 18th Sts., 18th St. from Walsh to Cottage Sts. etc. M. G. Hall, Centerville, engr.

Minn., Minneapolis—Hennepin Co. making plans widening and repairing 15 mi. Superior Blvd. $250,000. J. W. Shaffer, co. surv.

Kan., Baldwin — Making preliminary plans grading, curbing and hardsurfacing various streets. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Kan., Lawrence — Douglas Co. making surveys approximately 45 mi. road work. H. A. Marshall, Topeka, engr.

North Dakota—State Hy. Comn., Bismarck, plans paving 1 mi. road on Red Trail, in Dickenson, $25,000; grading 12.5 mi. Westhope-Melita Rd., in Bottineau Co., $25,000.

Streets and Roads (Continued)

Missouri — State Hy. Dept., Jefferson City, rejected bids June 26, 30 ft. grading 12.763 mi. Ava—Gainesville Rd., Ozark Co. B. H. Piepmeier, state highway engr. Noted June 18.

Mo., Kansas City—Plans grading 1,000 ft. Pershing and Robert Gillham Rds., $400,000-$500,000; widening and paving Union Station Plaza, $150,000-$200,000; additions to boulevard and park systems, $10,000,000; also new traffic system, $10,000,000. Above projects are part of $38,000,000 bond issue to be submitted to voters about October 15.

Mo., Kansas City — Park Bd. making plans widening 71st St. To exceed $25,000. P. McGeehan, city engr.

Mo., St. Louis—City, (**C. B. means City Block**), making preliminary plans grading, brick or concrete paving, etc. alleys in C. B. 410, C. B. 1245, C. B. 2813, C. B. 2868 E, C. B. 2999, C. B. 3000, C. B. 3016, C. B. 3038, C. B. 3607, C. B. 4050, C. B. 4053 B, C. B. 4364, C. B. 4411 A, C. B. 4416, C. B. 4942, C. B. 4974, C. B. 5128, C. B. 5203, C. B. 5204, C. B. 5302, C. B. 5304, C. B. 5429 C, C. B. 5544 and C. B. 5688. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids widening and paving Delmar Blvd. from Taylor St. to Kingshighway, $21,000; brick paving East Virginia St. from Wilmington to Bates Sts., $22,790; asphalt paving Dale Ave. from Manchester to Kraft Sts., $46,600; Warrenite paving North and South Utah Sts. from Grand to Gustine Sts. $54,000, and Humphrey St. from Grand to Gustine Sts., $,500; asphaltic concrete paving Alfred St. from Magnolia St. north $13,600, Humphrey St. from Gustine to Russell Sts. $10,500, Humphrey St. from Russell St. to Oak Hill, $7,300 and Hi Pointe Pl. from Ethel St. to United Railways, $5,800. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—E. R. Kinsey, pres. Bd. Pub. Wks., soon takes bids grading, etc. Skinker St. from Delmar Blvd. to Olive street Rd. $27,000, and Goodfellow Rd. from McLaren St. to Hall's Ferry Rd., $40,000; also grading and concrete paving alleys in City Blocks 5121, 1562, 1570, 1645, 2729, 2760, 2997, 3686, 5364, 5429-A and B, 4602-E, 5531, 5525 and 5127, $65,960. W. W. Horner, City Hall, engr. Noted June 11.

Tex., Anson — Jones Co., election soon $100,000 bonds, hardsurfacing various streets in Sagerton Dist. J. W. Puckett, Stamford, engr.

Tex., Baird—Callahan Co. making plans grading, bridging and asphaltic macadam surfacing 5.47 mi. State Highway 1, Federal Aid Project 52-D. $40,000. T. H. Webb, Baird, engr.

Tex., Bay City—Matagorda Co., making plans grading, bridging and shell surfacing 32.4 mi. State Highway 58 and 59, from Palacious to Bay City. $50,000. E. N. Gustafson, Bay City, engr.

Tex., Boston—Bowie Co. soon takes bids grading, bridging, etc., 5.41 mi. State Highway 8 between here and Red River, 26 ft. $28,200. F. E. Hess, Boston, engr. Noted July 23.

Tex., Carthage—Panola Co. plans grading and bridging 4.11 mi. State Highway 43, Federal Aid Project 481-C. $35,000. Titus & Dillon, Carthage, engrs.

Tex., Houston — Plans asphalt paving Kipling, Mt. Vernon, Grainstark, and Carr Sts., Missouri and Sul Ross Aves. $25,000. J. C. McVea, city engr.

Tex., Huntsville — Walker Co. plans grading and bridging 18 mi. State Highway 32, Federal Aid Project 439. $160,000. D. K. Caldwell, Huntsville, engr.

Tex., Liberty — Liberty Co., soon takes bids improving State Highway 3, Sect. B, Federal Aid Project 352 $35,000, and State Highway 3, Sect. A, Federal Project 352-A, $40,000; grading and surfacing State Highway 3, Sect. C, Federal Aid Project 352, $60,000. Former bids rejected. W. C. Youngs, Dayton, engr. Noted May 28.

Tex., Memphis — Hall Co. making plans grading and rein.-con. surfacing 1.12 mi. State Highway 5, Federal Aid Project 458-F, 18 ft. $42,900. C. L. Hasie, Memphis, engr.

Tex., San Angelo—Made plans and soon takes bids permanent paving 10 blocks various streets. C. E. Starkle, city engr. Terrell Bartlett Engineers, Inc., 614 Calcasieu Bldg., San Antonio, engrs.

Tex., Stamford — Plans paving various streets. $70,000. W. J. Powell, 311 South West Life Bldg., Dallas, engr.

Tex., Stephensville—Erath Co. voted $75,000 bonds, improving highway in Dist. 5. A. P. Young, Stephensville, judge.

Tex., Sulphur — Hopkins Co. making plans grading, bridging and concrete surfacing 8.84 mi. State Highway 1, Federal Aid Project 431-C. $70,100. J. B. Rieman, Sulphur Springs, engr.

Tex., Sweetwater — Nolan Co., making plans grading, bridging and gravel surfacing 7.82 mi. State Highway 70, State Aid Project 534-C, $110,000; and 9.1 mi. State Highway 7, $170,000. J. A. Focht, Sweetwater, engr. Noted June 18.

Tex., Tahoka—Lynn Co. defeated $50,000 bonds for highway improvement. C. H. Cain, Tahoka, co. judge. Noted May 21.

Tex., Uvalde—Uvalde Co. making plans grading, bridging and concrete surfacing 18.47 mi. State Highway 3, Federal Aid Project 360-C. $117,000. M. B. Hodges, Uvalde, co. engr.

Tex., Waxahachie — Ellis Co. making plans grading, bridging, bituminous on macadam surfacing 8.81 mi. State Highway 34, Federal Aid Project 487-E, 18 ft. $340,600. W. A. Spalding, Waxahachie, engr.

Tex., Wichita Falls—Plans election $100,000 bonds paving various streets. Montgomery & Ward, Wichita Falls, engrs.

Okla., Chickasha — Plans grading and sheet asphalt paving 6,500 sq.yd. 1st St. from Iowa to Georgia Aves. $30,000. R. R. Bradley, Chickasha, engr.

Okla., Cushing—Plans grading and concrete paving 6,850 sq.yd. Maple St. $27,000. T. E. Davenport, Cushing, engr.

Okla., Guthrie—Plans grading, curbing and vertical fibre brick paving 9,200 sq.yd. various alleys, Drexel and Springer Sts. $45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hartshorne — Plans grading and concrete paving 7,150 sq.yd. Penn Ave. $27,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr.

Okla., Picher—Plans grading and graveling 17,000 sq.yd. Main St. $30,000. G. Stein, Miami, engr.

Okla., Seminole — Making preliminary plans grading, curbing and vertical fibre brick paving 8,600 sq.yd. Main St. $40,000. Engineer not selected.

Okla., Snyder—Making preliminary plans concrete paving 8,870 sq.yd. Main St. $30,000. Engineer not selected.

Okla., Vinita—Craig Co. plans election $650,000 bonds constructing about 60 mi. various streets. R. Foreman, co. clk. Noted July 9.

Nevada—State Hy. Dept., Heroes Bldg., Carson City, making plans gravel surfacing 0.7 mi. road from Wadsworth to point 0.75 mi. east Washoe Co., 10 mi. Wells-Moor Rd., and 4 in. on railroad grade separation near Silver Zone, Elko Co., 15.5 mi. road from Dutch John's to north line of Lincoln Co. 4.6 mi. road from point 9.5 mi. east of Yerington to Lyon Co. line, 7 mi. road from Connors Pass to south line of White Pine Co., 11 mi. road from north county line to Schurz, Mineral Co.; grading 5.5 mi. road from county line to Virginia City (Geiger Grade) Storey Co., $8.37 mi. road from point 5 mi. east to point 3 mi. north of Holbrook Douglas Co., and 16 mi. Hafed-Derby Rd., Washoe Co. G. W. Borden, state highway engr.

Wash., Tacoma — Making plans paving McKinley Ave. from East 40th to 64th Sts. $93,148. E. C. Manley, Tacoma, engr.

Calif., Alhambra — Making revised plans curbing, guttering, sidewalks, grading and paving 625,043 sq.ft. Main St. between Fremont Ave. and east city limits. Former bids rejected as bidders refused to sign contracts. Noted June 11.

Calif., Coronado — Made plans concrete paving 500,000 sq.ft. various alleys. T. J. Allen, city engr.

Calif., Eureka—Plans grading and 3½ in. Warrenite-bitulithic on 3½ in. asphalt paving F St., etc. To exceed $100,000. H. Hannah, city engr.

Calif., Fresno — Fresno Co. made plans improving 2 mi. Sierra-to-the-Sea Highway, Rd. Dist. 9, 193,000 cu.yd. excav., 20 ft. concrete bridge, culverts, etc. To exceed $125,000. A. Segel, Griffith-McKenzie Bldg., engr.

Calif., Oakland—Made plans improving East 14th St. between 1st and 13th Aves., 159,896 sq.ft. grading, and 156,838 sq.ft. 2 in. Warrenite-bitulithic on 6 in. concrete paving, etc. To exceed $25,000. W. W. Harmon, city engr.

Calif., Oakland — Made plans regrading and waterbound macadam paving 112,800 sq.ft. Golf Links Rd. W. W. Harmon, city engr.

Calif., Pasadena—Municipal Impvt. Dist. 5, will not improve Holly St. between Marengo and Bway. Project abandoned. Noted May 28

Calif., San Diego—Common Council plans improving 3rd St. between Grape and Laurel Sts., 137 lin.ft. concrete curbing, 688 sq.ft. concrete sidewalk, 900 sq.ft. guttering, 77,100 sq.ft. 1½ in. asphaltic concrete on 3 in. bituminous paving, etc. F. A. Rhodes, city engr.

Calif., Santa Barbara — Making plans paving Castillo St., between Carillo and 3rd Sts., etc. $75,000 or $80,000. G. D. Morrison, city engr.

Calif., Venice—City Trustees, soon take new bids 5 and 6 in. concrete and 6 in. asphalt paving Washington Blvd., Westminister Ave., etc. Former bids rejected. H. D. Chapman, city engr. Noted July 16.

Ont., Timmins—Plans asphalt and concrete paving Spruce and Cedar Sts. $40,000. H. E. Montgomery, city engr.

BIDS DESIRED

Massachusetts—July 28, by Dept. Pub. Wks., Boston, bituminous macadam paving 4,000 ft. highway in Westborough, 1,592 ft. highway in Ayer, and 9,493 ft. highway in Wrentham; rein.-con. paving 4,590 ft. highway in Taunton; bituminous concrete paving 3,950 ft. highway in Halifax, all foregoing 18 ft.; and gravel surfacing and 3 concrete bridges on 1,050 ft. highway in Conway. W. F. Williams, comr.

Connecticut—July 30, by J. A. Macdonald, comr. State Hy. Dept., Hartford, waterbound macadam paving roads in Norwich, Bozrah and Sharon; rein.-con. paving in Wethersfield, Norwich-Montville, Norwalk and Killingly; bituminous macadam paving in Stratford and Trumbull; concrete approach span and steel truss superstructure bridge, etc. in New Milford and East Windsor; 70 ft. span rein.-con. arch bridge in Putnam; adv. E. N.-R. July 23.

N. Y., Brooklyn — July 29, by J. A. Guider, boro pres., Boro Hall, grading, curbing and flagging Church Ave., Kings Highway, and 91st and 28th Sts.; paving Quentin Rd., 28th, 34th, 35th, 38th, Union, West 10th, 51st, 62nd, 72nd and 91st Sts., Marine, and 14th Aves.; curbing and grading, etc., East 34th, 35th, West 8th and 65th Sts., Rutland Rd., Rochester and 8th Aves.; resurfacing and repaving 14th Ave., Van Brunt, 22nd and 81st Sts.

N. Y., New York—July 30, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., asphalt block repaving East 163rd and 162nd Sts.; grading, curbing, sidewalks and sheet asphalt paving Radcliff and Rhinelander Aves.; sheet asphalt paving Webb Ave.; bituminous concrete paving 206th and 179th Sts.

N. Y., New York—July 30, by Park Bd. at office Dept. Parks, 64th St. and 5th Ave., repaving main road from Southern Blvd. entrance to Bronx River Parkway, also entrance and connecting roads from bridges at 200th St. and at Mosholu Parkway, in Bronx Park.

N. Y., Rye — Aug. 5, by W. H. Selzer, village clk., concrete sidewalks on Redfield St., Forest, Rye Beach, Hewlett and Dearborn Aves. J. A. Ehler, village engr.; adv. E. N.-R. July 23.

N. Y., St. George — July 28, by J. A. Lynch, pres. Richmond Boro., grading Clove Ave.; also temporary sanitary sewer in MacFarland and Crescent Aves.

N. J., Camden — Aug. 3, by State Hy. Comn., Trenton, constructing Delaware River Bridge Entrance Rd., Sect. 1 from 11th St. to Cooper River, here. H. W. Giffin, 8th and Market Sts., div. engr.; adv. E. N.-R. July 23.

Pa., Ebensburg—Aug. 7, by J. M. Hoffman, controller Cambria Co., one course rein.-con. paving 13,801 ft. road from Vintondale to Twin Rocks, 16 ft. L. R. Owen, Ebensburg, co. engr.

Pa., Mount Union — Aug. 3, by Boro Council, C. R. Gracey, secy., Municipal Bldg., curbing and paving 2,400 sq.yd. East Walnut St. D. W. Dillman, 91 Altoona Trust Bldg., Altoona, engr.

Maryland — July 28, by State Roads Comn., Baltimore, concrete paving 2 mi. Contr. M-57, Montgomery Co. J. N. Mackall, chn.; adv. E. N.-R. July 23.

West Virginia — Aug. 4, by State Hy. Comn., Charleston, bituminous macadam, asphaltic concrete, rock asphalt or concrete surfacing 4.86 mi. Projects 74, and 148-A, 4.43 mi. 148-B and C, 4.44 mi. 148-D and 4 mi. 148-E, and Kanawha Co., 5.5 mi. Project 3288 and 2.2 mi. Project 3264, both Logan Co., 2 mi. Project 3077 Brooks Co., 1 mi. Project 2067, and east side Fulton Hill, Project 2063 both Ohio Co., 8 mi. Project 3009-B and 7.5 mi. 3067 Wirt Co., 7.5 mi. Projects 3067 and 3125. Wirt and Roan Counties, 8 mi. Project 3125, and 3069 Roane Co., 11 mi. Project 148-F Roane Co., 5 mi. Project 146-B, Preston Co.; cold tar surface treating 6.8 mi. Project 3040 Fayette Co., 14.5 mi. Project 77 Greenbrier Co., 7.4 mi. Project 116, Kanawha Co., 4.6 mi. Project 3046 Monroe Co., 10.3 mi. Projects 87, 2037 and 2038, Mason Co., 10.6 mi. Projects 2044, 3060-A, 3008, 2049 and 1085, Mercer and McDowell Counties. E. B. Carskadon, secy.; adv. E. N.-R. July 23.

West Virginia—Aug. 12, by State Hy. Comn., Charleston, grading, etc., 2 mi. Bulltown-Lewis Co. line Rd., Project 3017-B, Braxton Co., $50,000, H. E. Snyder, Parkersburg, engr., 0.3 mi. Toney-Big Creek Rd., Project 3282-C, Lincoln Co., $10,000, 2.7 mi. Letart-Jackson Rd., Project 139-B, Mason Co., $40,000, and 1.5 mi. Williamson-Chattaroy Rd., Project 3303-A, Mingo Co., $40,000, H. J. Spelman, Huntington, engr. latter 3 projects, 10.5 mi. Cardin Rd.,

Streets and Roads (Continued)

Project 3047-B, Nicholas Co., $16,000, 6 mi. Elk Mountain Rd., Project 149-A, Pocahontas Co., $100,000, H. R. Anderson, Charleston, engr. for both projects, 8 mi. Hackers-Valley-Cleveland Rd., Project 3279-B, Webster Co., $160,000, G. R. Anderson, Charleston, engr.; concrete surfacing 8.3 mi. Malissa-Salt Rock Rd., Project 3155, Cabell Co., $200,000, H. J. Spelman, R. & P. Bldg., Huntington, engr., 1 mi. Main St. of Ridgeley, Project 3309, Mineral Co., $30,000, B. E. Gray, Keyser, engr., 2 mi. Buckingham-Clarksburg Rd., Project 3238-C, Upshur Co., $110,000, W. S. Downs, Morgantown, engr.; bituminous macadam surfacing 10 mi. Glenville-Lewis Co. line Rd., Projects 82 and 3100, Gilmer Co., $200,000, H. E. Snyder, Parkersburg, engr., 6.25 mi. Shady Springs-Summers Co. line Rd., Project 3052, Raleigh Co., $120,000, and 5 mi. Hinton-Jumping Branch Rd., Projects 3054 and 1067 Summers Co., $110,000, H. R. Anderson, Charleston, engr.; 5 mi. Middlebourne-West Union Rd., Project 3163, Tyler Co., $80,000, H. E. Snyder, Parkersburg, engr., 3.7 mi. Elmore-Pineville Rd., Project 3248-A, Wyoming Co., $100,000, H. R. Anderson, Charleston, engr.; oil finish macadam surfacing 4 mi. Berkley Springs-Martinsburg Rd., Project 3030-C, Morgan Co., $100,000, and 5.2 mi. Northwestern Turnpike Rd., Project 135-B, Hampshire Co., $125,000, B. E. Gray, Keyser, engr.; grading and concrete surfacing 1 mi. Landgraf Rd., Project 2048-B, McDowell Co., $60,000, H. J. Spelman, R. & P. Bldg., Huntington, engr.; concrete shoulders for Williams Fork Pike, Project 2171, Berkley Co., $70,000, B. E. Gray, Keyser, engr.; all above roads 18 ft. E. B. Carskadon, highway engr.

W. Va., Charleston—Aug. 3, by Kenawha Co. Court, B N. Moulton, clk., grading 1.5 mi. road on Two and Three-Quarter Mile Creek, Jefferson Dist.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grubbing and grading 5.9 mi. Project 671, Route 10 in Rowan Co. $40,000, 9.8 mi. Project 613, Anson Co. $65,000, 10.2 mi. Project 689, Stanley Co. $70,000, 13.4 mi. Project 612, Anson Co. $90,000, 6 mi. Project 6370, Iredell Co. $40,000, 10 mi. Project 733, Davie Co. $70,000, 16 mi. Project 542, Guilford Co. $110,000, 6.6 mi. Project 636, Gaston Co. $45,000, 6.7 mi. Project 645, Lincoln Co. $45,000, 8.1 mi. Project 6620, Richmond Co. $55,000, 7.7 mi. Project 6000, Alexander Co. $50,000. C. M. Upham, Raleigh, engr.

Fla., Arcadia—Aug. 11, by D. G. Barnett, pres. City Council, constructing streets, drains, sanitary sewers, waterworks improvements, city hall, etc. J. B. McCrary Eng. Corp., Atlanta, Ga., engrs.; adv. E. N.-R. July 23.

Alabama—Aug. 19, by State Hy. Dept., Montgomery, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, improving 0.64 mi. road in town of York, S. P. 27-C, Sumter Co., 0.4 mi. clearing and grubbing, 5,320 cu.yd. excav., 5,211 lb. reinforcing, 5,750 sq.yd. concrete, 6,740 ft. curb and gutter, 1,435 sq.yd. sidewalks, etc., $30,000; 2.85 mi. Margerum-Mississippi State Line Rd., S. P. 47-B, Colbert Co., 17.308 acres clearing and grubbing, 26,163 lb. reinforcing, 9,150 sq.yd. Bermuda sod, etc., $40,000; 10.63 mi. Evergreen-McKenzie Rd., S. P. 82, Conecuh Co., 43 acres clearing and grubbing, 126,338 cu.yd. excav. and borrow, 46,430 lb. reinforcing, 16,000 sq.yd. Bermuda sod, etc.; 16.61 mi. Birmingham-Warrior Rd., F. A. P. 149, Jefferson Co. 39.41 acres clearing and grubbing, 124,952 cu.yd. borrow, 40,084 cu.yd. rock excav., 72,200 lb. reinforcing, 40,837 sq.yd. Bermuda sod, etc., $175,000; 3.88 mi. Montgomery-Birmingham Rd., S. P. 89, Montgomery Co., 4.18 acres clearing and grubbing, 71,146 cu.yd. excav. and borrow, 8,654 lb. reinforcing, 10,000 sq.yd. Bermuda sod, etc., $40,000; 5.08 mi. Pineapple-Butler Co. line Rd., S. P. 92, Wilcox Co., 4.97 acres clearing and grubbing, 35,330 cu.yd. excav. and borrow, 12,468 lb. reinforcing, 19,765 cu.yd. sand clay surfacing, etc., also 40,488 lb. reinforcing, 33,500 lb. structural steel, and 66,948 ft. treated timber in bridges, $75,000. W. S. Keller, highway engr.

Kentucky—Aug. 24, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project)**, concrete or rock asphalt surfacing 2.42 mi. Lawrenceburg-Grafensburg Rd., 16 ft., F. A. P. 134-A, Anderson Co.; waterbound macadam, bank or river gravel surfacing 10.5 mi. Louisville-Paducah Rd., 16 ft., F. A. P. 37-A, Breckenridge Co.; grading, etc., 9.67 mi. Inez-Paintsville Rd., 24 and 28 ft., F. A. P. 139-B, Martin Co., and 1.752 mi. Inez-Paintsville Rd., 24 and 28 ft., F. A. P. 139-A, Johnson Co. E. N. Todd, highway engr.

Ohio—July 31, by Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving roads in Ashland, Athens, Belmont, Butler, Carrol, Clark, Clinton, Coshocton, Defiance, Franklin, Greene, Henry, Huron, Knox, Licking, Lorain, Lucas, Mahoning, Marion, Richland, Ross, Scioto, Seneca, Stark, Summit, Trumbull, Washington, Wayne and Wood Counties; drainage structures on 22.299 mi. roads in Belmont, Carroll, Hocking, Meigs, Seneca and Washington Counties; gravel surfacing 21.9 mi. roads in Butler, Licking and Muskingum Counties; widening 2.568 mi. roads in Stark and Wayne Counties. A. V. Donaheys, div. engr.

O., Akron — July 29, by W. F. Peters, dir. Pub. Serv., grading, curbing, laying sidewalks, sewers, boulevard lights and vitr. brick paving, etc., 8,215 sq.yd. Merriman Rd., $115,000; grading, laying sidewalks and cindering 4,600 cu.yd. Shaw Ave. et al., $48,300; grading, curbing, laying sidewalks and vitr. brick paving, etc., 2,380 sq.yd. Gridley Ave. $18,000, and 1,060 sq.yd. Warner St., $15,500. E. A. Kemmler, Delaware Bldg., engr.

O., Cincinnati — July 24, by Comrs. Hamilton Co., concrete paving 7,100 sq.yd. Cincinnati-Zanesville Rd. $25,000. E. A. Gast, Court House, engr. Noted July 16.

O., Cleveland—July 29, by City, paving East 158th St., Brackland Ave. N. E., Carlos Ave. S. W., Colonial Ave. N. E., Daniel Ave. N. E., Ferris Ave. S. E., Foreman Ave., Grovewood Ave. N. E., Iowa Ave. N. E., Indiana Ave. S. E., Ironwood Ave. N. E., Clermont Rd. N. E., Glencoe Rd. N. E., Ingleside Rd. N. E. and Jasper Rd. S. W. $250,000. R. Hoffman, City Hall, engr.

O., Cleveland — July 29, by City, paving Aiken Rd. $27,000. F. Lauder, Court House, engr.

O., Cleveland—July 29, by Cuyahoga Co., grading, curbing, guttering and waterbound macadam or penetration paving 25,660 sq.yd. Walling Rd. 3, $115,288; paving Hilliard Rd. 2, $43,000. F. Lander, Court House, engr.

O., East Liverpool—July 25, by A. G. Ellis, serv. dir., sheet asphalt paving, etc., 5,690 sq.yd. 2nd St. $25,000, and 4,577 sq.yd. Mulbery St., $30,000. J. A. George, East Liverpool, engr. Noted July 9.

O., Shaker Heights (Cleveland P. O.)—July 30, by Village, asphaltic concrete paving East 164th St. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ind., Auburn—Aug. 4, by C. Kain, engr., Auburn, graveling 4.1 mi. Duncan Rd., 24 ft., $26,100; and graveling and grading 4.05 mi. Morr Rd., $26,000, both 24 ft., for De Kalb Co.

Ind., Boonville — Aug. 4, by H. Larsen, engr., Boonville, grading and graveling 3.9 mi. Youngblood Rd., 24 ft., for Warrick Co. $25,083.

Ind., Indianapolis—July 29, by Bd. Pub. Wks., grading and wooden block, brick, asphalt or asphaltic concrete paving Ashland and Parkway Aves., Mount, Tabor and 60th Sts.; cement paving Kansas St., Central and Capitol Aves., asphaltic concrete, concrete or brick paving first alley east of Pennsylvania St., first alley east of Dorman St., first alley east of Park Ave.

Ind., Plymouth — Aug. 4, J. H. Hildebrand, engr., Plymouth, grading and graveling 3.9 mi. 24 ft. Waltz Rd., 24 ft., for Marshall Co. $25,059.

Ind., Plymouth—Aug. 4, by J. H. Hildebrand engr., Plymouth, grading and graveling 4 mi. Bellman Rd., 24 ft., for Marshall Co. $26,409.

Ind., Richmond—Aug. 3 by C. H. Horton, engr., Richmond, gravel surfacing 4.7 mi. Arba Pike, 24 ft., for Wayne Co. $29,500.

Ind., Shoals — Aug. 3, by J. L. Arvin, engr., Shoals, macadam paving 8,230 ft. Freeman Rd., 30 ft., for Martin Co. $27,200.

Ind., South Bend — July 27, by P. R. Gillin, engr. South Bend, grading and graveling 3.85 mi. Schumacher Rd., $26,276; 3.9 mi. Woodward Rd., $27,414; and 4.2 mi. Zlutz Rd., $28,922, all 24 ft., for St. Joseph Co. Noted July 16.

Ind., South Bend—July 28, by Bd. of Wks., concrete paving 0.74 mi. Brookfield St., 30 ft. $29,295. F. G. Anderson, city engr.

Ind., Valparaiso—Aug. 4, by F. R. McNiece, engr., Valparaiso, concrete paving 1.72 mi. Schofield Rd., 24 ft., for Carter Co. $68,500.

Ind., Valparaiso—Aug. 4, by F. R. McNiece, engr., Valparaiso, macadam paving 2.06 mi. Nicholson Rd. $25,940, and 2.02 mi. Biggart Rd., $25,190, both 24 ft.; also concrete paving 0.84 mi. McCord Rd., $25,915, 18 ft., for Porter Co.

Michigan—Aug. 6, by State Hy. Dept. at office Comrs. Newaygo Co., White Cloud, concrete paving 2.635 mi. Trunk Line Rd. 54-16. G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 10, by State Hy. Dept. at office Comrs. Missaukee Co., Lake City, graveling 10.486 mi. Trunk Line Rd. 74-5 A, B and C. G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 11, by State Hy. Dept. at office Comrs. Chippewa Co., Saulte Ste. Marie, graveling 12.786 mi. Federal Aid Project 189 A. G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 12, by State Hy. Dept. at office Comrs. Saginaw Co., Midland, graveling 5.509 mi. Trunk Line Rd. 18-11. G. C. Dillman, Lansing, ch. engr.

Ill., Marengo — July 28, by Bd. Local Impvts., City Hall, concrete surfacing 11,100 sq.yd. and 1,300 ft. 10 in. vitr. tile sewers in various streets. A. L. Webster, Wheaton, engr.

Wisconsin—July 29, by State Hy. Dept., at Office 5, Batavia Natl. Bank Bldg., La Crosse, improving 7.04 mi. New Lisbon-Sparta Rd., Federal Aid Project 325-B, Monroe Co., 28.54 acres each clearing and grubbing 68,027 cu.yd. earth 3,414 cu.yd. solid rock, and 13,425 cu.yd. borrow excav., 12,500 lin.ft. intercepting ditches, 8,264 cu.yd. gravel surfacing, etc. J. T. Donaghey, Madison, highway engr.

Wisconsin — July 30, at Div. Office 9, Teller Bldg., Lancaster, improving 900 lin. ft. Boscobel-Fennimore-Dubuque Rd., Federal Aid Project 376-A, Grant Co.; also 2.06 mi. Middleton-Mazomanie-Spring Green Rd., Federal Aid Project 410-A, Iowa Co., 25,569 cu.yd. earth, 700 cu.yd. loose and 1,991 cu.yd. solid rock excav., 18,355 cu.yd. borrow, 725 cu.yd. channel change, 3,860 cu.yd. shale surfacing, etc. Option on (a) entire project (b) grading only (c) shale surfacing, on latter project. J. T. Donaghey, Madison highway engr.

Wis., Fond du Lac — July 31, by G. Treleven, highway comr. Fond du Lac Co., gravel surfacing 31,600 cu.yd. Brandon-Fairwater Rd., Eldorado-Rogersville Rd., County Trunk Highways N and S. J. T. Donaghey, Madison, highway engr.

Wis., Wauwatosa—July 31, by Bd. Pub. Wks., grading and rein.-con. paving 9,080 sq.yd. Kavanaugh Pl. and Portland Ave. $25,000. J. E. Lowther, City Hall, engr.

Ia., Cedar Rapids—City, July 6, improving Greenwood, Ridgeway, Fairview and Vernon Drs., 9,630 sq.yd. asphaltic concrete surfacing and 9,630 sq.yd. asphaltic concrete resurfacing, to Ford Paving Co., 208 2nd Ave., Cedar Rapids, $22,309 and $22,844 respectively. Noted June 25.

Neb., Lincoln—July 29, by Dept. Pub. Wks. **(F. A. P. means Federal Aid Project)**, 3 in. gravel surfacing 518,900 sq.yd. F. A. P. 2-A and 2-B, 149,000 sq.yd. F. A. P. 25, 61,300 sq.yd. F. A. P. 27, 170,650 sq.yd. F. A. P. 211, 251,699 sq.yd. F. A. P. 56, also 18,055 sq.yd. F. A. P. 123, 145,760 sq.yd. F. A. P. 143-A, 145,000 sq.yd. F. A. P. 155-A, 48,200 sq.yd. F. A. P. 171-B, 143,200 sq.yd. F. A. P. 211, 251,699 sqyd. F. A P. 56, also widening bridge at Station 676:30 on same road; grading, gravel surfacing, etc., 55,700 sq.yd. F. A. P. 56-B, 39,000 sq.yd. F. A. P. 56-C, 11,400 sq.yd. F. A. P. 153-D; grading, paving, 3 in. gravel surfacing, etc., 131,430 sq.yd. F. A. P. 98-B, 135,500 sq.yd. F. A. P. 133-E; grading, paving, 3 in. gravel surfacing, bridging, etc., 50,542 sq.yd. F. A. P. 138-A; grading, bridging, etc., F. A. P. 3; paving, etc., 680 sq.yd. F. A. P. 98-E, bridging, etc., F. A. P. 237-B.

Neb., Lincoln—July 30, by Dept. Pub. Wks., **(F. A. P. means Federal Aid Project)**, grading, etc., 74,400 cu.yd. F. A. P. 14-C, and 88,500 cu.yd. F. A. P. 267-A; gravel surfacing 111,500 sq.yd. F. A. P. 5, 218,000 sq.yd. F. A. P. 22, 81,000 sq.yd. F. A. P. 23, 345,000 sq.yd. F. A. P. 29, 78,400 sq.yd. F. A. P. 50-B, 45,800 sq.yd. F. A. P. 50-D, 29,400 sq.yd. F. A. P. 139-I, 74,500 sq.yd. F. A. P. 181, 188,550 sq.yd. F. A. P. 229, 65,200 sq.yd. F. A. P. 259-A; grading, gravel surfacing, etc., 174,500 sq.yd. F. A. P. 42-B, 138,500 sq.yd. F. A. P. 58-B, 27,522 sq.yd. F. A. P. 145-B, 49,630 sq.yd. F. A. P. 216-B, 43,000 sq.yd. F. A. P. 248; grading, bridging, gravel surfacing, etc. 67,600 sq.yd. F. A. P. 143-E; bridging, grading, etc., 145,360 cu.yd. F. A. P. 205-A, 122,100 cu.yd. F. A. P. 207-B, 122,000 cu.yd. F. A. P. 222-B; grading, clay surfacing, etc., 20,100 cu.yd. F. A. P. 203-A, 45,379 cu.yd. F. A. P. 200, and 31,150 cu.yd. F. A. P. 238-A. R. L. Cochran, Lincoln, engr.

Mo., St. Louis—Aug. 11, by Dept. Pub. Serv., 208 City Hall, **(C. B. means City Block)**, grading, concrete paving, etc. various alleys in C. B. 1266, C. B. 2906, C. B. 2928, C. B. 2968, C. B. 3070, C. B. 4391 B, C. B. 5011, C. B. 5012 E, C. B. 5012 W, C. B. 5280, C. B. 5242, C. B. 5318, C. B. 5558, C. B. 5561, C. B. 5571, and C. B. 5292, also 18 ft. concrete sidewalks in various parts of city. W. W. Horner, 300 City Hall, engr.

Arkansas—July 30, by State Hy. Dept., Little Rock, improving 18.8 mi. Federal Aid Project 225-A, Union Co., 29.14 acres clearing, 21.45 acres grubbing, 100,497 cu. yd. grading, 24,014 lb. reinforcing, 93,475 cu.yd. gravel 1 mi. haul, etc. R. C. Limerick, highway engr.

Tex., Anderson—Grimes Co. taking bids concrete paving 6.15 mi. State Highway 6,

Streets and Roads (Continued)

Federal Aid Project 471-C. $90,000. O. E. Seward, Jr., Anderson, engr.

Tex., Beaumont—July 31, by R. C. Black, engr., Beaumont asphalt on concrete paving Live Oak St. and Concord Rd., for City. $35,000.

Tex., Boston—Aug. 7, by F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging, etc., 5.4 mi. New Boston-Red River Rd., State Highway 5, 26 ft., 28,725 lb. reinforcing, 13,798 ft. treated timber, etc. $28,215. F. E. Hess, New Boston, engr. Noted Apr. 30.

Tex., Uvalde — Uvalde Co., taking bids grading and bridging 8.47 mi. State Highway 3, Federal Aid Project 360-A. $117,-000. M. B. Hodges, Uvalde, engr. Noted July 23.

California—Aug. 3, by State Hy. Comn., Sacramento, concrete paving 4 mi. and asphaltic macadam paving 5.8 mi. road between Laguna Beach and Newport Beach, Orange Co.; grading and surfacing with decomposed granite, gravel or broken stone 6.9 mi. road between Holtville and East High Line Canal, Imperial Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

California—Aug. 10, by State Hy. Comn., Sacramento, grading 3.3 mi. road between Big Bear Dam and Fawnskin, San Bernardino Co.; concrete paving 1.9 mi. road between Philadelphia and Michigan Aves., in Whittier, Los Angeles Co., also concrete paving 6.3 mi. and asphaltic macadam paving 0.4 mi. road between Latigo Creek and Las Flores Canyon, both Los Angeles Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Fresno—Supervs. Fresno Co. taking bids improving Colg Creek Canyon Rd., portion of Sierra-to-the-Sea Highway, 193,-300 cu.yd. excav., one 20 ft. concrete bridge, 3,500 culverts, etc. $125,000. A. Segel, Griffith-McKenzie Bldg., engr.

Calif., Martinez — Aug. 3, by Supervs. Contra Costa Co., improving 2 mi. road near Oakley in Div. 38, 2,939 tons rock and screenings, 167,760 sq.ft. oiling. R. R. Arnold, Martinez, co. surv.

Calif., Mountain View — City Trustees taking bids grading, curbing and 1½ in. Warrenite-bitulithic on 3½ in. asphaltic concrete paving Castro St. C. C. Kennedy, Call Bldg., San Francisco, engr. Noted July 16.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, July 14, bituminous macadam paving 17,741 ft. highway in Sturbridge, and 34,300 ft. highway in Cummington, from Lane Constr. Corp., Meriden, Conn., $121,676 and $134,-887 respectively, 5,300 ft. highway in West Springfield, from Adams & Ruxton Constr. Co., 387 Main St., Sringfield, $71,791, 7,000 ft. highway in Lunenburg, from J. E. Watkins, 10 Fern Ave., Amesbury, $40,663, and 10,000 ft. highway in Dover, Walpole and Westwood, from McCabe & Giovanninni, 20 Central St., Boston, $66,701; hard pan surfacing 3,400 ft. highway in Savoy, from D. S. McGrath, Inc., Adams, $20,947. Noted July 16.

Mass., Roxbury (Boston P. O.) — Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Longwood Ave. from Huntington to Brookline Aves., here, from J. Landis, 11 Green St., Boston, $22,911. Engrs. est. $25,000. Noted July 9.

Mass., Somerville—City, street widening and underground drain in Middlesex and Mystic Sts., from J. H. Bannon, Hinckley St., $62,000. Noted July 16.

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, July 15, from G. M. Mandatto, 129 29th St., grading, curbing and flagging Bay Ridge Ave. $7,713, East 32nd St. $5,438, from C. Peconi, 570 18th St. Highview Ave. $1,898; from B. Turecamo Contg. Co., 8706 Bay 12th St. asphalt paving Bay Ridge Ave. $13,854, from M. J. O'Hara Contg. Co., 717 65th St., East 32nd St. $15,275, West 6th St. $2,927, from Brooklyn Alcatraz Co., 407 Hamilton Ave., Highland View Ave. $3,052, West 33rd St. $3,324, from Uvalde Asphalt Paving Co., 1 Bway., New York City. Williams Ave. $5,710; from Colgan & Colgan, Inc., 324 Jay St. granite block paving Flatbush Ave. $218,410. Noted July 9.

N. Y., New York — J. Miller, pres. Manhattan Boro., Municipal Bldg., July 20, grading and stone filled asphalt paving Riverside Dr. from Brusstar Constr. Co., Harlem River and 150th St., $43,754; sheet asphalt repaving Columbus Circle, from Sicilian Asphalt Paving Co., 41 Park Row, $109,536. Noted July 16.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, improving 4.16 mi. Algiers Belle Chass Highway, Orleans and Jefferson Parishes, from Highway Constr. Co., New Orleans, $32,527; 7.75 mi. Monroe-Farmersville Highway, Union Parish, from Clarke & Junkin, Thomastown, $82,299; 6 mi. St. Francisville-Clinton Highway, East Feliciana Parish, and 2 mi. Many Zwolle Highway, from J. H. Reeves, Pearson, $32,222 and $16,927 respectively.

Ky., Louisville — City, July 3, from Andrews Sheet Asphalt Co., Rentchler Bldg., Hamilton, O., improving Washington St. $5,719, Wapping St. $9,679, West Main St. $22,792, Bway. $2,761, Shelby St. $26,-566, Murray St. $6,994, High St. $7,795, Steel St. $3,389, Conway St. $15,373, Todd St. $11,914, Benson Ave. $5,017, from Gradison Constr. Co., Midland Trail $152,-482, and St. Clair St. $4,713.

O., Akron—W. F. Peters, dir. Pub. Serv., July 2, (e. e. means engrs. est.) from Columbus Asphalt Paving Co., 304 Buckeye Bldg., improving Damon St., 37,000 sq.yd. vitr. brick, 2,525 lin.ft. stone curbing, 10,-900 sq.ft. 4 in. concrete sidewalks, 3,200 cu. yd. earth excav., $22,164 e. e. $30,200, Madison Ave., 6,440 sq.yd. vitr. brick, 4,300 lin.ft. stone curbing, 23,400 sq.ft. 4 in. concrete sidewalks, 5,800 cu.yd. earth excav., $40,320 e. e. $54,200, 6th Ave., 1,700 sq.yd. vitr. brick, 900 lin.ft. stone curbing, 3,150 lin.ft. 4 in. concrete sidewalks 1,200 cu.yd. earth excav., $8,946 e. e. $11,800; from T. E. Shaffrey Constr. Co., 173 South Forge St., Greenwood Ave., 7,070 sq.yd. vitr. brick, 4,450 lin.ft. stone curbing, 24,800 sq.ft. 4 in. concrete sidewalks, 3,500 cu.yd. earth excav., $56,636, e. e. $53,000; from McCourt Constr. Co., 369 South Main St., Cranz Pl., 1,175 sq.yd. vitr. brick, 1,150 lin.ft. stone curbing, 1,200 sq.ft. 4 in. concrete sidewalks, 740 cu.yd. earth excav., $7,066, e. e. $9,500; from Central Associated Realty Co., 403 Ohio Bldg., grading and vitr. brick paving 920 sq.yd. Albion Ave., $3,141, e. e. $4,300. Noted June 18.

O., Cleveland—City, July 8, paving with (a) asphalt (b) brick (1) East 144th St. (2) East 146th St. (3) West 80th St. (4) West 99th St. (5) West 155th St. (6) West 158th St. (1 to 6 inclusive) involves 32,950 sq.yd. sheet asphalt, 20,150 lin.ft. stone curbing, 22,840 lin.ft. 4 in. drain tile gutter, 18,690 cu.yd. earth excav. (7) Forest Court (8) Lucknow Ave. (9) Mapleside Ave. (10) Methyl Ave. (11) East 43rd St. (12) East 143rd St. (13) East 129th St. (14) West 136th St. (7 to 14 inclusive) involves 33,420 sq.yd. sheet asphalt, 16,180 lin.ft. stone curbing, 17,530 lin.ft. 4 in. drain tile gutter, and 17,710 cu.yd. earth excav. (15) West 195th and 106th Sts., 23,-200 sq.yd. vitr. brick or sheet asphalt, 9,700 lin.ft. stone curbing, 10,000 lin.ft. 4 in. drain tile gutter, 15,000 cu.yd. earth excav., from Garland Bros., 5806 Franklin Ave., (a1) $64,469 (a2) $38,363 (b2) $38,437 (a12) $34,696 (a13) $52,640; from Highway Constr. Co., West 112th St. and Madison Ave., (b1) $61,452 (b2) $38,437 (b12) $34,755 (b13) $53,575; from Baldwin Bros., 4500 Euclid Ave., (a3) $27,500 (b3) $31,027 (a4) $4,545; from W. E. McHugh, West 73rd St., and Wheeling & Lake Erie R.R. tracks, (a5) $6,012; from Fischer & Williams, Superior Rd., (a6) $47,425 (b6) $55,-195; from Enterprise Paving & Constr. Co., 8444 Bway., (a7) $3,194 (a11) $23,223; from Gould & Maybach, 16311 Saranec Rd., (a8) $25,500 (b8) $28,875; from Rieley Bros., The Arcade, (a9) $5,088 (a10) $15,-362 (b10) $18,160; from Roehl Bros., 7002 Denison Ave., (a14) $14,741 (b14) $16,726 (a15) $165,613 (b15) $162,133. Noted July 2.

O., Cleveland—Cuyahoga Co., improving Bliss Rd., 26,500 lin.ft. granite curbing, 26,-500 lin.ft. 4 in. drain tile gutter, 45,460 sq. yd. (a) vitr. brick or (b) sheet asphalt on concrete paving, etc., from Cleveland Trinidad Paving Co., The Arcade, (a) $270,550 (b) $269,642; West Lake Rd., 3,430 lin.ft. stone curbing, 3,430 lin.ft. 4 in. drain tile gutter, 17,500 cu.yd. earth excav., 9,900 sq.yd. vitr. brick paving, from Ohio Eng. Co., Lorain, $66,737, engrs. est. $72,300.

O., Cleveland — Cuyahoga Co., paving, etc. 30,340 sq.yd. Cedar Rd. 4, from Ohio Contg. Co., Hunkin-Conkey Bldg., sheet asphalt $183,892, brick $200,567. Engrs. est. $233,500. Noted July 2.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., sheet asphalt on 8 in. concrete paving 5,217 sq.yd. Algonquin Ave., Sect. 1 $22,577, 4,435 sq.yd. Algonquin Ave. Sect. 2 $19,192, 27,563 sq.yd. Wyoming Ave. Sect. 4 $107,179, 3,471 sq.yd. Putnam Ave. $16,432, 1,481 sq.yd. Burlingame Ave $6,738; from M. R. Hanna Co., 1636 Dime Bank Bldg., 2,261 sq.yd. Shields Ave. $10,171, 7,851 sq.yd. Mackay Ave. $33,156; from Cooke Asphalt Paving Co., 1260 Penobscot Bldg., 19,551 sq.yd. Connors Ave., Sect. 3, $74,905. Noted July 9.

Wis., Milwaukee—Dept. Pub. Wks., July 7, asphalt repaving Jackson St. from Oneida to Ogden Aves., from White Constr. Co., 68 Wisconsin St. $24,772, Cedar St. from 13th to 16th Sts. and Cedar St. from 18th to 24th Sts., from Badger Constr. Co., 97 Wisconsin St., $9,444 and $16,504 respectively; July 8, concrete paving 4 alleys, from C. H. Slattery, 584 71st Ave., $15,005, one alley each, from F. Hilderbrand, 1042 23rd Ave. $1,340, from Parkinson Constr. Co., 322 27th St. $4,045, from Bodemann Constr. Co., 691 48th St. $3,846; from Bluhm & Son, 1298 Achilles Pl., $11,968.

Wis., Milwaukee—Dept. Pub. Wks., July 9, concrete paving 3 alleys, from Bodemann Constr. Co., 691 48th St., $15,979; one alley each, from N. Harris, 417 Juneau Pl., $1,461, from C. H. Slattery, 584 71st Ave., $3,764; concrete paving one alley and sandstone block paving south side Clybourn St. from 5th to 6th Sts., from J. C. Bluhm & Son, 1298 Achilles Pl., $3,810 and $5,545 respectively; 8 in. vibrolithic concrete paving Oklahoma Ave. from 5th to 11th Aves., from F. W. Blodgett, Inc., 521 Newton Ave., $44,920.

Tex., Seguin — Guadalupe Co., widening and increasing depth of gravel base and surfacing with 1 in. rock asphalt 5.13 mi. State Highway 3, Federal Aid Project 35-B, from P. Schriwer, Seguin, $41,436.

Oklahoma — State Hy. Dept., Oklahoma City, July 14, asphaltic concrete surfacing 81,860 sq.yd. Durant-Colbert Rd., Bryan Co., from Amiesite Asphalt Co., 930 Corinth St., Dallas, Tex., $73,892. Engrs. est. $75,000. Noted July 9.

Okla., Covington—Grading and vertical fire brick paving 14,860 sq.yd. C and Main Sts., from Highway Constr. Co., Cosden Bldg., Tulsa, $60,977. Engrs. est. $64,878.

Colorado — State Hy. Dept., Denver, paving Federal Aid Project 283 B, Larimer Co., from C. C. Madsen Constr. Co., 485 Williams St., $168,836, engrs. est. $206,842; graveling Federal Aid Project 262-E, Huerfano Co., from Pople Bros. Constr. Co., 748 West Main St., Trinidad, $24,979, engrs. est. $37,045.

Wash., Longview—City Council, paving 14 blocks L. I. D. 3, Central Manufacturing Dist., also 1.75 mi. gravel surfacing, etc. and 10 mi. sidewalks in L. I. D. 5, Olympic Addition, from Olympic Constr. Co., 1326 Northlake Ave., Seattle, $79,137 and $181,-698 respectively. Engrs. est. $90,684 and $198,764.

Calif., Berkeley — City Council curbing, guttering, and 6 in. concrete paving Arlington Ave., from Kaiser Paving Co., Amer. Bank Bldg., Oakland, $98,119. Noted July 9.

Calif., Los Angeles—From Griffith Co., 502 Los Angeles Ry. Bldg., improving alleys west of Carolina St., 12,400 sq.ft. 5 in. concrete paving, etc., at $0.19 per sq.ft., total $3,831, 2,120 ft. Courtney Ave., 182 lin.ft. curbing at $0.65 per lin.ft., 200 sq.ft. guttering $0.28, 1,506 cu.yd. excav. $2,300, 63,627 sq.ft. 2 in. sheet asphalt $0.30, 63,-627 sq.ft. 6 in. Warrenite bitulithic paving $0.14, total $21,956, 59th St., 3,594 lin.ft. curbing $0.65, 9,000 sq.ft. guttering $0.23, 10,499 sq.ft. sidewalks $0.175, 4,490 cu.yd. excav. $4,200, 141,352 sq.ft. 1½ in. asphalt on 3½ concrete paving $0.218, total $438,-221; from J. Martin, 789 Logan St., 5,000 ft. Whitsett Ave., 105 lin.ft. curbing $0.75, 15,481 cu.yd. excav. $6,000, 166,506 sq.ft. 8 in. concrete paving $0.21 total $64,972, 1,200 lin.ft. Rita St., 3,404 cu.yd. excav. $1,500, 35,068 sq.yd. concrete base $0.15, total $6,760, Redesdale Ave. and Moreno St., 17,600 cu.yd. excav. $0.37, 112,450 sq.ft. 6 in. concrete paving $0.17, etc., total $26,-503; from G. H. Oswald, 366 East 58th St., 2,500 ft. Normandie Ave. between Florence and 83rd Sts., 4,957 lin.ft. curbing $0.45, 570 sq.ft. guttering $0.25, 23,949 sq. ft. sidewalks $0.14, 17,047 cu.yd. excav. $7,000, 4,678 sq.ft. 8 in. concrete paving $0.22, and 167,127 sq.ft. 6 in. concrete paving $0.17, total $50,106; from C. R. Snow, 880 West Knoll Dr., Hollywood, Edgecliff Dr., 847 lin.ft. curbing $0.60, 100 sq.ft. guttering $0.28, 1,296 sq.ft. sidewalks $0.19, 2,096 cu.yd. excav. $1,350, 13,678 sq.ft. 5 in. concrete paving $0.18, total $5,698; from Chambers & Ford, H. W. Hellman Bldg., Woodman Ave. between Sherman Way and Ventura Blvd., grading $2,880, 147,847 sq.ft. 6 in. concrete paving $0.175, rein.-con. bridge $22,343, etc., total $51,910, Victory Blvd. between Kestor and Balboa Aves., grading $2,000, 265,915 sq.ft. 6 in. concrete paving $0.164, rein.-con. culvert $2,500, etc., total $48,140.

Calif., Los Angeles — Los Angeles Co., from G. H. Oswald, 366 East 58th St., improving Downey Rd. between Anaheim Telegraph Rd. and Noakes St. (Co. Rd. Impvt. 410), 13,921 cu.yd. excav. $0.45 per cu.yd., 58,313 ft. curbing at $0.87, 114,881 sq.ft. 5 in. guttering $0.18, 9,103 sq.ft. 8 in. guttering $0.18, 898,186 sq.ft. oil and screenings $0.29, total $106,675.

Calif., Merced—Merced Co., 5½ in. asphaltic oil macadam surfacing 1⅙ mi. Stevinson-Hillmar Sect., Rd. Dist. 8, from Granite Constr. Co., Watsonville, $209,888.

Calif., Napa—Napa Co., improving 2.53 mi. Silverado Trail between Little Trancas

Streets and Roads (Continued)

Bridge and Soda Canyon School, 4,300 cu. yd. excav., 3,300 cu.yd. concrete paving, etc. from T. M. Burns, 2207 N St., Sacramento, $28,945.

Calif., San Rafael—Curbing, guttering, sidewalks, 1½ in. Durite asphaltic concrete on 2½ in. asphaltic concrete paving 89,435 ft. Eva St., Picnic and Glenn Aves., etc., from Raisch Impvt. Co., 46 Kearny St., San Francisco, $66,548.

Calif., San Rafael—Marin Co., grading, curbing, guttering, and asphaltic concrete paving roads in Dist. 2, near Fairfax, from Pacific States Constr. Co., Call Bldg., San Francisco, $99,109.

Calif., South San Francisco—From C. W. Cushing, 2005 Roosevelt Way, Richmond, 6,500 cu.yd. grading at $0.60 per cu.yd., 147,000 sq.yd. 5 in. concrete paving $0.19, 16,500 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete $0.24, 1,200 lin.ft. curbing $0.16, 5,600 sq.ft. sidewalks $0.16, total $37,706.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 1,485 ft. highway in North Andover, to M. McDonough, Humphrey St., Swampscott $9,129, 5,207 ft. highway in Dracut, to G. O. Allen, Dracut, $22,657; bituminous concrete surfacing 6,438 ft. highway in Nantucket, to M. F. Roache, 355 Spring St., Bridgewater, $27,175; rein.-con. bridge and bituminous macadam paving 2,351 ft. highway in Harvard, to R. E. Bull, 151 Harrison Ave., Fitchburg, $24,633; steel bridge and gravel surfacing 3,400 ft. highway in Tolland and Sandisfield, to C. B. Lindholm, 24 Norton St., Pittsfield, $64,277. Grand total $147,869. Noted July 16.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 5,600 ft. highway in Wayland, to Middlesex Constr. Co., Framingham, $27,858. Noted July 9.

New York—R. K. Fuller, comr. Canals & Waterways, Albany, constructing pavements and completing approaches of bridge across Mohawk River between Schenectady and Scotia, Contr. 4, to J. W. Holler, Inc., Ft. Edward, $215,641. Noted July 2.

Pennsylvania — Dept. Hys., Harrisburg, grading and rein.-con. paving 19,920 sq.yd. Route 20, Old Lycoming Loyalsock Twp. Rd., Lycoming Co., to A. W. Hinaman, Somerset, $100,632; grading and concrete paving 52,100 sq.yd. Application 2696, Upper-Lower Pottsgrove-New Hanover Twp. Rd., Montgomery Co., to Souder Constr. Co., Woolworth Bldg., Lancaster, $203,231. Noted July 16.

Pennsylvania—State Dept. Hys., Harrisburg, to Johnson & Kearns, Box 193, Du Bois, improving Route 118 Bentleyville-Elsworth Baros Rd., Washington Co., 10,050 cu.yd. excav. at $1.50 per cu.yd., 13,155 sq. yd. 6 and 8 in. concrete paving $3.40 and $3.50 per sq.yd.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving 93,280 sq.yd. R. 142, Delaware and Montgomery Counties, to Ambler-Davis Co., Harrison Bldg., Phila., $411,940, 11,642 sq.yd. R. 260, Blair Co., to B. L. McKillip, Hollidaysburg, $51,975, 8,407 sq.yd. R. 149, Lebanon Co., to Juniata Co., Empire Bldg., Phila., $33,925; concrete paving 48,474 sq.yd. R. 91, Sect. 5, Venango Co., to Rockford Constr. Co., Rockford, O., $210,652; asphaltic concrete paving 21,155 sq.yd. R. 167, A. 2195, Monroe Co., to Warren Bros., Parkman Bldg., Boston, Mass., $104,707. Grand total $813,199.

Pa., Pittsburgh — Allegheny Co. **(e. e. means engrs. est.)** rein.-con. paving 4,650 ft. Squaw Run Route A, O'Hara Twp., to D. W. Challis & Sons, Inc., Sewickley, $74,981 e. e. $75,000, 8,784 ft. Baldwin Rd., Robinson Twp., to McPherson Bros., 421 Chestnut St., Sewickley, $141,333 e. e. $150,000; grading and rein.-con. paving 12,032 ft. McMurray Rd., Bethel Twp., to Matthews Bros. Constr. Co., Pittsburgh, $120,934 e. e. $125,000. Grand total $337,248. Noted July 18.

Pa., Phila.—Delaware River Bridge Joint Comn., Widener Bldg., grading, paving, etc., along Phila. approach between Delaware Ave. and 4th St. and in adjacent streets for bridge over Delaware River connecting Phila., Pa., and Camden, N. J., Contr. 23, to Mazzola & Marano Co., 739 South 7th St., $495,512. Noted June 25.

Pa., Williamsport—City Council, B. C. Houck, clk., rein.-con. paving, 6,387 lin.ft. West 4th St., 18 ft., to Union Paving Co., 30th and Locust Sts., Phila., $58,759. Noted July 9.

Md., Baltimore—Bd. Awards, grading 24,100 cu.yd. Contr. 290 OA, to Potts Co., New Amsterdam Bldg., $11,001; concrete paving 6,800 sq.yd. Contr. 292 OA, to Development & Contg. Co., Amer. Bldg., $16,783. Noted July 16.

Md., Baltimore — Bd. Awards, grading 33,000 cu. yd. Contr. 291 OA, to T. Bresnan, 2018 West North Ave., $17,490. Noted July 16.

Md., Baltimore—Bd. Awards, sheet asphalt paving Contr. 294-OAOC, to P. Flanigan & Sons, Harford Rd., $46,202; concrete paving 12,200 sq.yd. Contr. 293-OANA, to Aiello Constr. Co., 4th and Gough Sts., $33,998. Noted July 2.

W. Va., Fayetteville — T. Boone, clk. Fayette Co., oil asphalt paving 6 mi. road from Kincaid to near Robson, to Jauntolo & Co., Fayetteville, $72,808. Noted June 11.

W. Va., Philippi—Barbour Co., grading and bituminous macadam paving, etc. 3 mi. Taylors Drain Clemtown Rd., Project 9, to Marara & Albright, Albright, $67,988; 2 mi. Bear Balley Rd., Project 1, to Williams & Rhoades, Elkins, $44,321; and 4 mi. Phillippi Rd., Project 10, to J. L. Holbert & Sons, Shinnston, $100,445. Grand total $212,754. Noted June 18.

N. C., Beaufort — Bd. Comrs. Carteret Co., hardsurfacing 12 mi. various roads, to Simmons & Co., c/o owner, Beaufort, about $250,000.

Alabama—State Hy. Comn., Montgomery, bituminous concrete surfacing 0.9 mi. Madison Ave., in Capital Heights, suburb of Montgomery, Montgomery Co., to Hodgson & Jones, 1st Natl. Bank Bldg., Montgomery, $58,558. Engrs. est. $59,000.

Alabama—State Hy. Dept., Montgomery, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading and gravel surfacing 6 mi. Thompsonville-Marengo Co. line Rd., 18 and 26 ft., S. A. P. 21-B, and gravel surfacing 16.25 mi. Grove Hill-Thompsonville Rd., 18 ft., both Clark Co., to Newell Constr. Co., 3828 Ave. A, Birmingham, $130,000 and $243,341 respectively; gravel surfacing 22 mi. Opelika-Lafayette Rd., 18 ft., S. A. P. 9, Lee and Chambers Counties, to J. W. Gwin, Hamilton Sta., Ensley, Birmingham, $232,733, 5.5 mi. Alexander City-Kellyton Rd., 18 ft., S. A. P. 28, Tallapoosa Co., to T. B. Turner, Columbiana, $79,848; grading and concrete surfacing 11.5 mi. Mobile-Theodore Rd., 18 ft., F. A. P. 146-C, Mobile Co., to J. Fromherz, Title Guarantee Bldg., New Orleans, La., $217,051; grading and bituminous concrete surfacing 0.969 mi. Madison Ave.-Capitol Heights Rd., 18 and 26 ft., S. A. P. 91, Montgomery Co., to Hodgson & Jones, 1st Natl. Bank Bldg., Montgomery. Noted June 4.

Ala., Decatur — Asphalt resurfacing 15 blocks Ferry, Lee, Bank, Railroad, Vine, LaFayette and Church Sts., 25, 40 and 60 ft., to Independent Paving Co., Amer. Trust Bldg., Birmingham, $25,000.

Miss., Corinth—J. A. Lowe, mayor and Bd. Aldermen, grading, curbing and sheet asphalt paving approximately 36,900 sq.yd. various streets, to Carey-Reed Co., 634 West 2nd St., Lexington, Ky., approximately $106,000. Noted June 11.

La., New Orleans—Temporary surfacing with natural sand clay gravel 875 ft. Barataria St., 1,656 ft. Harding Pl., and 5,537 ft. Moss St., to E. J. Deas Co., Inc., Shreveport; shell surface with cinder blanket course 4,393 ft. Behrman St., 8,609 ft. Belleville St., 2,558 ft. Bermuda St., 3,632 ft. Bruxelles St., 1,280 ft. Duplessis St., 3,268 ft. Elmira St., 1,919 ft. Gibson (Madison) St., 1,920 ft. La Freniere St., 1,279 ft. Lavergne St., 2,954 ft. Lizardi St., 6,673 ft. Milton St., 5,626 ft. Numa St., 2,099 ft. Park Blvd., 3,429 ft. Rousselin St., and 4,284 ft. Sumner St., to J. O. Chisolm & Co., 4126 Banks St.; washed gravel and binder surface with sand blanket course 4,646 ft. Belfort St., 7,765 ft. Casa Calvo St., 10,448 ft. Delery St., 9,325 ft. Jena St., 2,432 ft. Paris Ave., and 10,642 ft. Vernon (Flood) St., to O'Reilly Eng. Co., Inc., New Orleans, 9,165 ft. Farragut St., and 3,145 ft. LePage St., to W. E. Geren, New Orleans, 30,850 ft. Moss St., to W. H. Bond & Bros., New Orleans; subsurface work on Audubon Blvd., Claiborne Ave. S. from South Carrollton Ave. to Calhoun St., Claiborne Ave. S. from Calhoun St. to Napoleon Ave., and Claiborne Ave. S. from Napoleon to Louisiana Aves., Genl. Pershing, Johnson, Marengo, Melpomene, Robertson, St. Andrew, 2nd and Valence Sts., to Fresh & Oliveira, New Orleans, Bouny St., to M. Mitchell & Sons, New Orleans, Claiborne Ave. S. from Protection Levee to North Carrollton Ave., and St. Bernard Ave. extension, to E. J. Deas Co., Inc., Shreveport, Franklin Ave., Poydras St. from South Claiborne Ave. to Bertrand St., Poydras St. from Bertrand to South Rocheblave Sts., Robertson St. N., and St. Bernard Ave. from North Broad to Abundance Sts., to J. O. Chisolm Co., New Orleans, St. Bernard Ave. from North Claiborne Ave. to St. Claude St., to A. P. Boh & Co., 417 Baronne St.; Warrenite bitulithic paving 12,900 sq. yd. Claiborne Ave. S. from Protection Levee to North Carrollton Ave., 28,190 sq.yd. Claiborne Ave. S. from South Carrollton Ave. to Calhoun St., and 12,270 sq.yd. St. Bernard Ave., to Craven & Lang, Carondelet Bldg.; bituminous concrete paving 9,640 sq. yd. Audubon Blvd. Uvalde rock asphalt paving 3,220 sq.yd. Bouny St., 23,230 sq. yd. Franklin Ave., 18,560 sq.yd. Marengo St., 950 sq.yd. Robertson St. N., 2,610 sq. yd. Robertson St. S., 930 sq.yd. St. Andrew St., 5,190 sq.yd. 2nd St., 12,130 sq.yd. Valence St., sheet asphalt paving 29,120 sq. yd. Claiborne Ave. S. from Calhoun St. to Napoleon Ave., 13,000 sq.yd. Claiborne Ave. S. from Napoleon to Louisiana Aves., oil asphalt paving 830 sq.yd. Genl. Pershing St., rein.-con. paving 2,610 sq.yd. Johnson St., vitr. brick paving 18,500 sq.yd. Melpomene St., 2,640 sq.yd. Poydras St. from South Claiborne Ave. to Bertrand St., 11,650 sq.yd. Poydras St. from Bertrand to South Rocheblave Sts., 10,400 sq.yd. St. Bernard Ave., and 1,310 sq.yd. St. Bernard Ave. extension, to E. J. Deas Co, Inc., Shreveport.

La., Oberlin—Allen Parish Jury, grading and graveling, etc., 11.47 mi. various streets in 4th Ward, to Byrd & Clopton, Oberlin, $39,912; bridges, to J. A. Hanchey, Oberlin, $20,802.

O., Akron — Summit Co., **(e. e. means engrs. est.)** grading and slag paving, etc. 2.73 mi. Monroe Falls-Kent Rd., to V. B. Proehl, Ravenna, $25,605 e. e. $27,000; grading, curbing and bituminous macadam paving 17,200 sq.yd. Cuyahoga Falls-Magadore Rd., and 6,000 sq.yd. South Main St., to McCourt Constr. Co., 369 South Main St., $63,848 and $24,224 respectively e. e. $74,000 and $26,400 respectively. Grand total $113,663. Noted July 16.

O., Canton—City, **(e. e. means engrs. est.)** repressed brick paving 2nd St., and grading and sidewalks, etc. on Dewey Pl. N. W., to Garaux Bros. Co., 415 9th St. S. W., $51,260 and $26,372 respectively, e. e. $50,000 and $25,000 respectively; asphalt paving Dewalt Ave. S. W., to General Asphalt Paving Co., 312 3rd St. N. W., $47,263, e. e. $50,000. Grand total $124,895. Noted Mar. 12.

O., Cleveland — To Cleveland Trinidad Paving Co., The Arcade, improving Willowdale Ave. $35,819, East 65th St. $103,213, West 3rd St. $90,095. Work involves 113,070 sq.yd. asphaltic ocncrete, 3,050 lin.ft. stone curbing, 3,150 lin.ft. 4 in. drain tile gutter and 3,900 cu.yd. earth excav.

O., Columbus — W. H. Duffy, dir. Pub. Serv., to Yale Ave. Constr. Co., 146 Yale Ave., grading, laying necessary water services and sewer connections, and concrete paving 386 ft. alley north Dodridge St. $2,240, 250 ft. alley north King Ave., $1,466; to R. G. Dienst, 480 South 5th St., 492 ft. alley west Ebner St. $2,343, 337 ft. alley west High St. $1,942, brick paving 698 ft. Wager St., $14,123; to A. W. Burns Constr. Co., 316 South High St., trinidad asphalt paving, etc. 1,483 ft. Westmoor Ave., $22,887. Grand total $45,001.

O., Columbus — C. C. Lattimer, surv. Franklin Co., paving 3,467 ft. Chesterfield Rd., 26 ft., to L. L. Aller, Worthington, $57,088.

O., Euclid — Asphaltic concrete paving East 265th St. and Arms Ave., to F. B. Stein, Euclid, $28,507. Noted July 2.

Ind., Hartford City—Blackford Co., asphalt paving 3.8 mi. Chestnut St. Rd., 24 ft., and concrete paving 1.6 mi. Walnut St. Rd., 18 ft., to Emulsified Asphalt Co., Hume-Mansur Bldg., Indianapolis, $84,125 and $33,434 respectively. Engrs. est. $92,000 and $35,000 respectively.

Michigan — State Hy. Dept. at office Comrs. Ottawa Co., Grand Haven, concrete paving 4,000 ft. Ferrysburg Spring Lake Rd., to Charlevoix Abstract & Eng. Co., Charlevoix, $60,000.

Michigan — State Hy. Dept., at office Comrs. Saginaw Co., Saginaw, graveling 3.5 mi. County Assessment Dist. 95, to T. McNally, Saginaw, $25,899.

Mich., Port Huron — E. C. Fitzpatrick, city clk., concrete paving 13th St., to J. H. Baker & Sons, Port Huron, $68,844. Noted June 11.

Michigan — State Hy. Dept. at office Comrs. Menominee Co., Menominee, graveling 14 mi. county road through village of Carney, to Kayser, Kaczmanzyk & Dolsky, Daggett, $75,589.

Mich., Detroit—To Bishop & Weir, 1305 Lafayette Bldg., concrete paving 3,100 sq. yd. Alley 2322 $7,986, 3,730 sq.yd. Alley 2323 $8,336; to R. J. Powelson Co., 6530 Epworth Blvd., 3,275 sq.yd. Alley 2324 $5,823, 1,570 sq.yd. Alley 2328 $3,763; to Otis Cement Constr. Co., 806 Hammond Bldg., 825 sq.yd. Alley 2325 $2,086, 650 sq.

Streets and Roads (Continued)

yd. Alley 2326 $1,697, 695 sq.yd. Alley 2329 $1,690, 637 sq.yd. Alley 2330 $1,714, 593 sq.yd. Alley 2331 $1,501, 488 sq.yd. Alley 2332 $1,195, 467 sq.yd. Alley 2333 $1,180.

Ill., Astoria — Local Impvts., grading, curbing and rein.-con. surfacing 21,158 sq. yd. Main St., etc., to Keokuk Quarry & Constr. Co., Keokuk, Ia., $57,872. Noted June 25.

Ill., East St. Louis—Grading, curbing and paving 1,000 ft. State St., to Keeley Bros. Constr. Co., 21st and States Sts. $21,697. Noted July 9.

Wis., Milwaukee—Clerk Milwaukee Co., to Badger Constr. Co., 97 Wisconsin St., asphaltic concrete paving 2,600 sq.yd. Oklahoma Ave., $11,268; to Kroening Constr. Co., 39th Ave. and Mitchell St., concrete paving 13,500 sq.yd. Lover's Lane "C," $31,-320, Lover's Lane "E" $4,919 and Chicago No. 2 "A" $9,844. Grand total $57,351.

Ia., Madrid—Grading, curbing and paving 12 blocks various streets, to M. L. Flinn Paving Co., Sioux City. Engrs. est. $40,000.

Ia., Stanton — Grading, curbing, sewers and granite concrete surfacing 34,000 sq.yd. various streets and alleys, to C. F. Lytle Constr. Co., 904 Nebraska St., Sioux City, $81,569. Noted June 18.

Missouri—State Hy. Dept., Jefferson City, to M. E. Gillioz, Monett, 20 ft. gravel surfacing 4.38 mi. Cuba-Steelville Rd., Crawford Co., $62,811, grading and 18 ft. concrete paving 1.989 mi. Galloway-Rogersville Rd. $48,096, 20 ft. gravel surfacing 0.496 mi. same road $9,846, all in Greene Co.; to Fluekiger & Jacobs, Union, 20 ft. gravel surfacing 6.204 mi. road from Union west, Franklin Co., $56,528; to List & Hallett Constr. Co., Kansas City, grading and 18 ft. concrete paving 4.861 mi. road from Trenton south, Grundy Co. $97,617, to Metropolitan Paving Co. St. Joseph, 4.735 mi. Stewartsville-Cameron Rd. $83,-415, 4.871 mi. same road, DeKalb Co. $75,-792, to Koss Constr. Co., Ft. Des Moines, Des Moines, Ia., 4.337 mi. Lamar-Jasper Rd., Barton Co., $88,257 and 2.66 mi. same road, $59,241; to M. Haase, St. Joseph, 30 ft. grading 2.793 mi. Callao-Macon Rd., Macon Co. $22,154, and 2.466 mi. same road $26,639, to C. F. Johnson & Sons, Buffalo, 4.557 mi. Philipsburg-Lebanon Rd. $20,598, 3.031 mi. road from Conway, north and south, Laclede Co. $13,251, to Republic Concrete Constr. Co., Republic, 0.433 mi. Ave-Gainesville Rd., Ozark Co., $4,031; to H. R. Boone, St. Louis, 12 ft. gravel surfacing 4.402 mi. Warrenton-Hopewell Rd., Warren Co., $32,745; to Buffalo Constr. Co., Buffalo, 18 ft. gravel surfacing 4.906 mi. Macks Creek-St. Louis Rd., Camden Co., $25,683; to Littrell & Sprague, Wichita, Kan., 20 ft. gravel surfacing 0.313 mi. Cuba-Steelville Rd., Crawford Co. $3,783, to J. A. Kerr, Ozark, 2.293 mi. road from Galena south, Stone Co. $3,430, to J. M. Birmingham, Vienna, 4.828 mi. Linn-Mt. Sterling Rd. $32,864. 1.026 mi. loose Creek-Linn Rd. $2,080 both Osage Co., to Farrell & Dubroilett, Linn, 3.296 mi. Linn-Sterling Rd., Osage Co. $28,683. Grand total $802,-731. Noted July 16.

Mo., Joplin—Grading, paving, etc., 16,000 sq.yd. 7th St., etc., to H. B. Dawson, Carrollton, Ill., at $1.55 per sq.yd. Noted May 28.

Mo., Palmyra—H. M. Howard, city clk., grading, curbing and rein.-con. paving 10.5 blocks various streets, to Western Constr. Co., 2204 23rd Ave., Moline, Ill., $53,809. Noted July 2.

Mo., Palmyra — Marion Co. grading and gravel surfacing 16.55 mi. Franklin-Monroe City-Ely Rd., 16 ft., to S. P. O'Dill, Hannibal, $34 762.

Arkansas—State Hy. Dept., Little Rock, **(F. A. P. means Federal Aid Project)**, grading, gravel surfacing, etc., 2.03 mi. Texarkana-Arkansas-Louisiana Rd., F. A. P. 214, Miller Co., to McWilliams Dredging Co., 332 Michigan Blvd., Chicago, Ill., $43,-069, 2.1 mi. F. A. P. 183-D, Lee Co., to W. D. Banker, Memphis, Tenn., $20,310, 5.7 mi. Jonesboro-Egypt Rd., F. A. P. 220-A, and gravel surfacing 3.8 mi. F. A. P. 180-C, both Craighead Co., to C. L. Hager, Augusta, $6,594 and $2,539 respectively; grading and gravel surfacing 5.5 mi. Bay Rd., and St. Francis road extension, F. A. P. 179-B, Poinsett Co., to C. Gregory, Little Rock, $21,214, 5.4 mi. F. A. P. 201-B, Nevada Co., and gravel surfacing 2.6 mi. Ogden-Index Bridge Rd., F. A. P. 222-A, Little River Co., to N. M. George Contg. Co., Shreveport, La., $36,927 and $13,414 respectively; bituminous surfacing, etc., 5.7 mi. Jonesboro-Egypt Rd., Craighead Co., and 4 mi. Conway-Palarm Rd., near Mayflower, to Mobly Constr. Co., Morrillton, $7,623 and $6,946 respectively, 4.3 mi. Almyra-South Rd., F. A. P. 206-A, to Hogan Constr. Co., 835 Southern Trust Bldg., Little Rock, engrs. est. $60,000; grading, bridging, etc., 12.9 mi. Magnolia-Village Rd., F. A. P. 232-A, Columbia Co., to Torrent & Miles, El Dorado, $43,336; gravel surfacing 11.9 mi. F. A. P. 187-A, Sebastian Co., to J. S. McCord & J. O. Nuckolls, Ft. Smith, $20,401, 5.75 mi. Foreman-Lewis Rd., F. A. P. 203-A, Little River Co., to Mississippi-Arkansas Constr. Co., Little Rock, $31,403, 1.6 mi. F. A. P. 224-A, Little River Co., Ashley Co., to M. McMurray, Lake Village, $4,928, 3.9 mi. F. A. P. 213-A, Chicot Co., to J. D. and R. P. Simms, Capleville, Tenn., $7,802. Noted June 18 and 25.

Ark., Little Rock — Grading, curbing, Warrenite on 5 in. concrete paving 10 blocks Paving Dist. 400 (West 4th St.), to M. D. L. Cook, Southern Trust Bldg., $48,541.

Tex., Alpine—J. A. Burke, judge Brewster Co., grading, grubbing, bridging, etc. 5.13 mi. State Highway 3, Federal Aid Project 378-E, 11,616 cu.yd. loose and 2,907 cu.yd. solid rock excav., 64,144 lb. reinforcing, etc., to Thurber Constr. Co., Fort Worth, $53,253. Engrs. est. $49,084. Noted June 4.

Tex., Cameron — Milam Co., grading, bridging and gravel surfacing 7.6 mi. State Highway 36, Federal Aid Project 359, 18 ft., to Evans & Greathouse, 500 West 15th St., Austin, $86,060. Noted June 25.

Tex., Houston — Rock asphalt paving Taft St. from West Dallas to West Webster Aves., from S. Shambaugh, 1400 Dowling St., $35,955. Engrs. est. $35,000.

Oklahoma — State Hy. Dept., Oklahoma City, grading, concrete paving, etc. 32,-998 sq.yd. Garber Rd., to Hyde Constr. Co., Amer. Bank Bldg., Enid, $81,027, engrs. est. $75,000; vertical fibre brick paving 32,367 sq.yd. South Harrah Rd., Oklahoma Co., to Green-Beekman Co., 519 West Main St., Oklahoma City, $86,337. Engrs. est. $90,000. Noted Jan. 4.

Oklahoma — State Hy. Dept., Oklahoma City, grading, etc. 6 mi. Federal Aid Project 174-A, to Gibson & Mitchell, Pauls Valley, $37,569, engrs. est. $45,000, and 5.39 mi. Federal Aid Project 174-B, to S. W. Constr. Co., Ardmore, $34,400, engrs. est. $40,000, both projects in Pawnee Co. Noted July 9.

Okla., Guthrie — G. E. Anderson, city clk., grading and vertical fibre brick surfacing 5,500 sq.yd. and concrete surfacing 7,170 sq.yd. Noble, Vine, Park and Egg Sts., to B. Brooks, 1619 North Penn St., Oklahoma City, $48,302. Engrs. est. $49,-853. Noted July 16.

Okla., Sulphur—Gravel surfacing 25,000 sq.yd. Tahlequah Ave. known as Dist. 16, to Hamilton & Patterson, Pauls Valley, $24,-729. Engrs. est. $25,000.

Okla., Tahlequah—Grading, curbing and 6 in. concrete surfacing Delaware, Kee-Too-Wah and College Aves., to Lawrence & McSpadden, Vinita, $28,045. Noted June 25.

Colo., Denver—City, **(e. e. means engrs. est.)**, to Gordon Constr. Co., Barclay Blk., concrete paving Alley Paving Dist. 130, $23,206 e. e. $33,213, Dist. 131, $14,780 e. e. $21,233, Dist. 132, $20,446 e. e. $29,405, Dist. 133, $17,322 e. e. $25,007. Grand total $75,754. Noted July 9.

Wash., Olympia — Improving approximately 20 blocks 6th Ave., etc., 4,176 cu.yd. excav., 3,063 sq.yd. concrete sidewalks, 9,885 lin.ft. curbing, 22,835 sq.yd. concrete paving, etc., to Erickson Constr. Co., Henry Bldg., Seattle, $76,591. Engrs. est. $88,573.

California — State Hy. Comn., Forum Bldg., Sacramento, **(e. e. means engrs. est.)**, grading and crushed stone or gravel surfacing 8.6 mi. road between El Centro and Holtville, Imperial Co., to S. Y. Faucett, 4002 Walton St., Los Angeles, $107,229, e. e. $119,358; widening with concrete shoulders 8.1 mi. road between Sunland and La Canada, Los Angeles Co., to Dewey & Rawson, Pasadena, $64,567, e. e. $81,923; concrete paving 10.8 mi. road and widening with concrete shoulders 2.3 mi. road from point 1½ mi. north of Oceanside and 2 mi. south of San Onofre, San Diego Co., to Jahn & Bressi, Laughlin Bldg., Los Angeles, $322,737, e. e. $361,394. Grand total $494,533. Noted June 18.

Calif., Los Angeles—Curbing, guttering, sidewalks, etc., on Dunn St. between Upland Ave. and Crestwood St., also sidewalks and 6 in. concrete paving Mercury Ave. between Huntington Dr. N. and Boundary Ave., to McCray Co. Amer. Bank Bldg., $62,650 and $50,445 respectively; grading, curbing, guttering, sidewalks, and warrenite bitulithic paving Occidental Ave. between Sunset Blvd. and Temple St., to Warren Constr. Co., 2221 East 25th St., $101,857. Grand total $214,952.

Calif., Los Angeles — Grading, curbing, sidewalks and concrete paving Oak Glen Pl. between Allesandro St. and Fair Oak View Terrace, etc., to P. F. Martter, $3,277, Beverly Blvd. between Commonwealth and Virgil Aves., portion of Virgil Ave., etc., to McCray Co., Amer. Bank Bldg., $16,375; guttering, curbing, sidewalks and oiling Laclede Ave. between Fletcher Dr. and Silver Lake Blvd., portions of Laclede Ave. and Minneapolis Street Impvt. Dist., to T. W. Oglesby, 423 Edgewood Rd., Santa Ana, $25,109; grading, curbing, guttering, etc., Normandie Ave. between Franklin and Santa Monica Blvd., to W. Liddington, 420 East 60th St., $48,797. Grand total $93,558.

Calif., Los Angeles—Los Angeles Co., 6 in. concrete paving Market St. between Western and Normandie Aves., to G. H. Oswald, 366 West 58th St., $28,911.

Calif., Los Angeles — Los Angeles Co., grading and concrete paving 90,385 sq.ft. Anaheim-Telegraph Rd., Co. Rd. Impvt. 246, to Los Angeles Industrial Engrs. & Contractors, 312 Guaranty Bldg., Hollywood, $29,069. Noted July 9.

Calif., San Diego — Common Council, curbing, guttering, sidewalks, and 1½ in. asphalt on 5 in. concrete paving 310,514 sq.ft. National Ave. between 31st and 41st Sts., to Hazard Contg. Co., 302 5th St., $73,884. Noted June 25.

Calif., San Jose—Santa Clara Co., asphaltic concrete paving Tully, White and San Felipe Rds., also Meridian Rd., to Raisch Impvt. Co., 46 Kearny St., $34,500 and $48,900 respectively; oil macadam paving Rucker Ave., to Granite Constr. Co., Watsonville, $25,637. Grand total $109,037.

Calif., Whittier—To G. A. Simpson, Olsen Bldg., improving Greenleaf Ave., 126,230 sq. ft. grading, at $0.04 per sq.ft., 126,230 sq. ft. 7 in. concrete on 4 in. disintegrated granite paving $0.225, etc., total $38,477.

B. C., Vancouver — Hardsurfacing various streets, concrete, to LaPlaca Constr. Co., 602 Hastings St. W., $14,467; asphaltic concrete, to Cotton Co. Ltd., False Creek Yards, $23,773.

Ont., St. Thomas — Concrete paving various streets to Ponsford Constr. Co., Talbot St. $1.24 per sq.yd., asphalt paving, to Standard Paving Co., Central Chambers, Ottawa $1.65, curbs and gutters, to A. Irwin & Son, Gravel Rd., $0.65 per ft.

Buildings—Industrial

PROPOSED WORK

Mass., Brookline (br. Boston)—REPAIR and SERVICE GARAGE—Young Bros., 18 Webster St., plans 1 story, about 20,000 sq.ft. floor space, rein.-con., Lawton St. $100,000. Engineer and architect not selected.

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—W. W. Drummey, archt., 60 Boylston St., Boston, making sketches 1 story, 65 x 200 ft., rein.-con. repair and service garage, Clayton St., here. $60,000. Owner's name withheld.

Conn., Meriden—POWER HOUSE, etc.—Connecticut School for Boys, will take bids for plans, power house, laundry, bakery and kitchen. $120,000 appropriated. Noted Feb. 5.

N. Y., Buffalo — OIL STORAGE and TRANSFER PLANT — McColl Bros., 114 Esplanode St., Toronto, Ont. plans oil storage and transfer plant, Buffalo River and Abbott Rd., here. To exceed $100,000.

Pa., Lansdale — MANUFACTURING — Crown Paper Co. having plans prepared by J. S. Fuller, 5438 Locust St., Phila., 1 story and basement, 30 x 118 ft. and 75 x 150 ft., brick, plain foundation.

Md., Hagerstown—FACTORY, etc.—M. P. Moeller Organ Wks., had plans prepared by J. E. Moxley, 20 East Lexington St., Baltimore, 3 story, 60 x 140 ft. factory and 2 story, 40 x 80 ft. office building. $150,000.

Fla., St. Petersburg—PLANT—Florida Spanish Tile Mfg. Co. plans plant. $200,000.

Ala., Montgomery—CREOSOTE PLANT—Bond Bros., J. R. Bond, pres., M. E. T. Bldg., Louisville, Ky., purchased 80 acre site and plans plant, here. $500,000. J. R. Bond, pres.

Ala., Sheffield—PLANT—J. R. Scott, et al., Merchants Laclede Bldg., St. Louis, Mo., plan asphalt plant, here. Owner in market for asphalt machinery.

Tenn., Clinton—PLANT—Magnet Knitting Mills, with plants at Clinton and Coal Creek, plans 2 story, 96 x 250 ft., rein.-con. plant, here. J. E. Sirrine & Co., Greenville, S. C., engrs.

Tenn., Knoxville — WOODWORKING PLANT—D. M. Rose & Co., South Knoxville, plans plant addition. W. E. Biggs, Holston Bank Bldg., consult. engr.

Buildings—Industrial (Continued)

O., Cleveland—FOUNDRY—J. Rutkowski, 6600 Park Ave., had plans prepared 1 story, 75 x 120 ft., brick and steel, 6507 Sidaway Ave. $40,000. Private plans.

O., Cleveland — DAIRY and BOILER HOUSE—Ohio Farmers Co-Operative Milk Co., R. W. Strong, secy., 3068 West 108th St., having plans prepared by Wright & Hohl, 4614 Prospect Ave., altering dairy and constructing 1 story, 40 x 80 ft., brick and steel boiler, 3068 West 106th St. $40,000.

O., Cleveland—FACTORY and WAREHOUSE—Vitrolite Co., C. A. Meyers, pres., 2907 Detroit Ave., having plans prepared by A. B. Sylvanus, 6014 Euclid Ave., 3 story and basement, 44 x 80 ft., brick and steel, 2909 Detroit Ave. $50,000.

O., Youngstown — FACTORY — Youngstown Fdry. & Machine Co., 365 East Boardman St., plans 1 story, 120 x 260 ft., addition, Poland Ave. $200,000.

Ind., Lafayette — WOOD WORKING PLANT — Standard Woodworking Co., Lafayette, having plans prepared by L. L. Johnson, Attica, 1 story, 66 x 132 ft., brick and steel plant. $40,000.

Wis., Alverno (Manitowoc P. O.) — BOILER HOUSE—Holy Family Convent, Route 1, Manitowoc, having preliminary plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, 2 story, brick and concrete, plain foundation. $40,000.

Wis., Milwaukee—PRINTING PLANT—Milwaukee Printing Co., 377 Florida St., having plans prepared by Tharinger & Bruecker, 496 Cramer St., 2 story and basement, 32 x 125 ft., brick and concrete, plain foundation, Florida St. $50,000.

Kan., Kansas City—FOUNDRY—H. N. Strait Mfg. Co., Adams and Shawnee Sts., plans rebuilding 75 x 215 ft. foundry, 90 ft. high, recently destroyed by fire. $50,000 plans architect and engineer not selected.

Kan., Wichita — WAREHOUSE — See "Contracts Awarded."

Mo., Cape Girardeau—POWER PLANT—Community Light & Power Co., 408 Pine St., St. Louis, plans improvement and extensions to power plant, here. $200,000. H. C. Newman, dist. mgr.

Mo., Kansas City—FACTORY—T. Azar, Arar Kimono Co., Graphic Arts Bldg., plans 4 story and basement, approximately 50 x 100 ft. factory, 1612 Baltimore St. Engineer and architect not selected.

Mo., Kansas City — FACTORY and WAREHOUSE—Sewall Paint & Glass Co., having plans prepared by Holt, Price & Barnes, 800 Davidson Bldg., 3 story and basement, 60 x 72 ft., rein.-con., brick and terra cotta factory and warehouse. $60,000.

Mo., St. Louis — HEATING PLANT — City, c/o Bd. Pub. Serv., soon takes bids 3 story, rein.-con., brick and stone heating plant, Clark Ave. $910,000. L. R. Bowen, 301 City Hall, engr. and archt.

Tex., Marshall—POWER PLANT—East Texas Pub. Serv. Co., plans power plant addition. $200,000. Private plans.

Tex., Port Arthur—SHOPS—Kansas City Southern R.R. Co., Southern Bldg., Kansas City, Mo., will not construct new car and locomotive shops, etc., here. $1,250,000. A. N. Reese, ch. engr. This corrects report in June 4 issue.

Tex., Taylor — SUB-STATION — Texas Power & Light Co., Waco, purchased 5 acre site and plans rein.-con. and brick substation, here. $100,000. Private plans.

Tex., Victoria — COTTON MILL — Victoria Cotton Mills Co., E. M. Tracy, pres., plans cotton mill, brick and concrete. $300,000.

Tex., Wichita Falls — ICE PLANT — Brinker Ice Co., Sulphur Springs, plans 2 story, 60 x 110 ft., brick, stone and rein.-con. plant here. $100,000. Private plans. Work will probably be done by day labor.

Okla., Lawton — POWER PLANT — Southwest Light & Power Co., Continental Bldg., Oklahoma City, making preliminary plans new 5,000 kw. steam turbine unit and new building, etc., here. $2,500,000. E. R. Ernsberger, Continental Bldg., Oklahoma City, pres.

Ariz., Yuma — TOPPING PLANT — Apache Oil & Refining Co. having plans prepared topping plant. $50,000. Private plans.

Wash., Seattle—OIL-REFINING PLANT—Calpet Refining Co., subsidiary of California Petroleum Co., Sec. Bldg., Los Angeles, Calif., plans oil-refining plant, here. $500,000.

Calif., Anaheim — PLANT — Crystal Chemical Co., plans to convert waste matter into fertilizer. $75,000.

Calif., Los Angeles—SUB-STATION—Light, Water & Power Bureau, had plans prepared 2 story, 75 x 125 ft., rein.-con., Mateo St. $125,000. City Eng. Dept., engrs.

Calif., Sacramento—FACTORY—Sierra Mfg. Co., A. B. Reynolds, interested, Ochsner Bldg., plans factory. $40,000 or more.

Calif., San Francisco—FACTORY—E. L. McRoskey Mattress Co., 1506 Market St., had plans prepared by Fabre & Hildebrand, 110 Sutter St., 3 story and basement, hollow tile and steel, Brady and Market Sts. $45,000.

Calif., San Francisco—BOILER PLANT, etc. — Pacific Gas and Electric Co., 245 Market St., had plans prepared steel and corrugated iron boiler plant and generator building, Maryland and Humboldt Sts. $60,000. Engineering Dept., c/o owners, engrs.

Man., Fort Alexander—PAPER MILL—Spanish River Pulp & Paper Co. in conjunction with J. D. McArthur, plan 200 ton paper mill, here. $4,500,000.

Man., Winnipeg—PLANT—Davis Gelatine Co., Sydney, Australia, plans plant, here. $1,000,000. G. F. Davis, dir.

BIDS DESIRED

Mass., Malden (Boston P. O.)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

R. I., Providence — SHOPS, STORAGE and GARAGE—July 24, by Providence Gas Co., Turks Head Bldg., 2 and 3 story, 200 x 300 ft., rein.-con., brick and stone shop, storage and garage. To exceed $40,000. Jenks & Ballou, 1035 Grosvenor Bldg., Boston, archts.

Pa., Johnstown—BOILER HOUSE—July 27, by Bd. Educ., J. D. Rutledge, pres., 60 x 80 ft., brick boiler house to adjoin Garfield Junior High School, for School Dist., 601 Swank Bldg., $50,000.

Neb., O'Neil — POWER PLANT — See "Contracts Awarded."

Tex., Burkburnett—COTTON GIN—See "Contracts Awarded."

Tex., Victoria — COLD STORAGE — See "Contracts Awarded."

BIDS RECEIVED

N. Y., New York — BOILER PLANT — W. W. Mills, comr. Plants & Structures Municipal Bldg., July 20, addition to boiler plant for Central Motor Repair Shop and Willard Parker Hospital, 16th St. and Ave. C, from H. Borriello, Inc., 157 East 128th St., $107,142; fuel oil storage and oil burning system, from Velodrome Heating Co., 160 East 144th St., $39,000; addition of 2 new water tube boilers, from Shevlin Eng. Co., 110 West 34th St., $51,719. Noted July 16.

Calif., Fresno—MAINTENANCE SHOP—State Hy. Comn., Forum Bldg., Sacramento, July 13, maintenance shop, here, from J. P. Williams, Fresno, $29,292. Noted July 2.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.) — FACTORY — Cambridge Rubber Co., 748 Main St., 4 story, 80 x 100 ft., rein.-con. and brick factory to Scully Co., 118 1st St. Archts. est. $125,000. Noted July 2.

Mass., Everett — MANUFACTURING — Merrimack Chemical Co., 148 State St., Boston, 2 story, 75 x 140 ft., timber, to W. H. Bailey Co., 88 Broad St., Boston. Archts. est. $100,000. Noted July 9.

Mass., Malden (Boston P. O.)—REPAIR and SERVICE GARAGE—S. Spector, 31 York Terrace, Dorchester, will build 2 story, 110 x 225 ft., brick, 11-33 Charles St., by day labor. $200,000. C. F. Springfield, 50 Concord St., archt. Noted July 16.

Mass., Waltham (Ind. br. Boston) — SHOP—J. L. Thomson, Robert St., 3 story and basement, 50 x 100 ft., rein.-con. and brick, plain foundation, to L. H. Shattuck, 208 Granite St., Manchester, N. H. Archts. est. to exceed $40,000. Noted June 25.

Mass., Williamsett—MANUFACTURING—B. F. Perkins & Sons, Inc., Holyoke, 1 story, 80 x 260 ft. machine shop with 40 ft. craneway, and 2 story, 80 x 150 ft., storage building, brick and steel, to Fred T. Ley Co., Inc., 230 Boylston St., Boston. Noted July 9.

R. I., Pawtucket — WEAVING MILL — Moore Fabric Co., Inc., Washington St., 1 story, 100 x 120 ft., rein.-con. and brick addition, to Pawtucket Cabinet & Builders Finish Co., Spencer St. Archts. est. $40,000.

N. Y., Ilion—PLANT—Remington Typewriter Co., 374 Bway., New York City, two 1 story, 60 x 240 ft. and 82 x 95 ft. rein.-con. and steel additions, plain foundations, here, to J. Stewart & Co., Inc., 17 East 42nd St., New York City.

N. J., New Brunswick—PLANT—International Motor Co., 25 Bway., New York City, rein.-con., brick and steel plant addition, plain foundation, to Stone & Webster, 120 Bway., New York City. Archts. est. $250,000.

Pa., Phila. — FACTORY — J. Gallraith, 619 Commercial St., 1 story and basement, brick and steel, plain foundation, 27th and Bainbridge Sts., to Schaeffer & Co., Otis Bldg. Archts. est. $40,000.

Pa., Phila.—MANUFACTURING—A. T. Baker & Co., Fountain St. and Pennsylvania R.R., 3rd, 4th and 5th story, 60 x 124 ft., rein.-con. and brick, to Barclay White Co., 1713 Sansom St. Archts. est. $50,000.

Pa., Phila. — MANUFACTURING — Queen City Printing Ink Co., 11th and Hamilton Sts., 1 story and basement, 60 x 160 ft., brick, plain foundation, 1055-61 Germantown Ave., to Smith Hardican Co., 1809 Callowhill St. Noted June 11.

Pa., Pittsburgh — OIL PURIFICATION PLANT—Duquesne Light Co., 435 6th Ave., 1 story and basement, 45 x 50 ft., brick and steel, oil purification plant, Beaver Ave. and Seymour St., to W. F. Trimble & Sons Co., 1719 Penna. Ave. Archts. est. $45,000.

O., Cleveland — LAUNDRY — Unit Family Laundry Co., W. R. Englehart, secy.-treas., 2159 Clarkwood Rd., 2 story, 7,000 sq.ft. floor space, brick and steel, East 79th St., to Boldt Constr. Co., 1969 East 70th St. Archts. est. $40,000.

O., Cleveland — SUB-STATION — Cleveland Electric Illuminating Co., c/o E. J. Cook, engr., Illuminating Bldg., 1 story and basement, 53 x 72 ft., brick and steel, Harvard Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $90,000. Noted July 9.

O., Columbus — MILL — E. A. Prentice Lumber Co., 449 North Park St., will build 2 story, 60 x 120 ft. mill, by day labor. $40,000. Private plans.

Ind., Hammond — BRASS FOUNDRY — Hammond Brass Wks., 1 story, 90 x 320 ft., steel, Summer St., to Austin Co., 16112 Euclid Ave., Cleveland, O.

Mich., Detroit — SUBSTATION — Pub. Lighting Comn., East Atwater St., 3 story and basement, 72 x 93 ft., rein.-con., brick and steel, plain foundation, Livernois Ave., to Gallagher-Flemming Co., 6500 Epworth Blvd. Archts. est. $150,000. Noted June 25.

Ill., Chicago—FACTORY—Viscosity Oil Co., 1101 West 37th St., rebuilding old factory, destroyed by fire, and constructing 2 story and basement, timber addition, to G. L. Arquette & Co., 160 North La Salle St.

Ill., Chicago—FACTORY—C. H. Hollup Corp., 327 South LaSalle St., 1 story factory, South Turner Ave. and West 48th Pl., to Kreitzer Constr. Co., 503 South Jefferson St. Archts. est. $40,000.

Ill., Galesburg—POWER PLANT—Chicago, Quincy & Burlington R.R., 547 West Jackson Blvd., Chicago, 48 x 80 ft., brick power house, plain foundation, railroad yards, here, to G. A. Johnson & Sons, 1335 North Clark St., Chicago, $133,234.

Ill., Peoria — WAREHOUSE and STORAGE — Isaac Walker Hardware Co., 514 South Washington St., 5 story and basement, rein.-con., brick and steel, South Washington St., to W. Allen & Son, Jefferson Bldg. Noted May 28.

Wis., Milwaukee—FEED MILL—Krause Milling Co., 37th Ave. and Burnham St., 2 story, 50 x 120 ft., brick and concrete addition, plain foundation, also repairing portion of plant burned last fall, to Klug & Smith, 69 Wisconsin St. Archts. est. $50,000.

Kan. Wichita—WAREHOUSE—Cuthbert Cut Stone Co., will build 2 story and basement, 100 x 125 ft., rein.-con. and brick warehouse, by day labor. $70,000. Private plans.

Neb., O'Neil—POWER PLANT—Northern Nebraska Power Co., T. H. Carter, supt. constr., Hebron, will build hydro-electric power plant, incl. 400 ft. rein.-con. spillway, 16 ft. above water level, 48 x 80 ft. brick and concrete powerhouse, 2,800 ft. dirt fill, 20 ft. high and 3 to 1 slope with 20 ft. roadway on top, also dam, 25 ft. high, 25 ft. wide at base with concrete apron 40 ft., etc. on Niobrara River, near here, $700,000-$800,000, also 150 mi. high tension transmission line, incl. sub-station and distribution lines, $200,000, by day labor.

Tex., Burkburnett — COTTON GIN — Hunt-Rigsby Co. will build cotton gin, by day labor. $40,000 approximately. Engineer and architect not announced.

Tex., Lubbock—COTTON COMPRESS—West Texas Compress & Warehouse Co., brick and concrete compress, 1,500 bale capacity, to Jansen Bros., Lubbock, approximately $140,000. Noted Apr. 9.

Buildings—Industrial (Continued)

Tex., Victoria—COLD STORAGE—Hill-O'Connor Co. will build 1 story, rein.-con. and brick, cold storage plant, by day labor. $60,000. Private plans. Noted Jan. 8.

Okla., Okmulgee — REFRIGERATION PLANT—Okmulgee Wholesale Grocery Co., 1½ story refrigeration plant, general contract to Smith & Senter, Okmulgee. Archts. est. $40,000. Armour & Co., Okmulgee, lessee.

Calif., Los Angeles—SHOP—Wiley Machine Co., 631 East Slauson Ave., 80 x 120 ft., rein.-con. and steel addition, to Hamm & Grant, Inc., 607 Ferguson Bldg.

Que., Thurso—FACTORY—Singer Mfg. Co., Ltd., Thurso, factory, to Anglin-Norcross Ltd., 65 Victoria Ave., Montreal. Noted May 28.

Buildings—Commercial

PROPOSED WORK

Mass., Chicopee—BANK and OFFICE—Chicopee Natl. Bank, purchased site and plans 3 or 4 story, brick, stone and steel addition. $180,000. Engineer and architect not selected.

Mass., Everett (br. Boston) — CITY HALL—City, L. B. Chisholm, mayor, plans city hall, Bway. $500,000. Engineer and architect not selected.

Mass., Great Barrington. — HOTEL — Fairview Hotel, c/o Crow, Lewis & Wick, archts., 200 5th Ave., New York City, plans hotel, here. $500,000.

Conn., Hartford—BANK—Bankers Trust Co., R. B. Newell, chn., 154 Kenyon St., having preliminary plans prepared by W. F. Brooks, Lewis and Gold Sts., Hartford, new bank, Asylum Pl. $150,000 or more.

Conn., Storrs — DORMITORY — State Comptroller, State House, Hartford, receiving competitive plans until Aug. 1, 3 story, 30 x 154 ft. dormitory, two 28 x 54 ft. ells, here, for Storrs Agricultural College. $158,000. Noted July 9.

N. Y., New York—APARTMENT—J. H. C. Corp., c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, 5th Ave. and 98th St. $750,000.

N. Y., New York—APARTMENT—I. F. Roe, c/o Deutsch & Schneider, archts. and engrs., 35 Maiden Lane, having plans prepared 16 story, brick, steel and stone, plain foundation, Central Park W. $1,500,000.

N. Y., New York—APARTMENT—Union Ry. Co., 2396 3rd Ave., having plans prepared by C. M. Hart, engr. and archt., 247 Park Ave., brick, steel and stone, plain foundation, Colonial Ave. $500,000.

N. Y., New York—GARAGE—W. E. C. Draper, c/o Dennison & Hirons, 288 Lexington Ave., having plans prepared 4 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, 603 West 42nd St. $600,000.

N. Y., New York—LOFT—J. Silverman, c/o Schwartz & Gross, archts., 347 5th Ave., having plans prepared 20 story, 75 x 100 ft., brick, steel and stone, plain foundation, 531 8th Ave. $1,500,000.

N. Y., New York — THEATRE — M. Richter, 623 8th Ave., soon takes bids brick and stone, plain foundation, Sheridan Ave. and 167th St. $250,000. E. DeRosa, 110 West 40th St., archt. and engr.

Md., Hagerstown—OFFICE—See "Buildings—Industrial."

D. C., Wash. — OFFICE — Washington Central Trust Co. plans 10 story office building, New York Ave., 15th and G Sts. $5,000,000.

N. C., Charlotte — COURT HOUSE — Mecklenburg Co., plans new court house. $500,000. Engineer and architect not announced.

N. C., Charlotte—OFFICE—First Natl. Bank, having plans prepared by Lockwood, Greene & Co., engrs., Piedmont Bldg., and L. Asbury, archt., Realty Bldg., 20 story, 60 x 126 ft., brick, steel and concrete office building. $1,000,000.

Ga., Atlanta — CITY HALL — Election soon $2,000,000 bonds, 20 story city hall. A. T. Eyck Brown, Forsyth Bldg., archt.

Fla., Tampa — APARTMENT — Gillett Apartments, Inc., H. C. Allen, secy., plans 10 story, apartment known as "The Myelvaron" Crescent Pl. and N. B. St. $600,000.

La., Alexandria — TEMPLE — Masonic Assn. having plans prepared by S. Stone, Jr., 714 Union St., New Orleans, and H. J. Duncan, associated archt., Alexandria, 5 story, rein.-con. temple. Noted June 4.

Tenn., Chattanooga—STORAGE—Southeastern Oil Co., 1800 Central Ave., M. H. Senter, pres., plans rebuilding, etc. oil and gasoline storage buildings, Central Ave., recently destroyed by fire. $1,000,000.

O., Berea—AUDITORIUM, EXHIBITION etc.—Berea Fair Grounds Assn., L. M. Coe, secy., having preliminary plans prepared for auditorium, exhibition building and stable. Private plans.

O., Cleveland — COMMERCIAL and APARTMENTS—A. Greenwald & S. H. Stecker, Society for Savings Bldg., having plans prepared by N. Petti, Williamson Bldg., commercial and 3 apartment buildings, 2 and 3 story, brick and steel, East 142nd St. and Kinsman Rd. $350,000.

O., Cleveland — COMMERCIAL and GARAGE, etc.—United Brotherhood of Carpeners & Joiners of America, H. Schwarzer, secy., 1355 Central Ave., having plans prepared by S. Hovanetz, 5024 Lorain Ave., 3 story and basement, 50 x 90 x 111 ft., brick, steel and concrete commercial garage and union headquarters, West 38th St. and Lorain Ave. $150,000.

O., Cleveland — STORE and APARTMENT — A. Greenwald & S. H. Stecker, Williamson Bldg., having plans prepared by N. Petti, Williamson Bldg., 3 story and basement, 60 x 146 ft., brick and steel, West 116th St. and Clifton Blvd. $200,000.

O., Cleveland — WAREHOUSE—Sterling & Welch Co., A. C. Hook, secy., 1225 Euclid Ave., having plans prepared by Walker & Weeks, 1900 Euclid Bldg., 6 story, 72 x 170 ft., brick, steel and concrete rear 1225 Euclid Ave. $400,000.

O., Columbus — OFFICE — Huntington Natl. Bank, 21 South High St., having plans prepared by Snyder & Babbitt, Columbus, remodeling 4 story and basement, 38 x 109 ft., brick and concrete, Gay and High Sts. $175,000.

O., Columbus—THEATRE and OFFICE —City Hall Development Co., 8 East Broad St., having plans prepared by G. Drach, 1701 Union Trust Bldg., Cincinnati, 13 story and basement, 120 x 187 ft., rein.-con. and terra cotta, East State St. $1,000,000.

O., Columbus — WAREHOUSE — Kroger Grocery & Baking Co., Archts., 813 Main St., Cincinnati, having plans prepared 4 story and basement, 120 x 346 ft., rein.-con. and brick, Lexington and Buckingham Sts., here, for $600,000. Private plans.

O., Painesville — BANK — First Natl. Bank, having plans prepared by C. C. and E. A. Weber, archts. 1408 Ingalls Bldg., Cincinnati, 5 story and basement, 64 x 87 ft., stone and terra cotta bank. $300,000.

Ind., Indianapolis—OFFICE—Lumber Insurance Agency, 518 North Delaware St., having plans prepared by H. Foltz, J. F. Wild Bldg., 8 story and basement, 55 x 80 ft., brick, concrete, steel, stone and marble, Delaware St.

Ind., Indianapolis — WAREHOUSE — Vonnegut Hardware Co., 120 East Washington St., having plans prepared by Vonnegut, Bohn & Mueller, Indiana Trust Bldg., 4 story and basement, brick, steel and concrete warehouse. $250,000.

Mich., Menominee — THEATRE, STORE and OFFICE — Menominee Community Building Co., 1714 State St., had plans prepared by D. Hubert, 801 Sheridan Rd., 4 story and basement, 100 x 200 ft., brick, steel and concrete, plain foundation, Sheridan Rd. $300,000-$400,000.

Ill., Chicago—APARTMENT—M. Fox, engr. and archt., 431 Michigan Blvd., takes bids about Aug. 11, 10 story and basement, 55 x 130 ft., rein.-con., concrete pile foundation, 7321 South Shore Dr., for E. C. Waller, Jr., Burnham Bldg. $1,600,000.

Ill., Kewanee—CITY HALL—City plans city hall. $150,000 appropriated. J. G. Palmer, City Hall, engr. Architect not selected.

Mo., Hannibal — THEATRE — Universal Pictures Corp., 730 5th Ave., New York City, N. Y., making preliminary plans 2 story and basement, rein.-con., brick and stone theatre 1,750 seating capacity, here. $250,000. Private plans.

Mo., Kansas City—CITY HALL, etc.—City plans city hall $5,250,000, court house $5,250,000, fire stations $4,500,000, hospital $1,500,000, conservatory in Swope Park $150,000-$300,000, zoo in Swope Park $250,000-$500,000, and police welfare building $335,000. Above projects are part of proposed $38,000,000 bond issue to be submitted to voters about October 15.

Tex., Abilene — CITY HALL — Election Aug. 10, $150,000 bonds new city hall. C. E. Coombs, mayor. Engineer and architect not announced. Noted July 16.

Tex., Brownsville — HOTEL — James & Dickinson had plans prepared by Kelwood Co., archts. and engrs., Travis Bldg., San Antonio, and soon takes competitive bids 8 story modern hotel. $400,000. Noted Apr. 2.

Tex., Dallas—GARAGE—L. F. Wilson, 2922 Swiss Ave., having revised plans prepared by F. F. and C. F. Peterman, 1003 Merchantile Bank Bldg., 2 story, 125 x 228 ft., Pacific and Pearl Sts. $150,000. Perry Motor Co., c/o E. G. Perry, genl. mgr., 615 Good St., lessee.

Tex., Gonzales—HOTEL—Syndicate soon takes competitive bids 4 story, part basement, rein.-con., brick and stone, plain foundation. $150,000. M. L. Waller, Standard Trust Co. Bldg., San Antonio, engr. and archt. Noted June 4.

Tex., Lampasas—HOTEL—E. R. Missner having preliminary plans prepared by R. E. Lane, archt. and engr., 115 North 5th St., Waco, 4 or 5 story and basement, rein.-con., brick and stone hotel, plain foundation. $150,000.

Tex., Port Arthur—HOTEL—Plaza Hotel Co., H. Westfall, mgr., having plans prepared by H. S. Green, archt. and engr., Alamo Natl. Bank, San Antonio, 3 story, rein.-con., brick and stone top addition, plain foundation. $200,000.

Okla., Arapahoe — COURT HOUSE — Custer Co. making preliminary plans 2 story and basement, 90 x 140 ft., brick, plain foundation, Main St. $175,000 funds voted. Engineer and architect not selected.

Okla., Fairview — COURT HOUSE — Major Co. having preliminary plans prepared 2 story and basement, 85 x 130 ft., rein.-con. and brick, plain foundation, Main St. $175,000. Engineer and architect not selected.

Okla., McAlester—HOTEL—B. A. Enlowe having plans prepared by Hawk & Parr, Cotton Exch. Bldg., Oklahoma City, 4 story and basement, 50 x 133 ft., rein.-con., brick and stone hotel. $150,000.

Okla., Oklahoma City—OFFICE—Western Union Telegraph Co., 195 Bway., New York City, having preliminary plans prepared 4 story and basement, brick, plain foundation, 3rd St. and Bway., here. $180,000. V. V. Weidinger, c/o owner, engr.

Okla., Oklahoma City — STORE — Buick Motor Co., 504 North Bway., having preliminary plans prepared by Campbell & Price, 603½ West Main St., 4 story and basement, 100 x 150 ft., rein.-con., plain foundation, 10th St. and Bway. $200,000. Noted Apr. 30.

Okla., Tulsa—APARTMENT—H. J. and A. Sophian, Sophian Plaza Bldg., Kansas City, Mo., having plans prepared by Shepard & Wiser, R. A. Long Bldg., Kansas City, Mo., 8 story and basement, 20,000 sq.ft. floor space, rein.-con. apartment, incl. swimming pool, etc. on lawn, 15th St., here. $1,000,000.

Okla., Tulsa—OFFICE—Independent Oil & Gas Co. having preliminary plans prepared 10 story and basement, 50 x 140 ft., rein.-con., plain foundation, Boulder St. $2,000,000. W. H. Thomas, Okmulgee, engr. Architect not selected.

Wash., Seattle — AUDITORIUM — City Council purchased site and plans civic auditorium. $700,000. Noted June 25.

Wash., Tacoma—HOTEL—Tacoma Hotel Assn., takes bids about Sept. 13, 5 story, 75 x 100 ft., brick addition to Tacoma Hotel. $250,000. Engineer and architect not announced.

Calif., Hanford—THEATRE and HOTEL —Hanford Hotel Co., c/o Swartz & Ryland, archts., Rowell Bldg., Fresno, plan 100 room, fireproof, Redington St. $150,000 or more.

Calif., Los Angeles—HOTEL and STORE —B. L. Laubenheim, c/o Vickers Co., archts., Hillstreet Bldg., made plans 12 story and basement, 115 x 1,555 ft. rein.-con., Sunset Pl.

Calif., Los Angeles — THEATRE and OFFICE, etc.—Hansen Theatres, Inc., c/o W. Allen, archt., 1018 Bank of Italy Bldg., having preliminary plans prepared 2 story and basement, 70 x 285 ft., rein.-con. theatre, office, and store building, Hollywood Blvd.

Calif., Los Angeles — WAREHOUSE — Bekins Fireproof Storage, 1335 South Figueroa St., having plans prepared by A. S. Niebecker, Jr., Washington Bldg., 7 story, 69 x 100 ft., rein.-con., Olive St.

Calif., Napa — HOTEL — Davis-Heller-Pearce, Inc., archts. and engrs., Weber and California Sts., plan 100 room, fireproof hotel. To exceed $150,000. Owner's name withheld.

Calif., Pasadena — THEATRE, OFFICE, etc.—Liberty Players, Inc., c/o J. H. Woodworth & Son, 200 East Colorado St., plans 2 story, 135 x 150 ft. theatre, store and office building, Chester and Colorado Sts. $195,000.

Calif., San Francisco—APARTMENT—N. W. Sexton, archt., DeYoung Bldg., pre-

Buildings—Commercial (Continued)

paring plans 6 story and basement, steel, brick and concrete, in Nob Hill Dist. $150,000. Owner's name withheld.

Calif., San Francisco—APARTMENT—C. R. Bricca, c/o C. A. Meussdorffer, archt., Humbolt Bank Bldg., San Francisco, having plans prepared 10 story and basement, Class A, Green St. near Jones St.

Calif., San Francisco — ASSEMBLY and SALESROOM — Amer. La France Fire Engine Co., 1434 Howard St., having plans prepared by A. G. Bugbee, 14 Montgomery St., 1 story, rein.-con. and brick, 16th and Shotwell Sts. $40,000. Noted Apr. 9.

Calif., San Francisco—CLUB—Olympic Club, Olympic Club Bldg., plans 14 story or more and basement, Class A, near Post and Mason Sts. $2,000,000. Engineer and architect not selected.

Calif., San Francisco—HOTEL—H. Warwick, 3769 Jackson St., having plans prepared by S. Heiman, 57 Post St., 6 story and basement, rein.-con. Jones near Eddy Sts. $150,000.

Calif., Santa Barbara—COURT HOUSE—Supervs. Santa Barbara Co. having plans prepared by W. Mooser, Nevada Bank Bldg., San Francisco, rein.-con. courthouse. $1,000,000.

Calif., Santa Barbara — HOSPITAL — Santa Barbara Co. having plans prepared by W. Mooser, archt., Nevada Bank Bldg., San Francisco, and Sauter & Lockard, associated archts., Santa Barbara, fireproof hospital. $250,000.

Calif., Santa Barbara — HOTEL — J. L. White, California Hotel, plans rebuilding rein.-con. and steel hotel, recently destroyed by earthquake. To exceed $150,000.

Que., Montreal—GARAGE—U. H. Dandurand, 101 Notre Dame St. W., having plans prepared by Ross & MacDonald, Belmont St., 5 story, 114 x 252 ft., rein.-con., plain foundation, Drummond St. $300,000.

Que., Montreal—HOSPITAL—A. Bercovitch, Medical Arts Bldg., is interested in erection of Jewish Hospital. $500,000.

Ont., Kingston—DORMITORY—Kingston Separate School Bd., plans new dormitory and gymnasium, Russell Ave. $300,000.

BIDS DESIRED

Mass., Boston—APARTMENT—See "contracts awarded."

Conn., New Haven — STORAGE — See "Contracts Awarded."

Conn., Willimantic—HOTEL—July 27 (extended date), by Community Hotel Corp., W. P. Jordon, 228 North St., brick and steel, Main St. $350,000. G. B. Post & Son, 101 Park Ave., New York City, archts. and engrs. Noted July 16.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—HOSPITAL—Aug. 5, (extended date), by B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., Bronx General Hospital, East 167th St. and Walton Ave. Private plans. Noted July 9.

N. Y., Farmingdale — HOSPITAL — July 27, by Bd. Managers Nassau Co. Tuberculosis Hospital, alterations and additions to hospital, incl. sewage disposal plant, etc. G. L. Hubbell, Garden City, pres.

N. Y., Raybrook—LABORATORY—Aug. 10, by Supt. Purchase, Albany, laboratory at New York State Hospital for Incipient Tuberculosis, here. S. W. Jones, state archt., Albany; adv. E. N.-R. July 23.

La., Lake Charles—WAREHOUSE, etc.—July 27, by Lake Charles Rice Mill Co., Merchants Exch. Bldg., 2 story, 102 x 392 ft. warehouse, 6 story elevator, 5 story rice mill, and dock in Calcasieu River, etc. I. C. Carter, Lake Charles, engr.

Ill., Berwyn — BANK and OFFICE — Twenty-Second Street Bank, taking bids and opens same about July 28, 2 story and basement, 115 x 118 ft., rein.-con., brick and stone, 22nd St. and Oak Park. $225,000. H. H. Richard, 5467 West Washington St., Chicago, archt.

Wis., Milwaukee — CLUBHOUSE — July 31, by R. B. Williamson, archt., 405 Bway., 3 story and basement, 142 x 210 ft., rein.-con. and brick, plain foundation, Grand Ave., for Milwaukee Eagles, Aerie 137, 2401 Grand Ave. $500,000. Noted Apr. 2.

Ia., Des Moines—TEMPLE—Aug. 3, by Shrine Temple Building Assn., 720 6th Ave., 3 story and basement, rein.-con., steel and stone, 9th and Pleasant Sts. $1,000,000. Sawyer & Watrous, 401 Hippee Bldg., archts. Noted May 28.

Calif., Los Angeles — WAREHOUSE — Waterhouse-Lester Co., 325 North Los Angeles St., taking bids 4 story, 100 x 120 ft., rein.-con., 17th and Los Angeles Sts. $175,000. Norerenberg & Johnson, Railway Bldg., archt.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Francisco—THEATRE—Miller & Pflueger, archts., Lick Bldg., taking bids rein.-con. and steel, Polk St. near Green St., for T and D, Jr., Enterprises, Inc., 150 Leavenworth St. $150,000. Noted June 25.

Calif., San Jose—BANK and OFFICE—Bank of Italy, Bank of Italy Bldg., San Francisco, taking bids approximately 600 tons steel for 12 story and basement, 1st and Santa Clara Sts. $850,000 or more. H. A. Minton, Bank of Italy Bldg., San Francisco, archt.

BIDS RECEIVED

Conn., Manchester—ADMINISTRATION—Bd. Selectmen, 2 story, rein.-con. and brick administration building, from Manchester Constr. Co., South Manchester, $179,000. Noted July 16.

O., Youngstown — HOME — Bd. Comrs. Mahoning Co. Detention Home, 3 story and basement, 75 x 110 ft., brick, steel and concrete, from Hawkins-Downie Co., 144 West Wood St., $127,411. Noted June 25.

Kan., Newton—HOTEL—Newton Hotel Co., 5 story and basement, 68 x 79 ft., rein.-con. and brick hotel, from H. W. Underhill Constr. Co., 131 North Emporia St., Wichita. Archts. est. $150,000.

CONTRACTS AWARDED

Mass., Williamstown—HOME—Williams College, 3 story and basement, 40 x 100 ft., brick and stone home for Theta Delta Chi to Holt-Fairchild Co., 7 Water St., Boston. Archts. est. $150,000.

Conn., New Haven—APARTMENT—E. J. and I. Cooney, High St., 6 story, 125 x 125 ft., brick and steel, High St., to C. Abbadessa, 159 Winthrop St. Archts. est. $300,000. Noted June 18.

Conn., New Haven — GARAGE — E. M. Jennings Co. 347 Crown St., 1 story, 98 x 285 ft., brick and steel, 250 Whalley Ave., to Larkin-Carey Co., 166 Brewery St. Archts. est. $150,000. Noted July 2.

Conn., New Haven — GARAGE — Von Beren Realty Co., c/o Brown & Von Beren, 185 Church St., 3 story and basement, 78 x 100 ft. concrete and steel, High and Crown Sts., to Natl. Constr. Co., 171 Whalley Ave. Archts. est. $150,000.

Conn., New Haven—STORAGE—Great Atlantic & Pacific Tea Co., 386 State St., will build 4 story and basement, 100 x 240 ft. rein.-con., Ferry & River Sts., by day labor. $300,000. F. Teitelman in charge construction. C. H. Abramowitz, 42 Church St., archt.

Conn., Norwich—HOME—Kendall, Taylor & Co., archts., 142 Berkley St., Boston, 2 story and basement, 70 x 150 ft., brick and steel, Harland St., to W. S. Spencer, 24 Hobart Ave., for Sheltering Arms, Harland St. Archts. est. $175,000. Noted July 9.

N. Y., Buffalo—HOTEL—M. M. Robinson, 437 Woodward St., Detroit, Mich., hotel, West Utica St., to Robinson Constr. Co., 25 West Utica St., to exceed $225,000.

N. Y., New York—APARTMENT—Tigo Realty Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 15 story, 50 x 82 ft., brick, steel and stone, plain foundation, 18 West 77th St., day labor. $250,000.

N. Y., New York — APARTMENTS — Thompson Contg. Co., c/o Deutsch & Schneider, archts. and engrs., 35 Maiden Lane, will build 15 story and basement, brick, steel and stone, plain foundation, 87th St. and Riverside Dr., $1,500,000; and brick, steel and stone, plain foundation, at Riverside Dr. and 91st St., $1,000,000, by day labor.

Pa., Easton — DORMITORY — Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., 3 story and basement, 38 x 134 ft., rein.-con. and brick, plain foundation, here, to Bechtel & Bechtel, Easton, for Lafayette College. $160,000. Noted July 6.

Pa., Phila.—APARTMENT—Kanock Co., 1034 Spruce St., 4 story and basement, 72 x 225 ft., brick and steel, plain foundation, 41st and Chestnut Sts., to B. A. Kaplan, 1034 Spruce St. Archts. est. $50,000.

Pa., Phila. — DEPARTMENT STORE — Gimbel Bros., 9th and Market Sts., 12 story and basement, 222 x 318 ft., rein.-con., brick and steel, plain foundation, 9th and Chestnut Sts., to Thompson & Starrett Co., 49 Wall St., New York City, N. Y.

Pa., Phila. — OFFICE — Maryland Casualty Co., 312-322 Walnut St., 6 story and basement, 99 x 120 ft., brick and steel, plain foundation, to W. Steele & Sons Co., 219 North Broad St. Archts. est. $500,000.

Pa., Pittsburgh—SALES and GARAGE—Whitehill Gleason Motors, Inc., 250 South Euclid Ave., general contract 3 story and basement, 127 x 150 ft., brick and stone, Barem Blvd. and South Euclid Ave., to D. T. Riffle, 1006 Forbes St. Archts. est. $250,000.

D. C., Wash. — HOSPITAL — Sibley Memorial Hospital, 1120 North Capitol St., 4 story and basement, rein.-con. and brick, plant foundation, Pierce and Capitol Sts., to C. E. Thompkinson, 1612 Park Rd. Archts. est. $400,000. Noted July 16.

La., Shreveport — EXCHANGE — Mayre, Alger & Alger, archts., 801 Walton Bldg., Atlanta, Ga., 4 story and basement, 100 x 150 ft., rein.-con., McNeill and Crockett Sts., here, to Stewart & McGehee Constr. Co., Little Rock, Ark., for Cumberland Telephone & Telegraph Co., Shreveport. Noted May 28.

Tenn., Knoxville—STORE—J. T. Steachi, 201 West 5th Ave., 6 story, 72 x 135 ft., store building to Weaver & McGill, 425 West Church St., approximately $200,000.

O., Cincinnati—HOTEL—Sacred Heart Guild, 416 Bway., 6 story and basement, 100 x 165 ft., rein.-con. and brick, plain foundation, 5th St., to W. Harig Co., 31 East 4th St., $392,000.

O., Cleveland — COMMERCIAL and APARTMENT—M. Lieber & H. Freyman, 2552 Superior Ave., 3 story and basement, 50 x 108 ft., brick and steel, 14626 Lakeshore Blvd., to J. Miller, 10819 Drexel Ave. Archts. est. $150,000.

O., East Cleveland (Cleveland P. O.) — COMMERCIAL and APARTMENT — E. Brudno, 6830 Leader-News Bldg., 3 story and basement, 67 x113 ft., brick, 15050 Euclid Ave., to A. Adelowitz, 3475 East 118th St. Archts. est. $150,000.

O., Tiffin — DORMITORY — Heidelberg University, Tiffin, 3 story and basement, brick, steel and concrete, on campus, to C. E. Dennis, Tiffin, about $100,000. Noted Apr. 30.

Ind., Indianapolis — OFFICE — Chamber of Commerce, 10 story and basement, 85 x 195 ft., rein.-con. and brick, to T. A. Moynahan Constr. Co., Ambassador Hotel, $1,500,000. cost plus percentage basis. Noted July 16.

Mich., Detroit — HOTEL — L. Kamper, archt., 3729 Cass Ave., 10 story and basement, 300 room, rein.-con. brick and steel, plain foundation, Seward and Woodward Aves., to O. Misch Co., 159 East Columbia St. Archts. est. $500,000. Owner's name withheld.

Wis., Milwaukee—APARTMENT—G. W. Adams Co., 220 Martin St., 3 story, 52 x 245 ft., brick and concrete, plain foundation, Prospect Ave., to Brun Constr. Co., 387 Clinton St. Archts. est. $250,000. Noted Apr. 23.

Wis., Racine—WAREHOUSE—L. Lehle, archt. and engr., 3810 Bway., Chicago, Ill., 4 story and basement, 123 x 123 ft., brick and concrete, plain foundation warehouse, here, to Bondgard & Christensen, 1135 Mound Ave., for Horlick Malted Milk Co., Northwestern Ave. Archts. est. $160,000. Noted June 25.

Wis., Waukesha—WAREHOUSE—White Rock Mineral Springs Co., 1702 White Rock Ave., 3 story and basement, 65 x 156 ft., brick and concrete, plain foundation warehouse, to P. Riesen's Sons, 1018 Humboldt Ave., Milwaukee. Archts. est. $150,000.

Ia., Davenport—COMMUNITY—Friendly House Society, general contract 3 story and basement, 48 x 150 ft., rein.-con. and brick, 3rd and Taylor Sts., to J. Soller & Son, 1st Natl. Bank Bldg. Engrs. est. $165,000.

Minn., St. Paul — HOSPITAL — Northwestern Baptist Hospital Assn., c/o R. Earl, chn. bd. directors, 1210 Lowry Bldg., general contract (1st unit) 6 story and basement, 45 x 260 ft., rein.-con., brick, tile and stone, University Ave. near Aldine St., to Standard Constr. Co., 1111 Plymouth Bldg. Total cost $450,000.

Kan., Newton—HOTEL—Local Syndicate, c/o Greenbaum, Hardy & Schumacher, archts., 216 Scarritt Bldg., Kansas City, Mo., general contract 5 story and basement, 68 x 79 ft., brick, concrete and terra cotta hotel, to Underhill Constr. Co., 131 North Emporia St., Wichita. Noted July 23.

Neb., Omaha — MERCANTILE — S. S. Kresge Co. remodeling Bennett Bldg., 5 story and basement, 16th and Harney Sts., to P. Kiewett's Sons, Omaha, Natl. Bank Bldg., cost plus percentage basis. Engrs. est. to exceed $200,000.

Mo., Kansas City—STORE—F. G. Bonfils, c/o F. C. Gunn, archt., 1108 Continental Bldg., general contract 3 story (ultimately 12 story) and basement, 112 x 116 ft., brick, steel, rein.-con. and terra cotta, 12th and Grand Sts., to Swenson Bros., Schubert Bldg. Archts. est. $300,000. Noted May 28.

Buildings—Commercial (Continued)

Mo., Kansas City—STORE—Holt, Price & Barnes, archts., 800 Davidson Bldg., 8 story and basement, 100 x 107 ft., rein.-con., brick and stone, 13th St. and Baltimore Ave., to Lonsdale Bros., 502 Bryant Bldg. To exceed $300,000, for R. Keith Furniture & Carpet Co., R. Keith, 1101 Grand Ave., pres. Noted June 18.

Okla., Oklahoma City—OFFICE—Builders Exchange, c/o J. B. Landes, Chamber of Commerce Bldg., 17 story and basement, 50 x 100 ft., rein.-con., plain foundation, to J. W. Mann, Cotton Exch. Bldg. $725,000.

Wash., Olympia—LEGISLATIVE HALL—State Capital Com., erecting and completing excavation, concrete, brick, cut stone work, etc. for 179 x 341 ft. hall, 13th Ave W., to Sound Constr. & Eng. Co., Lowman Bldg., Seattle, $3,176,060. Noted June 4.

Wash., Seattle — HOSPITAL — Swedish Hospital Assn., c/o N. A. Johnson, dir. of trustees, 6 story and basement, concrete addition, Summit and Columbia Sts., to O. Roseleaf, 221 15th St. N., $225,000. Noted June 25.

Wash., Seattle—STORE—A. V. Love Dry Goods Co., Tacoma, masonry contract 4 story (ultimately 6 story) and basement, 120 x 120 ft., 1925 8th Ave., to J. E. Bonnell & Sons, 7600 Commerce St., Tacoma, $155,000.

Calif., Los Angeles—THEATRE, STORE, etc.—West Coast Theatres, Inc., Knickerbocker Bldg., theatre, store, apartment and office building, Mesa Dr. and Slauson Ave., to Barkelew & Gould, 401 Glendale Blvd., Los Angeles, approximately $275,000.

Calif., San Bernardino—THEATRE, OFFICE, etc.—Mayer Picture Corp., rein.-con. theatre, store and office building, to Solt Eng. & Constr. Co., 5416 Ruthlen St., Los Angeles, approximately $275,000.

Calif., San Diego — EXCHANGE — Southern California Telephone Co., 740 South Olive St., Los Angeles, 100 x 100 ft., brick and steel office and exchange, to MacDonald & Kahn, Spring-Arcade Bldg., Los Angeles, $216,500. Noted July 16.

Calif., San Francisco—APARTMENT—Christensen Bros. (owners and contractors), 687 20th Ave., will build three 3 story, timber, Octavia and Chestnut Sts., by day labor. $180,000.

Calif., San Francisco—APARTMENT—E. V. Lacey, 180 Jessie St., will build 8 story and basement, rein.-con., O'Farrell St. near Jones St., by day labor. $250,000. Noted June 11.

Calif., San Francisco—APARTMENT and STORE—W. J. Sandell, 4 story, rein.-con., Fillmore and Haight Sts., to W. S. King, 215 Hearst Bldg., $165,250.

Calif., San Francisco—HOME—Episcopal Old Ladies Home, 3 story, rein.-con., Lombard and Lyon Sts., to Williams & Wood, 405 Mills Bldg., San Francisco, approximately $200,000.

Calif., San Francisco — OFFICE and BANK—Crocker Natl. Bank, Crocker Bldg., fireproof bank and office building addition, Market and Posts Sts., to Dinwiddie Constr. Co., Crocker Bldg., approximately $600,000.

Ont., Ottawa — OFFICE — Metropolitan Life Insurance Co. of Canada, Jackson Bldg., stone for office building on Banks, Sparks and Wellington Sts., to Standard Stone Co., 1440 Howard St., Windsor, $152,000; granite, to Granite Co. Ltd., Stanstead, Que.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Arlington (br. Boston)—CHURCH—St. John's Parish, B. F. Hall, pastor, plans church. $150,000 or more. Engineer and architect not selected.

Mass., Brighton (Boston P. O.) — SCHOOL—City, Schoolhouse Dept., Boston, having plans prepared by Blackall & Elwell, 44 Bromfield St., Boston, 2 story and basement, brick, Howard Ave., here. $150,000.

Mass., Cambridge (Boston P. O.)—ART—Radcliffe College, A. L. Comstock, pres., plans 2 or 3 story art building, college grounds. $200,000. Engineer and architect not selected.

Mass., Fall River — COLLEGE — Notre Dame Academy having plans prepared by L. D. Destremps, 11 Pleasant St., 2 story, brick and steel college. $150,000. Noted Sept. 18.

Mass., Medford—SCHOOL—City, W. F. Weigite, chn. building com., plans 2 story school, Ward 3, $300,000. Engineer and architect not selected.

Mass., Somerville (br. Boston)—HIGH SCHOOL—City, J. H. Webster, mayor, City Hall, plans brick addition, Highland Ave. $200,000. Engineer and architect not selected.

Mass., Winchester—SCHOOL—Town, C. R. Main, chn. building com., having sketches made by Derby & Robinson, 5 Joy St., Boston, 2 story, brick, Highland and Appalachian Aves. $150,000.

Conn., Hartford — SCHOOL — City had plans prepared by Golden-Storrs & Co., 983 Main St., 10 room school, Belleview St. $180,000.

N. Y., Baldwin — HIGH SCHOOL — Bd. Educ. having plans prepared by H. T. Blanchard, 137 East 46th St., New York City 3 story, brick, steel and stone, plain foundation. $250,000.

N. Y., New York — COLLEGE and DORMITORY—Yeshiva of America, H. Fischel, chn. Building Com., c/o C. B. Meyers, archt., 31 Union Sq., soon takes bids brick, steel and stone, plain foundation, Amsterdam Ave. and 186th St. $5,000,000.

Pa., Brownsville—HIGH SCHOOL—Bd. Educ. having plans prepared by J. H. Harmon, Fayette Title & Trust Bldg., Uniontown, 2 story and basement, 85 x 120 ft., brick and tile high school. $150,000.

Pa., Swissvale—CHURCH and SUNDAY SCHOOL — First Methodist Episcopal Church having plans prepared by C. W. Bier, Pittsburgh Life Bldg., Pittsburgh, 1 and 2 story and basement church and Sunday school. $200,000.

Pa., Titusville — SCHOOL — St. Titus Roman Catholic Congregation having plans prepared by Morris & McHale, Mears Bldg., Scranton, 2 story and basement, 122 x 138 ft., brick and stone, West Main and 2nd Sts. $150,000.

Md., Baltimore — CHURCH, etc. — St. Casimirs Roman Catholic Church, Kenwood Ave. and O'Donnell St., having revised plans prepared by Palmer, Willis & Lamdin, 513 North Charles St., 1 story and basement, 70 x 207 ft. brick and stone, plain foundation, Lakewood Ave. and O'Donnell St. $160,000.

N. C., Asheville — HIGH SCHOOL — School Bd. plans West Asheville High School. $288,000. Noted Apr. 2.

Fla., Coral Gables—UNIVERSITY—G. E. Merrick donated 160 acres and subscribed $5,000,000 for Miami University, here. Total cost $15,000,000. W. E. Walsh, Miami, pres. pro tem.

Tenn., Knoxville — ECONOMICS — University of Tennessee, H. A. Morgan pres., plans Home Economics building, on campus. $165,000.

Tenn., Memphis—MEDICAL COLLEGE—University of Tennessee, Knoxville, having plans prepared by Jones & Furbringer, Porter Bldg., (1st unit) medical college, Union and Monroe Aves., here. $350,000.

O., Cleveland—SCHOOL—First Magyar Reformed Church, J. Herczegh, pastor, 2854 East 79th St., having plans prepared by Galther & Bockhor, 12401 Buckeye Rd., 2 story, brick, steel and concrete, Buckeye Rd. and East Boulevard. $150,000.

O., Dayton—SCHOOL—Bd. Educ., W. A. Weber, pres., 216 Ludlow Bldg., having plans prepared by Pretzinger & Musselman, Reibold Bldg., 2 story and basement, 150 x 275 ft., brick, steel and concrete, Germantown St. $250,000.

O., Lakewood (Cleveland P. O.) — CHURCH—Church of Christ Scientist, c/o W. C. Jones, Scofield Bldg., Cleveland, having plans prepared by F. W. Ball, 1152 Hanna Bldg., Cleveland, 1 story, brick and steel, West 117th St. $150,000. Noted Mar. 12.

O., Springfield—LABORATORY—Wittenberg College, College Hill, R. E. Tuttioff, pres., having plans prepared by R. C. Gotwald, 310 M & M Bldg., 2 story and basement, 32 x 140 ft., brick, steel and concrete laboratory. $160,000.

O., Wooster — COMMUNITY — Wooster College, having plans prepared by Foote & Carpenter, 154 East Ave., Rochester, N. Y. 2 story and basement, 110 x 128 ft., brick and terra cotta, on campus. $200,000.

Ind., Elkhart — CHURCH — Christian Church having plans prepared by A. A. Honeywell, Penway Bldg., 2 story and basement, brick and stone church. $150,000.

Ind., Evansville—SCHOOL—School Bd. having plans prepared by H. G. Karges, Furniture Bldg., 2 story and basement, 35 x 90 x 150 ft., brick school. $150,000.

Ind., Greensburg — CHURCH — First Methodist Episcopal Church having plans prepared by H. Foltz, J. F. Wild Bldg., Indianapolis, 2 story and basement, brick and stone church. $150,000.

Ind., Greenfield—SCHOOL—School Bd. having plans prepared by O. P. Gordon, Greenfield, 2 story and basement, 110 x 195 ft., brick school. $150,000.

Ind., Indianapolis—CHURCH—Irvington Presbyterian Church having plans prepared by Harrison & Turnock, Bd. of Trade, 2 story and basement, brick and stone, Ritter Ave. $150,000.

Ind., Indianapolis—CHURCH—Meridian Heights Presbyterian Church, 47th St. and Park Ave., having plans prepared by H. Foltz, J. F. Wild Bldg., 2 story and basement, brick and stone, 49th St. $200,000.

Ill., Chicago—CHURCH—J. E. O. Pridmore, archt., 38 South Dearborn St., soon lets contract 100 x 100 ft., rein.-con., 921 Lawrence Ave., for Peoples Church. $450,000.

Ill., Winnetka — CHURCH — Congregational Church having plans prepared by Day & Klauder, Franklin Bank Bldg., Phila., Pa., new church. To exceed $150,000.

Wis., Milwaukee — CHURCH — St. Sebastian Congregation, c/o J. Schiltz, 595 54th St., pastor, having plans prepared by Backes & Uthus, 216 West Water St., 2 story, 106 x 140 ft., brick and stone, plain foundation, 54th St. $250,000.

Wis., Milwaukee—SCHOOLS—School Bd., F. Harbach, secy., plans (1st unit) of New Lincoln High School, $600,000; addition to Walker St. School, $240,000; New Fernwood School, $320,000; completing Junior High School, 38th St. and Fond Du Lac Ave., $200,000; addition to Cass St. School, $200,000; gymnasium and alterations at West Division High School, $200,000; additions to North Side High School $250,000, and to South Side High School, $200,000.

Wis., New London—CHURCH—Church of Most Sacred Blood congregation, c/o O. Kolbe, pastor, plans rebuilding 2 story and basement, brick and stone, plain foundation, recently destroyed by fire. $150,000. Engineer and architect not selected.

Wis., Waukesha—HIGH SCHOOL—Bd. Educ., E. R. Estberg, pres., having plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, (1st unit) Junior High School, 2 story and basement, rein.-con., brick and tile, plain foundation. $150,000.

Minn., Cambridge — ADMINISTRATION—State Dept. Administration & Finance, St. Paul, having plans prepared group building, main one being 3 story and basement, rein.-con. and brick, here, for Minnesota Colony for Epileptics. $255,000. Engineer and architect not announced.

Minn., Duluth — SCHOOL — State Dept. Administration & Finance, Capitol Bldg., St. Paul, plans 3 story and basement, rein.-con. and brick, at Teachers State College, here. $150,000. Engineer and architect not announced.

Kan., Topeka — HIGH SCHOOL — Bd. Educ., M. C. Holman, secy., having preliminary plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Junior High School, 3 story and basement, 120 x 120 ft., concrete, brick and stone, 3rd and Buchanan Sts. $150,000.

Neb., Lincoln—ASSEMBLY HALL and MUSEUM—University of Nebraska, having plans prepared by Fiske, Meginnis & Schaumberg, 533 Bankers Life Bldg., assembly hall, Agricultural College Campus $200,000; also by Davis & Wilson, 515 Security Mutual Bldg., for museum, Morrill Hall, 14th and Vine Sts., $350,000. S. Avery, chancellor.

Mo., Kansas City—HIGH SCHOOL—Bd. Educ., Public Library Bldg., having plans prepared by C. A. Smith, Finance Bldg., for West Side Junior High School, 3 and 4 story and basement, rein.-con., school with swimming pool, two gymnasiums and auditorium, plain foundation, Summit, Madison and 20th Sts. $300,000.

Mo., Kansas City—SCHOOLS—Voted $5,000,000 bonds for additions to Northeast Junior High, Paseo High, Southeast High and East Side High Schools, also new Eastside Junior High, Negro Junior High, Jefferson, Seven Oakes, Cherry St. and W. W. Yates Grade Schools, for Bd. Educ., Public Library Bldg. C. A. Smith, Finance Bldg., archt. Noted June 11.

Mo., St. Louis — SCHOOL — Bd. Educ. takes bids in September, Shenandoah Grade School, 3 story, rein.-con., brick and stone, Shenandoah Ave. $225,000. R. M. Milligan, 911 Locust St., comr. Noted Nov. 27.

Tex., Abilene—Election Aug. 10, $250 000 bonds waterworks improvements. C. E. Coombs, mayor.

Buildings—Educational, Religious (Cont.)

Tex., Brownsville—ADMINISTRATION, etc. — Academy of Incarnate Word & Blessed Sacrament, having plans prepared by H. P. Smith, Natl. Bank of Commerce, San Antonio, 3 story, basement and roof garden, rein.-con., brick and tile administration building, also 2 dormitories, on 30 acre plot, north of here. $325,000.

Tex., Waxahachie — MEDICAL ARTS — L. L. McNair, engr. and archt., preparing preliminary plans 5 story and basement, rein.-con., brick and stone, plain foundation. $150,000. Owner's name withheld.

Okla., Tulsa—CHURCH—First Baptist Church, 4th and Cincinnati Sts., having plans prepared by C. Woodruff, Reynolds Bldg., Ft. Worth, Tex., and takes bids about Sept. 1, 90 x 140 ft. brick and stone church, 55 or 60 ft. high, South Cincinnati Ave. $175,000.

Okla., Wewoka—HIGH SCHOOL—Bd. Educ. having plans prepared by Monott & Reid, Empire Bldg., Oklahoma City, 2 story and basement, 86 x 140 ft., rein.-con. and brick, plain foundation, Plum St. $160,000. Noted Sept. 11.

Calif., Berkeley — GYMNASIUM — University of California plans gymnasium, on campus. $1,000,000.

Calif., Colusa—HIGH SCHOOL—Trustees Colusa Union High School Dist., soon takes bids 2 story, brick high school, gymnasium and shop buildings. $200,000. G. C. Sellon, California State Life Bldg., Sacramento, archt. Noted May 21.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. plans Fairfax High School, fireproof high school. $175,000 or more. Parkinson & Parkinson, Title Insurance Bldg., archts.

Calif., Los Angeles — HIGH SCHOOL — Bd. Educ. having preliminary plans prepared by A. M. Edelman 726 H. W. Hellman Bldg., and A. C. Zimmerman associated archt., 836 H. W. Hellman Bldg. Horace Mann Junior High School, 3 story, rein.-con. and stone, $340,000.

Calif., Los Angeles — SCHOOL — City plans fireproof school, Main and 69th Sts. $275,000. Dodd & Richards, Brack-Shops Bldg., archts.

Calif., Oakland—SCHOOL—City having plans prepared by W. J. Miller, 417 Market St., 2 story, rein.-con. school, in Fruitvale section. $160,000.

Calif., San Bernardino—SCHOOLS—City plans election $450,000 bonds for high schools and $400,000 bonds for elementary schools.

Calif., Santa Barbara — CHURCH — Roman Catholic Archbishop, c/o T. F. Power, archt., 2615 West 7th St., Los Angeles, having plans prepared rein.-con. church, Anacapa and Micheltorena Sts. $250,000.

Calif., San Mateo—HIGH SCHOOL—San Mateo Union High School Dist., plans election to vote $275,000 bonds additions to high school. Noted Jan. 20.

Calif., San Rafael — SCHOOL — San Rafael Military Academy having plans prepared by S. Heiman, 57 Post St., San Francisco, fireproof military school buildings. $150,000.

BIDS DESIRED

Mass., Ludlow—HIGH SCHOOL—School Building Comn. taking bids 2 story and basement, brick and stone high school. $150,000. M. W. Maloney, 23 Pearl St., Springfield, archt. Noted Apr. 23.

Mass., Worcester — LIBRARY and CHAPEL—July 27, by Holy Cross College, J. Dinand, pres., 3 story and basement, 65 x 175 ft., brick and steel library and chapel $150,000 or more. Maginnis & Walsh, 100 Boylston St., Boston, archts. Noted July 2.

Pa., Phila. — EXHIBITS — July 31, at office Sesquicentennial Exhibition Assn. Headquarters, 5th and Chestnut Sts., for exhibits building, at League Island Park. D. C. Collier, dir. genl.; adv. E. N.-R. July 23.

La., Alexandria—HIGH SCHOOL—July 29, by Rapids Parish Bd. Educ., J. W. Bolton, pres., 3 story, rein.-con., brick and stone high school. Favrot & Livaudais, Ltd., Hibernian Bldg., New Orleans, archts.

Minn., Minneapolis—SCHOOLS—July 31, by Bd. Educ., G. F. Womrath, bus. mgr., 305 City Hall, two schools, each 3 story and basement, L shaped, rein.-con., brick and stone, one at 42nd Ave. S. and 24th St., and other at 13th Ave. S. and 24th St. Bureau of Buildings, Div. Design & Constr., c/o owner, archt. $450,000.

Neb., Omaha—SCHOOL—July 30, by Bd. Educ. 2 story and basement, 120 x 210 ft., rein.-con. Gothic Architecture, 33rd and Jackson Sts. $150,000. F. A. Henninger, Securities Bldg., engr. Noted Jan. 25.

Ark., Little Rock—COLLEGE—Aug. 12, by Bd. Trustees State Teachers College at Dept. Educ., Capitol Bldg., completing practice building and additions and repairs to college building. Witt, Seibert & Halsey, Texarkana, archts.

Okla., Shattuck—HIGH SCHOOL—Aug. 3, by H. H. Dohe, archt., Okeene, 2 story and basement, 88 x 146 ft., rein.-con. and brick, plain foundation, Maple St., here, for Bd. Educ. $160,000.

BIDS RECEIVED

Mass., South Boston (Boston P. O.)—HIGH SCHOOL—City Schoolhouse Dept., Boston, T. P. Glynn, chn., 2 story and basement, brick addition, G St. and Thomas Park, from J. Rugo, 80 Boylston St., Boston, $213,440. Noted July 9.

N. Y., Buffalo — HIGH SCHOOL — Bd. Educ., 900 Genessee Bldg., rein.-con., brick and stone, Northampton St., from Harrison Eng. & Constr. Co., Ellicott Sq. Bldg., $844,569. Noted June 25.

N. Y., Long Island City—SCHOOL—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, July 14, general contract P. S. 114, Cronston Ave., here, from Hayson Constr. Co., Arverne, $359,500; heating, from Heat Control Serv. Co., 759 Park Pl., New York City, $50,927. Noted July 9.

Calif., Los Angeles—CHURCH—Thirteenth Church of Christ Scientist, general contract rein.-con., Edgemont Blvd., from Pozzo Constr. Co., 421 Macy St., approximately $115,000. Noted July 16.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., J. Burroughs Junior High School, McCadden Pl., from J. F. Atkinson, Story Bldg., and North Pacific Constr. Co., Detwiler Bldg., Los Angeles, $128,700 each. Noted July 2.

CONTRACTS AWARDED

Mass., Williamstown — FRATERNITY—Psi Upsilon Fraternity, Williams College, 3 story and basement, 50 x 95 ft., brick and stone, to Holt-Fairchild Co., 7 Water St., Boston. Archts. est. $150,000. Noted Mar. 19.

Conn., Bristol—SCHOOL—School Comn., City Hall, 2 story, 60 x 100 ft., brick and stone, Pine St., to Louck & Clark Co., 6 Ernest St., Wallingford. Archts. est. $150,000. Noted June 18.

Conn., Stamford—CHURCH—St. Marys Roman Catholic Church, D. L. Gleason, pastor, 1 story and basement, 100 x 200 ft., brick and stone, plain foundation, Elm St., to Durrschmidt Building Co., 100 Main St., Derby. Archts. est. $200,000. Noted May 7.

N. Y., New York—CHURCH and OFFICE—Bway.-Chelsea Methodist Episcopal Church, 701 West 177th St., 24 story, brick, steel and stone, plain foundation, Bway. and 174th St., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Archts. est. $4,000,000. Noted Feb. 12.

N. Y., New York—CHURCH—Park Ave. Methodist Episcopal Church, 151 West 42nd St., 15 story, brick, steel and stone, plain foundation, 85th St. and Park Ave., to Hegeman-Harris Co., 360 Madison Ave. Archts. est. $1,300,000.

Pa., Norwood (mail Hoadleys) — CHURCH and SUNDAY SCHOOL—Richter & Eller, archts., Reading 1 story, gallery and basement, 50 x 115 ft., stone, plain foundation, here, to Titzel Constr. Co., 520 Market St., Harrisburg, for Immanuel Lutheran Church, A. A. Kelly, pastor. Noted July 2.

O., Canton — HIGH SCHOOL — City, 2 story and basement, brick addition, Woodland Ave. N. W., to G. Whike Constr. Co., 6 McCurdy Blk., $154,588.

O., Lakewood (Cleveland P. O.) — CHURCH — St. James Roman Catholic Church, M. D. Leahy, pastor, 17514 Detroit Ave., 1 and 2 story and basement, 60 x 100 ft., brick, steel and concrete, Detroit and Granger Aves., to J. Lauer, 1468 Spring Garden Ave. Archts. est. $150,000. Noted Nov. 27.

O., Lorain — CHURCH and SUNDAY SCHOOL — First Methodist Episcopal Church, C. B. Hess, pastor, 658 Reid St., 2 story and basement, 100 x 135 ft., brick and steel, to Graupner & Ule, Lorain. Archts. est. $160,000. Noted June 25.

Mich., Iron Mountain — SCHOOL — Bd. Educ. Breitung Twp., 2 story and basement, 65 x 215 ft., brick and tile, plain foundation, to A. J. Verville Co., Hancock, $110,540. Noted July 9.

Mich., Pontiac—CHURCH—First Presbyterian Church, 2 story and basement, rein.-con., brick and steel, plain foundation, to R. H. Daley, 400 Penobscot Bldg., Detroit. Archts. est. $150,000.

Mich., Port Huron — SCHOOL — Donaldson & Meier, archts., 1314 Penobscot Bldg., Detroit, 2 story and basement, 119 x 193 ft., rein.-con., brick and steel, plain foundation, Erie St., here, to Talbot & Meier, 250 West Lafayette Ave., Detroit, for St. Stephens Parish. Archts. est. $200,000. Noted June 11.

Ill., Joliet—CURCH—First Presbyterian Congregation, general contract 2 story and basement, rein.-con., brick and stone church and Sunday school, to Hanson & Peterson Constr. Co., Joliet, $130,984. Noted Mar. 6.

Ill., Princeton—HIGH SCHOOL—Township High School Bd., c/o D. E. Pamp, secy., 3 story, 70 x 320 ft., rein.-con., brick and stone, to A. Kulck, Dubuque. Engrs. est. $250,000. Noted July 16.

Minn., St. Paul—SCHOOL—Sacred Heart Roman Catholic Parish, 618 Arcade St., general contract 3 story and basement, rein.-con., brick and stone, 6th and Arcade Sts., to L. W. Baumeister & Son, 1146 Rose St. Total cost approximately $250,000.

Kan., Atchison—SCHOOL—Bd. Educ., general contract 2 story and basement, 88 x 110 ft. school, to Peterson Constr. Co., Salina, $88,208. Noted June 25.

Tex., Dallas—SCHOOL—Bd. Educ., c/o C. M. Moore, 2 story and basement, rein.-con., brick, stone and steel addition to Bowie School, to Mahaffey & Howard, Gaston Bldg., $117,700.

Okla., Tahlequah — SCHOOL — C. H. Burke, comr. Indian Affairs, Wash., D. C., addition to Sequoyah Orphan Training School, here, to W. L. Garner, Tahlequah, $15,226. Noted June 25.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co., general contract Mission High School, to MacDonald & Kahn, 130 Montgomery St., $807,340; electrical work, to Crown Electric Co., 153 Eddy St., $49,990; plumbing, to Burnham Plumbing Co., 1220 Webster St., $46,317; mechanical equipment, to Latourrette-Fiscal Co., 2612 9th St., Berkeley, $67,596. Grand total $971,243. Noted July 16.

Federal Government Work

PROPOSED WORK

Del., Bethany Beach—Well—Spec. 5131—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids artesian well at Radio Compass Sta., here.

Ore., Portland—Hospital—U. S. Veterans Bureau, Wash., D. C., plans survey of 25 acre site for proposed veterans hospital, Marquam Hill, here.

BIDS DESIRED

Conn., Danbury—Post Office—Aug. 14, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here; adv. E. N.-R. July 23.

Pa., Pottsville—Post Office—Aug. 18, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here; adv. E. N.-R. July 23.

Pa., Phila. — Remodeling — Aug. 7, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling steam engine in Post Office and Court House, here; adv. E. N.-R. July 23.

Pa., Pittsburgh—Lock Gates—Aug. 14, by U. S. Engineer Office, steel lock gates for Lock 4, Alleghany River; adv. E. N.-R. July 23.

Va., Norfolk—Barge—Aug. 17, by U. S. Engineer Office 4 x 18 x 50 ft. steel barge; adv. E. N.-R. July 23.

Ga., Savannah—Remodeling—Aug. 5, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling at Marine Hospital, here.

Fla., St. Augustine—Post Office—Aug. 17, by Treas. Dept. at office Supervising Archt., Wash., D. C., improving post office, here; adv. E. N.-R. July 23.

Ala., Florence—Rock Crusher—Aug. 1, by U. S. Engineer Office, 48 in. gyratory rock crusher at Wilson Dam.

Ala., Florence—Steel Shutter—July 27, by U. S. Engineer Office, War Dept., Wash., D. C., rolling steel shutter in power house at Wilson Dam, here.

La., New Orleans — Nurses Quarters — Aug. 12, by Treas. Dept. at office Supervising Architect, Wash., D. C., 1 story, 43 x 44 ft. nurses quarters, etc., here.

Ky., Louisville—Metal Work—July 31, by U. S. Engineer Office, P. O. Box 72, fixed work for Dams 49 and 50, Ohio River; adv. E. N.-R. July 23.

Ky., Louisville—Sheet Piling—July 29, by U. S. Engineer Office, P. O. Box 72, steel sheet piling for Dam 50, Ohio River; adv. E. N.-R. July 23.

Federal Government Work (Continued)

Ind., Indianapolis—Addition—Aug. 10, by Treas. Dept. at office Supervising Architect, Wash., D. C., new mezzanine in Registry Div., etc., at Court House and Post Office, here.

BIDS RECEIVED

Mass., Lowell—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., extending post office, here, from Garber & Cissel, Inc., Bethlehem, Pa., $9,000. Noted June 4.

Mass., Lynn—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here, from C. H. Holmes Constr. Co., 67 Bonair St., Somerville, $19,560. Noted June 4.

N. Y., Brooklyn—Quarters—Spec. 4937—Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters at Naval Hospital, from Waldeman Mortenser Co., Inc., 405 Lexington Ave., New York City, (1) $43,-134 (2) $225 (3) $375 (4) $1,625 (5) $475 (6) $50. Noted July 2.

D. C., Wash.—Boiler House—Spec. 5128—Bureau Yards & Docks, Navy Dept., addition to boiler house and chimney on Naval Hospital, from Concrete Oil Tank Co., 519 Mills Bldg., (1) $41,993 (2) $43,993 (3) $6,000 $7,000 (4) $7,180 $9,350 (5) $6,000 (6) $7,000 (7) $1,180, $2,350.

D. C., Wash.—Quarters—Spec. 5087—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending nurses quarters, from G. G. Loehler, (1) $99,700 (2) $400 (3) $60 (4) $200 (5) add $500. Noted Jan. 8.

CONTRACTS AWARDED

Fla., Jacksonville—Pipe Line Dredge—U. S. Engineer Office, Room 2805, Munitions Bldg., Wash., D. C., steam driven 20 in. pipe line dredge, to Ellicott Machine Corp., Bush and Severn Sts., Baltimore, Md., $374,175. Noted June 4.

Miss., Vicksburg—Levee Work—Mississippi River Comn., 175,000 cu.yd. levee work in Lower Yazoo Levee Dist., to R. P. Harris & W. Owens, Jackson, $136,150.

Ill., Belleville—Mooring Mast—U. S. War Dept., Wash., D. C., mooring mast, 200 ft. high, concrete and steel, at Scott Field, here, to Aircraft Development Co., General Motors Bldg., Detroit, Mich.

Unclassified

PROPOSED WORK

Park—Boston, Mass.—City, Park Dept., 33 Beacon St., plans public park on land bordered by Columbus Ave. Church, Stuart and Tennyson Sts., Park Sq. Dist. $300,000. J. B. Shea, chn.

Land Development, etc.—Daytona, Fla.—Daytona Stores plans develope 2400 acres and install swimming pool, roads and lighting system. J. E. Stratman, Daytona, treas.

Subway—Euclid, O. — Village & New York Central R.R., West 3rd St. and St. Clair Ave., Cleveland, plan rein.-con. subway, Bliss Rd. $276,400. G. C. Cleveland, c/o owner, consult engr.

Foundation—Indianapolis, Ind.—Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, O., soon lets contract foundation for 4 story war memorial, here, for Indiana World War Memorial. P. Comstock, 506 North Pennsylvania St., secy.

Generator Unit — Springfield, Ill. — City making specifications new turbo generator unit, 8,000 or 10,000 hp. to power plant. $125,000-$175,000. W. J. Spaulding, comr.

Swimming Pool — Kansas City, Mo. — See "Buildings—Educational, Religious."

Tourist Camp — Kansas City, Mo. — Kansas City Public Impvt. Assn., plans tourist camp, $100,000, and traffic signal light, $200,000.

Cemetery — St. Louis, Mo. — St. Paul's Evangelical Church, 3510 Giles Ave., purchased site and plans landscaping, concrete driveway, etc. St. Paul's Churchyard on Rock Hill Rd. near Gravois Rd. $500,000. Private plans.

Flood Control — Brownsville, Tex. — Comrs. Cameron Co., plan election $1,500,-000 bonds, flood control. O. C. Dancy, Brownsville, judge.

Subway — San Antonio, Tex. — International-Great Northern R.R. Co., Electric Bldg., Houston, plans Subway at El Paso St., here. $51,500. L. S. Schwinn, ch. engr.

Transmission Line—Oklahoma—Oklahoma Power Co., Okmulgee, plans 15 mi. 23,-000 v. transmission line from Okemah to Castle and Boley, with distribution system in each town. $30,000. C. H. Kretz, Okmulgee, engr.

Swimming Pool — Tulsa, Okla. — See "Buildings—Commercial."

Subway — Fresno, Calif. — Fresno Co. Road Dist. 2, making plans subway under tracks of Santa Fe R.R., in Van Ness Blvd. $50,000. A. Segel, 512 Griffith McKenzie Bldg., Fresno, engr.

Sub-Grade Crossing — Oakland, Calif. — City will appropriate $250,000 funds for constructing sub-grade crossing at 7th St. W. W. Harmon, city engr.

Wharf—Oakland, Calif.—City plans to appropriate $70,000 funds for garbage wharf and handling equipment. W. W. Harmon, city engr.

Grand Stand—Sacramento, Calif.—State Building Comn., having preliminary plans prepared rein.-con., brick and steel grand stand at fair grounds. G. B. McDougall, Forum Bldg., state archt.

Power Development — Ontario — Ontario Government authorized Hydro Power Comn., 190 University Ave., Toronto, to develop power on Ottawa River at Rocke Fendus Rapids, Chenaux Rapids 52 mi. west of Ottawa, Chat Falls 32 mi. west of Ottawa, Deschenes Rapids at Ottawa, Carillon Rapids Incl. fall in river at Point Fortune and Hawkesbury. $20,000,000.

Harbor Improvements — Canada — Dominion Government, Ottawa, Ont., plans new breakwater at Dingwall, Aspy Bay, N. S., $25,000, at Port Maitland, Ont., $25,-000, Grand Harbor, N. B., $25,000; extending breakwater at Victoria Beach $24,000; reconstructing breakwater at Collingwood, Ont., $35,000; dredging in East River, N. S., $20,000, at Petit de Grat, N. S., $38,-800, at Nicolet, Que., $22,000, Midland, Ont., $58,000, Rondeau, Ont., $32,000, Saulte Ste. Marie, Ont., $61,000, False Creek, B. C., $41,200; new wharf at Sydney, N. S., $30,000; extending wharf at Cap de la Madeline, Que., $30,000; extending wharf and dredging at Chandler, Que., $50,-000; protection work at Delta, Man., $33,-000, improving jetty at Fraser River, B. C., $34,000; harbor improvements at Matane, Que., $140,000 (Hammermill Paper Co. of Erie, Pa., will contribute $100,000); harbor improvements at Toronto, Ont., $215,000, and at St. John, N. B., $250,000; elevators at Prince Rupert, B. C., $685,000; paving roadways and sidewalks on Parliament Hill, Ottawa, Ont., $25,000; warehouse for Dept. Agriculture at Lake Erie, Ont., $60,-000; new bridge at Trent, Ont., $40,000, and one at McNabb, Ont., $2,500.

BIDS DESIRED

Ornamental Lighting Standards—Buffalo, N. Y.—July 27, by Commissioner Pub. Wks., Municipal Bldg., metal and concrete ornamental parkway electric light standards.

Street Lighting System—Akron, O.—July 29, by W. F. Peters, dir. Pub. Serv., for boulevard street lighting system on 9,400 ft. Elmdale Ave. et al. $43,000. E. A. Kemmler, Delaware Bldg., engr.

Field House—Chicago, Ill.—Aug. 2, by C. Hatzfeld, engr. and archt., 2 story, 37 x 70 ft., brick public building for park at North Central Park and Drake Ave., for Bd. Comn. Irving Park Dist., c/o architect. $25,000.

Heating and Ventilating—Murphysboro, Ill.—July 27, by Bd. Educ., S. B. McNeill, pres., heating and ventilating, plumbing, sewering and electrical work in new high school unit, etc. $25,000. R. Z. Gill, 1328½ Walnut St., archt.

Transmission Line — Wisconsin — See Contracts Awarded.

Stadium—Madison, Wis.—University of Wisconsin, J. D. Phillips, mgr., taking bids rein.-con. and steel addition to stadium at Camp Randall, $25,000. A. Peabody, State Capitol, engr. Noted May 29.

Gas Mains — San Antonio, Tex. — See "Contracts Awarded."

Underground Conduits—Oklahoma City, Okla.—See "Contracts Awarded."

Tunnel — Grass Valley, Calif. — See "Dams."

BIDS RECEIVED

Borings—New York, N. Y.—Bd. Transportation, 49 Lafayette St., July 17, borings along St. Nicholas and Ft. Washington Aves., Bway. and site of 207th St. yard, Agreement "DZ," from Sprague & Henwood Co., Inc., $12,059; furnishing track material Order 7, cur track spikes, screws, etc., from Bethlehem Steel Corp., 25 Bway., $2,824; rolled steel, from Track Specialties Co., Inc., 29 Bway., $6,320; malleable iron guards and tie plates, from Albany Malleable Co., Inc., Voorhesville St., Albany, $1,816; bolts, nuts, etc., from H. L. Usher, 50 Church St., $5,291. Noted July 9.

Police Alarm System, etc. — Knoxville, Tenn. — City Council complete equipment and installation police alarm and telephone system, from Gamewell Fire Alarm & Telegraph Co., 417 Dearborn St., Chicago, Ill., $49,435. Noted Apr. 30.

Playground, etc. — St. Louis, Mo. — Bd. Educ., 911 Locust St., grading, surfacing, etc., playgrounds Letting 2553, from Fleischer Cement Constr. Co., Railway Exch. Bldg., $30,975; Letting 2553 A, from G. Griffiths Constr. Co., 705 Olive St., $12,900.

Transmission Line—Oklahoma—Town of Quinlan, election July 21, $15,000 bonds, 10 mi. electric transmission line from Mooreland to Quinlan, incl. distribution system in town. Engineer not announced.

CONTRACTS AWARDED

Subway—Jersey City, N. J.—State Hy. Comn. Trenton, 1,600 ft. extension Route 1, etc., to Pub. Serv. Production Co., 80 Park Pl., Newark, $1,176,601. Noted July 9.

Transmission Line—Wisconsin—Wisconsin Power & Light Co., Gay Bldg., Madison, will build high power transmission line between Red Granite and Wautoma, by day labor. $35,000. Private plans.

Culverts—Sigourney, Ia.—Keokuk Co., 30 concrete box culverts in various sections of county, to Wallace Lumber Co., Sigourney, $27,060.

Transmission Line — O'Neil, Neb. — See "Buildings—Industrial."

Causeway — Dallas, Tex. — Bd. City Comrs., concrete causeway across Garza Reservoir at Fish Trap crossing of Trinity River, near Mingo Station, to Hill, Wilson & Watson, 603 North Texas Bldg., Dallas, $58,641. Engrs. est. $60,000. Noted June 11.

Gas Mains—San Antonio, Tex.—San Antonio Pub. Serv. Co., 201 North St. Marys St., will build 2 mi. 12 in. high pressure gas main from Cincinnati Ave. and Brazos St. to Elliott-Jones Refinery, by day labor. $25,000. Private plans.

Underground Conduits—Oklahoma City, Okla.—Southwestern Bell Telephone Co., 3rd St. and Bway., will build 2 mi. new underground conduits, new switchboard capacity for 5,000 telephones, and 5 mi. new lead cable, by day labor. $200,000. O. A. Jennings, Oklahoma City, engr.

Natatorium—Wynne Wood, Okla.—City, natatorium and 3 mi. 4 in. wrought iron pipe lines, from artesian wells, to W. L. Davis, Wynne Wood, $23,000. Engrs. est. $35,000.

Piers—Aberdeen, Wash.—City Council new piers under West Bridge, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, $93,192. Engrs. est. $100,000.

Breakwater—Long Beach, Calif.—City, rubble mound breakwater, moles, and bulkhead, to Hauser Constr. Co., Hutchinson Bldg., Oakland, $1.70 per ton. Noted July 9.

Lighting System—San Diego, Calif.—Common Council ornamental lighting system on India, B and C Sts., etc., to Globe Electric Wks., 300 6th St., $43,317. Noted July 16.

Lighthouses — Leamington, Ont. — Dept. Marine & Fisheries, Ottawa, lighthouse, incl. cribwork pier, to Detroit River Constr. Co., Windsor, about $130,000.

Materials

PROPOSED WORK

Rock Asphalt — Nashville, Tenn. — Bd. Pub. Wks. soon takes bids 1,200 tons rock asphalt for use on various streets. W. W. Southgate, city engr.

BIDS DESIRED

Paving Blocks—Brooklyn, N. Y.—July 29, by J. A. Guider, boro pres., Boro Hall, 75,-000 Grade 1 Standard 5 in. granite and 80,000 wood paving blocks.

Asphalt, etc.—Bushnell, Fla.—Aug. 11, by Bd. Comrs. Sumter Co., about 260,000 gal. asphalt, and 7,800 crushed stone or slag, f.o.b. cars point in Sumter Co. E. V. Camp & Associates, 1 North Maryland St., Atlanta, Ga., engrs.

Chlorine Gas, etc.—Cleveland, O.—July 31, by City, 400,000 lb. liquified chlorine gas and 1,000 tons sulphate of alumina.

Cement—Napa, Calif.—Napa Co. J. A. Daly, clk., in market for 6,000 bbl. Portland cement.

Wire—Melbourne, Australia—Aug. 19, by Secretary Victorian Government Rys., 10 mi. double braided copperclad line wire.

CONSTRUCTION NEWS

Engineering News-Record, July 30, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Hotel, Los Angeles, Calif., M. H. Hellman had plans prepared, $4,500,000.

Railway, Virginia, Big Sandy & Cumberland R.R. Co. plan 14.08 mi. of road, $2,500,000.

Plant, James City, Pa., Pennsylvania Plate Glass Co. having plans prepared, $2,000,000.

Apartment, New York, N. Y., Jatison Constr. Co., Inc., having plans prepared, $2,000,000.

Loft, New York, N. Y., M. E. Gossett having plans prepared, $2,000,000.

Union Station, Oklahoma City, Okla., Atchison, Topeka & Santa Fe R.R. Co. and others making preliminary plans, $1,500,000.

Camp construction and equipment, San Francisco, Calif., City and San Francisco Co. making preliminary plans, $1,348,878.

Theatre and office, Los Angeles, Calif., Warner Bros. had plans prepared, $1,250,000.

Apartment, New York, N. Y., I. Hohauser preparing plans, $1,200,000.

Apartment Hotel, Tulsa, Okla., A. and W. J. Sophian having preliminary plans prepared, $1,000,000.

Office, San Francisco, Calif., A. I. Esberg plans building, $1,000,000.

Bids Wanted On Big Jobs

Water-works improvement, Knoxville, Tenn., Sept. 16, city plans improvements and extensions, $2,500,000.

Hydro-electric plant, Clifton, Ariz., Sept. 15, W. H. Rosencranz takes bids for Commonwealth Power & Light Corp. of Arizona, $2,000,000.

Hotel, Chicago, Ill., Sept. 20, L. Guenzel takes bids for Eitel-Decker Hotel Corp., $1,600,000.

Theatre, San Antonio, Tex., Sept. 1, San Antonio Amusement Co., $1,500,000.

Bank and office, Wichita, Kan., July 27, Union National Bank, $1,500,000.

Theatre and office, Canton, O., H. H. Ink soon takes bids, $1,000,000.

Large Contracts Let During Week

Pier, Jersey City, N. J., Erie R.R. to Foley Bros., New York City, $3,000,000.

Dam, Glenmore, N. Y., to G. W. Thompson, Syracuse, $1,500,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
July 31	Brooklyn, N. Y.	July 23
Aug. 1	Cleveland, O.	July 23
Aug. 3	Ponca City, Okla.	July 30
Aug. 4	Durham, N. C.	July 23
Aug. 4	St. Louis, Mo. Adv. July 9 to 30.	July 9
Aug. 4	Menasha, Wis.	July 30
Aug. 4	New York, N. Y.	July 30
Aug. 5	Long Island City, N. Y.	July 30
Aug. 5	Cleveland, O.	July 30
Aug. 6	Lubbock, Tex.	July 30
Aug. 7	Okemah, Okla.	July 30
Aug. 12	Bartow, Fla.	July 30
Aug. 15	Staunton, W. Va.	July 30
Aug. 20	Salisbury, Md. Adv. July 30.	July 30
Sept. 4	Oakland, Calif. Adv. July 23 and 30.	July 9
	SEWERS	
Aug. 1	Chicago, Ill.	July 9
Aug. 3	Plainfield, N. J.	July 16
Aug. 3	Long Island City, N. Y.	July 30
Aug. 3	Port Chester, N. Y. Adv. July 30.	July 30
Aug. 3	Cornwall, Ont.	July 30
Aug. 3	St. George, N. Y.	July 30
Aug. 3	Westmont (Johnstown P. O.), Pa.	July 30
Aug. 4	Milwaukee, Wis.	July 30
Aug. 4	Lees Summit, Mo.	July 30
Aug. 4	Paducah, Ky.	July 9
Aug. 4	Belzoni, Miss.	July 16
Aug. 4	York, Pa.	July 30
Aug. 4	Columbus, O.	July 30
Aug. 5	Cleveland, O.	July 30
Aug. 5	Jackson, Mo.	July 30
Aug. 6	Valley City, N. D.	July 23
Aug. 6	Olean, N. Y. Adv. July 23 and 30.	July 23
Aug. 6	Lubbock, Tex.	July 30
Aug. 10	Palo Alto, Calif.	July 30
Aug. 11	Meadville, Pa. Adv. July 23 and 30.	July 23
Aug. 18	Lynn, Mass. Adv. July 30.	July 9
Aug. 18	Cudahy, Wis.	July 30
Aug. 29	San Angelo, Tex. Adv. July 30.	July 30
	WASTE DISPOSAL	
Aug. 18	Clarksdale, Miss.	July 23
	BRIDGES	
Aug. 3	Portchester, N. Y. Adv. July 16 to 30.	July 16
Aug. 4	Milwaukee, Wis.	July 30
Aug. 5	Roach (mail Salt Rock), W. Va.	July 9
Aug. 5	Biloxi, Miss. Adv. July 23 and 30.	July 23
Aug. 5	Atherley, Ont.	July 30
Aug. 6	Michigan	July 30
Aug. 7	Georgia	July 30
Aug. 11	St. Louis, Mo.	July 23
Aug. 11	Louisiana	July 23
Aug. 12	Aberdeen, Wash.	July 30
Aug. 12	Michigan	July 30
Aug. 15	Miles City, Mont.	July 30
Aug. 17	New Jersey	July 30
Aug. 17	California	July 30
Aug. 17	Oakland, Calif.	July 30
Aug. 18	Clearfield, Pa.	July 23
Aug. 18	Puyallup, Wash.	July 30
Aug. 19	Alabama	July 23
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
July 31	Brooklyn, N. Y.	July 23
Aug. 4	Council Bluffs, Ia.	July 30
Aug. 4	Greenfield, Ia.	July 30
Sept. 12	Texas	July 23
	STREETS AND ROADS	
July 31	New York Adv. July 16 to 30.	July 16
July 31	Beaumont, Tex.	July 23
July 31	Wauwatosa, Wis.	July 23
July 31	Fond du Lac, Wis.	July 23
July 31	Ohio	July 23
Aug. 1	Birmingham, Ala.	June 25
Aug. 3	Pineville, W. Va. Adv. July 9 to 30.	July 9
Aug. 3	New York Adv. July 16 to 30.	July 16
Aug. 3	New Mexico	July 16
Aug. 3	Fayetteville, W. Va. Adv. July 16 to 30.	July 16
Aug. 3	Mt. Union, Pa.	July 23
Aug. 3	Camden, N. J.	July 23
Aug. 3	Charleston, W. Va.	July 23
Aug. 3	California	July 23
Aug. 3	Richmond, Ind.	July 23
Aug. 3	Shoals, Ind.	July 23
Aug. 3	Martinez, Calif.	July 23
Aug. 3	Long Island City, N. Y.	July 30
Aug. 3	Minneapolis, Minn.	July 30
Aug. 3	Sedalia, Mo.	July 30
Aug. 3	Peoria, Ill.	July 30
Aug. 3	St. George, N. Y.	July 30
Aug. 4	North Milwaukee (Milwaukee P. O.), Wis.	July 30
Aug. 4	Meridian, Miss.	July 30
Aug. 4	Gulfport, Miss.	July 30
Aug. 4	Columbus, O.	July 30
Aug. 4	Maryland	July 30
Aug. 4	Long Island City, N. Y.	July 30
Aug. 4	Florida	July 16
Aug. 4	West Virginia	July 23
Aug. 4	Auburn, Ind.	July 23
Aug. 4	Valparaiso, Ind.	July 23
Aug. 4	Plymouth, Ind.	July 23
Aug. 4	Boonville, Ind.	July 23
Aug. 4	Tampa, Fla.	July 30
Aug. 4	Cincinnati, O.	July 30
Aug. 5	Delaware	July 16
Aug. 5	Rye, N. Y. Adv. July 23 and 30.	July 23
Aug. 5	Milwaukee, Wis.	July 30
Aug. 5	Mansfield, La.	July 30
Aug. 5	St. George, N. Y.	July 30
Aug. 6	New York, N. Y.	July 30
Aug. 6	Michigan	July 23
Aug. 7	Ebensburg, Pa.	July 23
Aug. 7	Boston, Tex.	July 23
Aug. 7	New York, N. Y. Adv. July 23 and 30.	July 30
Aug. 7	Texas	July 30
Aug. 7	Olathe, Kan.	July 30
Aug. 7	Georgia	July 30
Aug. 8	Rosemont, N. J.	July 30
Aug. 9	Chickasha, Okla.	July 9
Aug. 10	California	July 23
Aug. 10	Michigan	July 23
Aug. 10	Akron, O.	July 30
Aug. 10	San Diego, Calif.	July 30
Aug. 10	Idaho	July 30
Aug. 10	Michigan	July 30
Aug. 11	Saranac Lake, N. Y. Adv. July 30.	July 30
Aug. 11	Merced, Calif.	July 30
Aug. 11	Clayton, Mo.	July 9
Aug. 11	Brooklyn, N. Y. Adv. July 16 to 30.	July 16
Aug. 11	St. Louis, Mo.	July 23
Aug. 11	Michigan	July 23
Aug. 11	Arcadia, Fla. Adv. July 23 and 30.	July 23
Aug. 11	Maryland Adv. July 30.	July 30
Aug. 11	Springwells, Mich.	July 30
Aug. 12	West Virginia Adv. July 30.	July 23
Aug. 12	Michigan	July 23
Aug. 12	Providence, R. I. Adv. July 30.	July 30
Aug. 13	Fresno, Calif.	July 30
Aug. 18	Washington	July 30
Aug. 18	Owatonna, Minn.	July 30
Aug. 18	Gainesville, Fla.	July 30
Aug. 19	Alabama	July 23
Aug. 24	Kentucky	July 23
Sept. 22	New Orleans, La.	July 2
Sept. 24	New Orleans, La.	July 2
	BUILDINGS—INDUSTRIAL	
Aug. 1	Stamford, Conn.	July 30
Oct. 13	Durban, South Africa Adv. July 30.	July 30
	BUILDINGS—COMMERCIAL	
July 31	Phila., Pa.	July 23
July 31	Milwaukee, Wis.	July 23
July 31	Phila., Pa.	July 30
Aug. 1	Chicago, Ill.	July 30
Aug. 3	Des Moines, Ia.	July 30
Aug. 3	Janesville, Wis.	July 30
Aug. 4	Milwaukee, Wis.	July 30
Aug. 5	New York, N. Y.	July 23
Aug. 10	Pittsburgh, Pa.	July 30
Aug. 10	Lehighton, Pa.	July 30
Aug. 10	Saginaw, Mich.	July 30
Aug. 12	Little Rock, Ark.	July 23
Aug. 16	Raybrook, N. Y. Adv. July 23 and 30.	July 23

Bids Close — See Eng. News-Record

BUILDINGS—EDUCATIONAL, RELIGIOUS

Aug. 1 Providence, R. I. .....July 30
Aug. 1 Greencastle, Ind. .....July 30
Aug. 3 Shattuck, Okla. .....July 23
Aug. 3 Picture Rocks, Pa. .....July 30
Aug. 3 Detroit, Mich. .....July 30
Aug. 3 Peterboro, Ont. .....July 30
Aug. 6 North Medford, Mass. ....July 30
Aug. 7 Bloomsburg, Pa. .....July 30
Aug. 10 Faribault, Minn. .....July 30
Aug. 10 Onsted, Mich. .....July 30
Aug. 11 New Orleans, La. .....July 30
Aug. 12 New Philadelphia, O. .....July 30
Aug. 14 Great Neck, N. Y. .....July 30
Adv. July 30.

FEDERAL GOVERNMENT WORK

July 31 Waterworks—Wash., D. C..July 9
Adv. July 9 to 30.
July 31 Post Office—Ithaca, N. Y..July 16
July 31 Pipe Line—Wash., D. C...July 16
July 31 Dredging — New Haven, Conn. .....July 2
July 31 Metal Work—Louisville, Ky. .....July 23
Adv. July 23 and 30.
Aug. 1 Rock Crusher—Florence, Ala. .....July 23
Aug. 3 Wicket Iron, etc.—Louisville, Ky. .....July 9
Adv. July 9 to 30.
Aug. 3 Stone—Phila., Pa. .....July 16
Aug. 4 Hospital—Hot Springs, S. D. .....June 25
Aug. 4 Water Piping—Boston, Mass. .....July 16
Aug. 4 Metal Doors—Florence, Ala. .....July 16
Adv. July 16 to 30.
Aug. 4 Boilers—Kirksville, Mo. ...July 30
Aug. 5 Dredging—Baltimore, Md..July 9
Adv. July 9 to 30.
Aug. 5 Remodeling—Lexington, Ky. .....July 16
Aug. 5 Welfare Building—Phila., Pa. .....July 16
Aug. 5 Remodeling—Savannah, Ga. .....July 23
Aug. 5 Alterations—Wash., D. C..July 30
Aug. 5 Marine Boilers—New Orleans, La. .....July 30
Aug. 6 Dredging—Boston, Mass...July 9
Adv. July 2 to 30.
Aug. 7 Remodeling—Phila., Pa. ...July 23
Adv. July 23 and 30.
Aug. 10 Addition — Indianapolis, Ind. .....July 23
Aug. 11 Post Office—Steubenville, O. .....July 30
Aug. 12 Nurses Quarters—New Orleans, La. .....July 23
Aug. 14 Lock Gates—Pittsburgh, Pa. .....July 23
Adv. July 23 and 30.
Aug. 14 Post Office — Danbury, Conn. .....July 23
Aug. 14 Oil Outfits—Detroit, Mich..July 30
Adv. July 30.
Aug. 15 Repair Shop—Maywood, Ill. .....July 30
Aug. 17 Barges—Norfolk, Va. ... July 23
Aug. 17 Post Office—St. Augustine, Fla. .....July 23
Aug. 17 Hospital—Memphis, Tenn..July 30
Aug. 18 Post Office—Pottsville, Pa..July 23
Aug. 19 Post Office—Birmingham, Ala. .....July 30
Aug. 19 Mains—Norfolk, Va. .....July 30
Aug. 19 Artesian Well—Bethany Beach, Del. .....July 30
Aug. 20 Power Plant—Yuma, Ariz..July 16
Aug. 21 Post Office—Warren, O. ...July 30
Aug. 29 Freight Elevator—San Diego, Calif. .....July 30
Sept. 2 Radio Tower—Mare Island, Calif. .....July 30

UNCLASSIFIED

July 31 Station Platform—Brooklyn, N. Y. .....July 30
July 31 Station Finish—Brooklyn, N. Y. .....July 30
Aug. 2 Field House—Chicago, Ill..July 23
Aug. 4 Piers—St. Petersburg, Fla. .....July 30
Aug. 5 Beach—Coney Island (Brooklyn P. O.), N. Y. .....July 30
Aug. 6 Lighting System—Ellwood City, Pa. .....July 30
Adv. July 30.
Aug. 10 Earth Fills—Sandford, Fla. .....July 30
Aug. 10 Electric Capstans, etc.—Napier, New Zealand .....June 25
Aug. 11 Jetty—Avon, N. J. .....July 30
Adv. July 30.
Aug. 17 Jetty, etc.—Barnegat City, N. J. .....July 30
Adv. July 30.
Aug. 18 Subway—Phila., Pa. .....July 16
Oct. 1 Foundation—Madison, Wis.July 30

Bids Close — See Eng. News-Record

MATERIALS

Aug. 3 Ties—Montreal, Que. .....July 16
Aug. 7 Ties and Timber—Flushing, N. Y. .....July 30
Aug. 11 Asphalt, etc.—Bushnell, Fla. .....July 23
Aug. 12 Steel Sheets—Melbourne, Australia .....July 16
Aug. 19 Wire — Melbourne, Australia .....July 23
Aug. 26 Rails—Melbourne, Australia .....July 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Pitman—Plans Lane well with 400 g.p.m. capacity, pumping house, etc. $35,000. J. C. Remington, 501 Market St., Camden, engr.

La., Port Allen — Plans 8,000 ft. 8 in., 10,500 ft. 6 in. and 4,200 ft. 4 in. mains in various streets. $60,000.

Tenn., Bluff City — Voted $50,000 bonds, waterworks plant.

Tenn., Knoxville—Made plans and takes bids about Sept. 16, waterworks extensions, improvements and betterments. $2,500,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs. Noted Apr. 16.

Mich., Detroit—Plans 6 in. mains in 1,360 ft. Beland Ave., 1,375 ft. Greenlawn Ave., 1,080 ft. Prescott Ave., 2,650 ft. Bonaparte Ave., 8 in. mains in 225 ft. Six Mile Rd., 3,620 ft. Hereford Ave., and 1,360 ft. Tappert Ave. G. W. Fenkell, 232 East Jefferson Ave., genl. mgr.

Ill., Chicago—See "Streets and Roads."

Mo., Bernie—Election Aug. 4, $52,000 bonds waterworks.

Mo., Senath—Voted $68,000 bonds waterworks, distribution system and sanitary sewers, etc., in various streets. B. O. Bennett, Caruthersville, engr. Noted June 11.

Ark., Paris—Made plans 7,000 ft. 4 and 6 in. mains, gravity filter plant, concrete dam, etc. $73,187. Ford & McCrea, 220 Gazette Bldg., Little Rock, engrs.

Tex., Loraine—Election Aug. 11, $30,000 bonds waterworks improvements, incl. additional mains and pumping equipment. Address Mayor.

Tex., San Antonio—San Antonio Waterworks, etc. making surveys 3,000 ft. 6 in. mains in Palm Heights, also an automatic pump for a 50,000 gal. stand pipe. I. Ewig, city engr. Noted June 25.

Okla., Apache—Making preliminary plans well, pump, motor, well house and 1,200 ft. 6 in. c.i. mains in various streets. $15,000. Engineer not selected.

Okla., Chandler—City retained Holway Eng. Co., engrs., 503 Wright Bldg., Tulsa, to prepare report for waterworks extensions and improvements. $250,000. Noted Mar. 19.

Okla., Dewey—Making preliminary plans additional well and pumping equipment for waterworks. $20,000. Engineer not selected.

Wash., Tacoma—City Water Dept. plans complete reorganization water system, incl. tentatively replacing Green River gravity line 42 mi. wooden pipe, and constructing 3 new additional storage reservoirs, etc. $3,000,000. W. A. Kunigk, supt.

Calif., Roseville — Roseville Water Co. making plans 35,000 ft. 1- to 6-in. water pipe, also 11- to 28-in. mains in various streets.

BIDS DESIRED

N. Y., Long Island City—Aug. 5, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Casino and Hamilton Places, 84th Dr., Shore Acres Blvd., Hanford and Utopia Parkways, 33rd Rd., Anable, 14th, 37th, 45th, 8th, Clinton, 53rd, Cherry, Phillips, Robinson, 202d, and 84th Aves., Hulst, Moore, Herbert, 159th, 161st, 220th, Loubet, Manse, and Smedley Sts., here.

N. Y., New York — Aug. 4, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Crotona Parkway, Mosholu Parkway North, Grand Concourse, Corler Perry, Reservoir, Tibbett, Walton and Wayne Aves., McClellan, East 161st, 175th, 205th, West 171st, 232nd and 236th Sts.

Md., Salisbury — Aug. 20, by Water & Sewer Comn., pumping station equipment. Contr. 9. F. H. Dryden, ch. engr.; adv. E. N.-R. July 30.

Va., Staunton—Aug. 15, by W. F. Day, city mgr., concrete reservoir for North River Extension, Contr. 4; adv. E. N.-R. July 30.

Fla., Bartow—Aug. 12, by City, 2 water tube boilers and superheaters, 2 boiler pumps, one 1,000 kw. turbine driven generating unit, 1 surface condensor, two 1,000 g.p.m. low head, and one 1,500 g.p.m. high head centrifugal pumps, two 600 hp. Diesel engines, and equipment for pumping plant. E. V. Camp and associates, Bartow, engrs.

Tenn., Memphis — Walnut Grove Land Co., c/o G. O. Waring, 411 McCall Bldg., in market for 100,000 gal. steel tank with electrical automatic motor to handle equipment for water supply for sub-division of 200 acres.

O., Cleveland — Aug. 5, by Bd. Comrs. Cuyahoga Co., mains in Blount St., Impvt. 653. $15,000. R. Hoffman, City Hall, engr.

Wis., Menasha—Aug. 4, by J. F. De Caro, city clk., chlorinating machine for waterworks plant, here.

Mo., Lees Summit—See "Sewers."

Tex., Greenville—City taking bids waterworks improvements, etc. M. C. Hale, city clk.; adv. E. N.-R. July 30.

Tex., Lubbock—Aug. 6, by E. R. Friend, mayor, and City Comn., Contr. 15, 3 motor driven pumping units, f.o.b. Lubbock; Constr. 16, 1 m.g. concrete covered reservoir near east well site; Contr. 17, 50,000 gal. concrete covered reservoir at northwest well 2, 2 pump houses, etc.; Contr. 18, 3,500 lin.ft. 8 in. Class B or the La Vaud class 150 c.i. pipe line, etc. Hawley & Roberts, Cotton Exch. Bldg., Ft. Worth, engrs. Noted July 16.

Tex., San Antonio — Taking bids steel tank in Laurel Heights on Shock Ave., etc. $85,000. I. Ewig, city engr.

Okla., Okemah—Aug. 7, by J. S. Price, city clk., new 1 m.g. rapid sand filter plant, pumping station, transmission line, 2 tanks and 7,800 ft. 8 in. and 23,300 ft. 12 in. c.i. mains in various streets. $200,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Ponca City—Aug. 3, by C. E. Norton, city clk., 2 m.g. concrete reservoir, and 1,400 cu.yd. concrete. Burns & McDonald Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs. Noted June 18.

Calif., Eureka — J. Griffiths, supt. Pub. Wks., in market 12,500 ft. 2 in. standard black pipe, random lengths, for Water Dept.

BIDS RECEIVED

Mass., Boston—Dept. Pub. Wks., (High Pressure Service), high pressure fire pipes in Atlantic and Dorchester Aves., Richmond, Fulton, Congress and Lewis Sts., from V. Barletta, 10 Whipple Ave., West Roxbury, $65,756. Noted July 16.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ave. I, Parksville St. and St. Marks Ave., etc., here, from Knight & DeMicco, Inc., 448 East Tremont Ave., New York City, $59,746. Noted July 16.

Pa., Phila. — Dept. Pub. Wks., Bureau Water, Contr. 766, 50,000 lb. pig lead, from N. Trotter & Co., 36 North Front St., $4,285; Contr. 767, pitometer survey of trunk mains of water distribution system, from Pitometer Co., 50 Church St., New York City, N. Y., $17,000; Contr. 768, 600 wash water troughs, from J. B. McHugh, 892 North Markoe St., $9,548; Contr. 769, 150 tons c.i. pipe and 100 tons c.i. specials, from R. D. Wood & Co., 400 West St., $20,846. Noted July 16.

Wash., Seattle—Bd. Pub. Wks., 7,286 ft. 6- to 20-in. c.i. mains and gate valves, etc., in East 55th St. et al., from Interstate Constr. Co., Thompson Bldg., $55,733. Engrs. est. $56,794.

Wash., Seattle — Bd. Pub. Wks., July 10, 3,583 ft. 4- to 30-in. mains in 42nd Ave. S., from J. L. Smith, Pioneer Bldg., $55,969. Engrs. est. $68,032

CONTRACTS AWARDED

Mass., Lynnfield—City of Peabody, 4,000 ft. 30 in. c.i. mains, etc. in various streets, to G. Ferullo, 31 North Sq., Boston, $13,275. Engrs. est. $15,000.

N. Y., Baldwin — W. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, steam piping at Milburn pumping station, here, to Johnston Heating Co., 131 East 26th St., New York City, $27,585. Noted July 16.

Waterworks (Continued)

Miss., Jackson—Mayor and City Commissioners at office A. J. Johnson, city clk., electric motors, pumps, etc., for pumping station, to A. M. Lockett & Co., Ltd., 521 Baronne St., New Orleans, La., approximately $20,000. Noted July 2.

Ill., West Frankfort—City, 6 mi. 16 in. c.i. mains from city reservoir to settling basin, etc., to Katz Constr. Co., Dimmick Hotel. Engrs. est. $550,000.

Wis., Grantsburg—C. A. Taylor, city clk., 10,900 ft. 6 in. and 2,100 ft. 8 in. c.i. pipe, sixteen 6 in. and six 8 in. gate valves, elevated tank on tower, wells, etc., to Eklund Constr. Co., Duluth, Minn., $23,967. Noted June 25.

Wis., Milwaukee—Dept. Pub. Wks., c.i. mains in various streets, Notice 93, to Mierswa Constr. Co., 1619 Oregon St., Oshkosh, $14,549; Notice 95, to H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, $7,809. Noted July 23.

Wis., West Milwaukee—S. J. Brew, village clk., approximately 2 mi. 6 and 8 in. c.i. mains in various streets, to F. E. Kaminski, 745 46th Ave., West Allis, $20,-909. Noted July 16.

Minn., St. Paul — Ramsey Co. sinking well for pumping water into Bald Eagle Lake, to McCarthy Well Co., Wabash Ave. and Eustis St., $7,211, with provision to install larger well if necessary, $9,380; sinking well for pumping water into Owasso Lake, to G. W. Keyes, 413 Lexington Ave., $7,323, with provision for larger well, $9,540. Noted June 25.

Ark., Lepanto — Comrs. Water Dist. 1, waterworks and distribution system, to N. S. Sherman Machine Co. & Iron Wks., 18-32 East Main St., Oklahoma City, Okla., $32,611. Engrs. est. $46,800. Noted July 2.

Tex., Comanche — Waterworks improvements, incl. impounding and storage dam, spillway, etc., to McCall Eng. Co., Amicable Bldg., Waco, $56,078. Engrs. est. $60,000. Noted July 16.

Okla., Wynne Wood—M. H. Deal, city clk., 4 mi. 6 in. c.i. pipe line, to W. W. Deal, Wynne Wood, $0.19875 per ft. 24 in. ditch; bathhouse and swimming pool, to W. L. Davis, Madill, $13,000. Noted July 9.

Wash., Aberdeen—City Council, clearing and 140,000 cu.yd. grading for Fairview Reservoir 2, to Kennedy Bros., Aberdeen, $53,400.

Sewers

PROPOSED WORK

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, plans additional sewerage works in Lagrange and Lark Sts., here. $25,000. J. A. Rourke, comr. Noted May 14.

R. I., Providence—Plans sewerage works in Durham, Ardmore, Modena and Gentian Sts. $25,000. J. B. Ballard, chn. Com. on Sewers.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids July 14, sewers in 163rd and Sandford Sts.

Ala., Birmingham—Plans storm sewer in Woodlawn dist. $161,600. C. E. Armstrong, controller.

Mich., Caspian — Plans extending sewers in various streets. $32,000 appropriated. H. F. Richardson, city trustee. Engineer not selected.

Mich., Escanaba — Making plans sewage disposal plant. $125,000. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Mich., Kingsford (mail Iron Mountain)—C. W. Seiler, village clk., soon takes bids 15 and 48 in. sewers in various streets. $264,968. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Mich., Lincoln Park—Made plans 10,000 ft. 8- to 15-in. sanitary sewers in Assessment Dists. 54, 55 and 56. E. H. Pate, 603 Transportation Bldg., Detroit, engr.

Ill., Belleville — Made preliminary plans straightening Richland Creek, intercepting sewers, parking and clearing creek banks, etc. $677,349. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs. Noted Feb. 4.

Ill., Chicago—See "Streets and Roads."

Ill., Decatur — Making preliminary plans sanitary sewerage system for North Side Dist., $442,876; and for Riverside or Southeast Dist., approximately $350,000. Holbrook, Warren & Van Prage, Decatur, engrs. Noted Jan. 8.

Wis., Argyle — R. Gichar' city clk., Making plans complete sewerage system. $25,000. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Wis., De Pere—City, c/o M. J. Maes, city clk., plans extending sewers in various streets. $25,000. M. J. Maes, city clk.

Kan., Newton — Making plans sanitary sewers in various streets. $60,000. Shockley Eng. Co., 800 Graphics Arts Bldg., Kansas City, Mo., engrs.

Mo., Senath—See "Waterworks."

Tex., Brownfield — Voted $50,000 bonds, disposal plant and sewers in various streets. M. L. Copeland, secy. owner.

Tex., Houston — Making plans storm sewer in Clay St. from Chartres to St. Emanuel St. $25,000. J. C. McVea, city engr.

Tex., Schulenberg — Election Aug. 11, modern sewerage system. Address City Engineer.

Okla., Elk City—Voted $136,000 bonds, improving sewerage system, incl. sanitary sewers, disposal plant, etc. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Apr. 9.

Okla., Oklahoma—City plans election to vote bonds for outfall sewers, etc. Date and amount not yet decided. This corrects report in July 2 issue. B. M. Hart, city engr.

Calif., Los Angeles — Takes bids about Aug. 11, rein.-con. storm drains, vitr. pipe, etc., in Glanell Ave., Allen St., west of 63rd, 59th, 37th Sts. H. A. Van Norman, city engr.

BIDS DESIRED

Mass., Lynn—Aug. 18, by Comn. Ways & Drainage, at Office Purch. Agt. and City Engineer, City Hall, 15,000 ft. c.i. pipe, f.o.b. Lynn. Morris Knowles, Inc., engrs.; adv. E. N.-R. July 30.

R. I., Providence — July 27, by Comn. Pub. Wks., sewerage works in Laurel Court, Job, Seamans and Barstow Sts. $25,000. R. W. Eaton, City Hall, engr.

N. Y., Long Island City—Aug. 3, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Farmers Blvd., Tieman Ave. and 84th St.

N. Y., New York — See "Streets and Roads."

N. Y., Port Chester—Aug. 3, at office F. G. Schmidt, village clk., sewage ejector plant, etc. C. E. Smith, pres.; adv. E. N.-R. July 30.

N. Y., St. George — Aug. 3, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in Hylan Blvd.

Pa., York — Aug. 4, by City, additions and improvements to sewage disposal plant, incl. three 2 story settling tanks, approximately 86 ft. long, 85 ft. wide and 32 ft. deep (outside dimensions), eight 215 ft. sludge drying beds, 20 ft., and 215 ft. concrete conduit, etc. C. F. W. Wallow, city engr.

Pa., Westmont—Aug. 3, by Boro Council, c/o O. P. Thomas, engr., Park Bldg., Johnstown, 2 mi. 8- to 15-in. terra cotta sewers, etc., in various streets. Separate bids for sewer pipe, f.o.b. Johnstown.

O., Cleveland—Aug. 5, by City, sewers in Brackland Ave. N. E. (outlet), Puritas Ave., S. W. Nine Mile Creek. Trisket Rd. N. W., and Urbana Rd., N. E., culvert east of Delvan Rd., $150,000. R. Hoffman, City Hall, engr.

O., Cleveland — Aug. 5, by Bd. Comrs. Cuyahoga Co., 4,100 lin.ft. 10- to 18-in. vitr. clay and 600 lin.ft. brick egg shaped sewer in Villa Park Subdivision, Impvt. 504. To exceed $25,000. F. Williams, Court House, engr.

O., Columbus—Aug. 4, by W. H. Duffy, dir. Pub. Serv., 730 ft. 8 in. sanitary sewer in eastment north of Longview Ave. $1,906, 12,000 ft. 8 in. sewer in Palmetto Ave. $51,-689, 7,710 ft. 6 and 8 in. in alley north of Walhalla Rd. $20,791. R. R. Simpson, city engr.

Wis., Cudahy—Aug. 18, by C. H. Wolbert, city clk., 960 ft. 60- or 72-in. rein.-con. outlet sewer in Allerton Ave. $40,000. R. Steinbagen, 845 38th St., Milwaukee, engr.

Wis., Milwaukee — Aug. 4, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., Menomonee Valley sewer extension, incl. 6,760 ft. 18 and 24 in. terra cotta pipe, 225 vertical ft. standard manholes. T. C. Hotton, c/o owner, engr. Noted May 28.

Minn., Owatonna — See "Streets and Roads."

Mo., Jackson—Aug. 5, by H. A. Paar, city clk., 2 sewage disposal plants, 47,130 ft. 6- to 12-in. vitr. clay sewers in various streets. $65,000. E. Flad & Co., 1312 Chemical Bldg., St. Louis, engrs. Noted July 23.

Mo., Lees Summit—Aug. 4, by City, complete sanitary sewerage system $77,000, also extensions to water mains in various streets, $10,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs. Noted July 23.

Tex., Lubbock—Aug. 6, by F. B. Friend, mayor, and City Council at office of J. R. Germany, city secy., Contr. 19, 6 mi. 6- to 15-in. sanitary sewers; Contr. 20, 7 mi. 6- to 12-in. sanitary sewers north of 19th St.; Contr. 21, 4½ mi. 6- to 10-in. c.i. mains in 19th St.; Contr. 22, 4.75 mi. 6- to 8-in. c.i. mains north of 19th St. Hawley & Roberts, 403 Cotton Exch. Bldg., Ft. Worth, consult. engrs. Noted July 16.

Tex., San Angelo — Aug. 29, by W. D. Holcomb, mayor, at office of E. V. Spence, city mgr., sewerage system, sewage treatment plant and concrete bridge; adv. E. N.-R. July 30.

Calif., Palo Alto—Aug. 10, by City Council, 19,347 ft. 12- to 27-in. concrete sewers, etc., in Oregon, Seale Aves., etc. Former contracts rescinded, due to error in proceedings. J. F. Bxybee, Jr., city engr. Noted May 28.

Ont., Cornwall—Aug. 3, by J. G. Harkness, town clk., 8,800 ft. 3 in. rein.-con. trunk sewer in Fly Creek. $70,000. W. H. Magwood, town engr.

Ont., North Bay — See "Contracts Awarded."

BIDS RECEIVED

Ia., Villisca—For 17,168 ft 8- to 12-in. vitr. clay sewers in various streets, from F. B. Corey, Shenandoah, $14,795. Noted July 2.

Tex., Lufkin—For sewage disposal plant and extending sanitary sewers in various streets, from J. S. Moore & Sons, Lufkin, $73,912. Engrs. est. $75,000.

Wash., Seattle — Bd. Pub. Wks., trunk sewer in Michigan St. et al, from F. Arcorace, A $289,756, B $290,672. Noted July 23.

Wash., Seattle—Bd. Pub. Wks., July 10, 9,450 ft. 8- to 18-in. sewers, etc., in Orcas St. et al, from F. Agostino, 1318 21st St., $36,384. Engrs. est. $36,537.

Calif., Los Angeles — Los Angeles Co., July 13, from S. Zarubica, 1738 Orange Grove Ave., sewers in Formosa Ave., Santa Monica Blvd., etc., 35,840 ft. 8 in. vitr. pipe $1.17 per ft., 3,660 ft. 10 in. pipe $1.67, 1,820 ft. 12 in. pipe $1.93, 290 ft. 15 in. pipe $2.93, 25 ft. 10 in. pipe $1.67, 20,000 6 in. house sewers $0.97, etc., total $86,246.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., storm sewers in 192nd St., to J. Gallo, 203 Division St., Brooklyn, $123,634; Sinclair Ave., to C. Pettracca, 737 Kathleen Court, Brooklyn, $7,515. Noted July 23.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewers in 150th St., etc., to Oxford Eng. Constr. Co., $546,325. Noted July 16.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in River and Underhill Aves., to J. V. Timoney Constr. Co., 220 East 201st St., $17,806 and $3,189 respectively; Fenton and Cromwell Aves., to Slack & Slack Corp., 1621 Gates Ave., $8,775 and $6,900 respectively; Grace Ave., to R. L. Sullivan, Dorothy Pl., $7,237; Wilkinson Ave. from Eastern Blvd., to Westchester Ave., to C. W. MacDonald, 1910 Webster Ave., $4,502; Wilkinson Ave. from Mayflower to Hobart Aves., to Fiorello & Koch, 1895 Belmont Ave., $5,216; receiving basins in Bronxwood Ave., etc., to A. Gregorio & Co., 1129 8th Ave., $1,893. Noted July 23.

Pa., Phila. — Dept. Pub. Wks., Bureau nEngineering, to J. J. McHugh, 1617 Race St., main sewer in Ashdale St. $104,725, branch sewers in Broad St. $46,483, and Elmwood St. $27,717; to E. Pascuzzi Co., Lincoln Bldg., main sewer in Erie Ave., $290,634; to F. T. Backins, Jr., 4050 Kensington Ave., main sewer in Harrison St. $45,000, inlets and lateral sewers $40,020; to A. Mattia, 310 North 65th St., branch sewers in Bermuda St. $2,384, Cooper St. $2,204; to A. Frunzi, 513 High St., branch sewer in Austin St. $4,481, Howell St. $5,853, Tulip St. $8,055; to F. DiPaszuale, 1215 South 7th St., branch sewers in Jenks St. $6,362, Towesdale St. $22,128; to J. Lombardi, Lincoln Bldg., branch sewers in 75th St. $37,-430; to V. S. Campelloni, 812 West Vanango St., branch sewer in Vandike St., $4,872; to J. Moss, 1652 Wakeling St., branch sewer in Vankirk St. $4,485; to Vare Constr. Co., 1120 Race St., collecting sewer in 80th St., $167,026. Grand total $819,859.

Tenn., Dayton—Sanitary sewers in various streets, to J. B. McCrary Co., Citizens and Southern Bank Bldg., Atlanta, Ga. Engrs. est. $50,000.

Sewers (Continued)

O., Akron—W. F. Peters, dir. Pub. Serv., (e. e. means engrs. est.), to Columbus Asphalt Paving Co., 304 Buckeye Bldg., grading, curbing and vitr. brick paving, 3,700 sq.yd. Damon St. $22,164 e. e. $30,200, 6,440 sq.yd. Madison Ave., $40,320 e. e. $54,200, 1,700 sq.yd. 6th Ave., $8,946 e. e. $1,180; to T. E. McShaffrey Constr. Co., 173 South Forge St., 7,070 sq.yd. Greenwood Ave., $56,636 e. e. $53,000, 10,500 sq.yd. Ackley St. et al., $89,637 e. e. $106,000; to McCourt Constr. Co., 369 South Main St., 1,175 sq.yd. Cranz Pl., $7,067 e. e. $9,500; to Central Associated Realty Co., 403 Ohio Bldg., 920 sq.yd. Albion Ave., $3,141 e. e. $4,300. Grand total $227,911. Noted July 23.

Mich., Grand Rapids — Director Pub. Serv., City Hall, constructing Marion-Lane Relief Sewer Project, Contr. Q-2, to Peninsular Constr. Co., Grand Rapids. Noted July 2.

Wis., Grantsburg — C. A. Taylor, city clk., 11,640 lin.ft. 8- to 12-in. vitr. sewers, etc., in various streets, to Eklund Constr. Co., Duluth, Minn., $15,343. Noted June 25.

Wis., West Milwaukee—S. J. Brew, village clk., approximately 2 mi. 6 and 8 in. sewers in various streets, to F. E. Kaminski, 745 46th Ave., West Allis, $21,746. Noted July 16.

Mo., Clayton—St. Louis Co., Court House, 25,049 ft. 8- to 15-in. vitr. clay sewers, etc., in Sanitary Sewer Dist. 6, Overland Park, from Riley Contg. Co., Buder Bldg., St. Louis, $140,838, engrs. est. $142,372; 24,935 ft. 8- to 15-in. vitr. clay sewer, etc., for St. Louis Co. Sanitary Sewer Dist. 7, to J. J. Dunnegan, Shenandoah, Ia., $144,760, engrs. est. $135,771. Noted July 9.

Mo., Kansas City—City, sanitary sewers in Sewer Dists. 458 and 459, to W. C. Mullins Constr. Co., 202 Nelson Bldg., $35,341.

Ark., Lepanto — Comrs. Sanitary Sewer Dist. complete sanitary sewerage system, to N. S. Sherman Machine & Iron Wks., 18-32 East Main St., Oklahoma City, Okla., $20,012. Engrs. est. $29,700. Noted July 2.

Tex., Port Arthur—Sewer improvements, incl. Shreveport Storm Sewer, to C. K. Horton, 2202 Caly St., Houston, $160,514. Noted June 4.

Calif., San Francisco — City and San Francisco Co. making preliminary plans for camp construction, equipment and plant buildings, major equipment, incl. compressors, blowers, motors, electric locomotives, trucks, hoists, etc., tunnel construction, water supply development, roads, trails, tramways, aerial tram at Red Mt. bar, incl. landing platform, warehouses and accessories, etc., for Hetch Hetchy Aqueduct. $1,348,878. M. M. O'Shaughnessy, city engr.

Calif., Santa Barbara—City, 23,373 ft. 6- to 14-in. vitr. sewers in Salinas St., etc., to Olivarri Contg. Co., Ventura, $29,305. Noted July 23

Ont., North Bay — Will construct 6,000 ft. 8 in. vitr. tile sewers in various streets, by day labor. $25,000. W. G. Mackie, city engr.

Bridges

PROPOSED WORK

Louisiana—W. E. Atkinson, chn. State Hy. Comn., Reymond Bldg., Baton Rouge, retained W. H. Williams, engr., 7003 St. Charles St., New Orleans, to make surveys for bridges at Chef Centeur and Rigolets.

Ohio—Dept. Highways & Pub. Wks., Columbus, cancelled bids which were to be opened July 17, bridges on Sect. "C" Fremont-Port Clinton Rd., Seneca Co., on Sect. "Creek Bridge" National Highway, Preble Co., and Sect. "T" Cambridge-Newcomerstown Rd., Tuscarawas Co. Noted July 16.

Kan., Atchison — Atchison Co. election Aug. 4, $150,000 bonds repairing 23 bridges.

Tex., Albany—See "Streets and Roads."

Tex., Houston — City and Harris Co. making plans rein.-con. bridge with 32 ft. roadway and two 6 ft. sidewalks over Brays Bayou at Lawndale Ave. $62,000. J. C. McVea, city engr. Howe & Wise, 816 1st Natl. Bank Bldg., engrs.

Tex., Sanderson — See "Streets and Roads."

Oregon—Umatilla Co. (Pendleton), takes bids about Sept. 14, four 50 ft. concrete span bridge, etc., at Echo, and two 90 ft. steel span bridge at Stansfield, both over Umatilla River. A. E. Perry, Pendleton, engr.

BIDS DESIRED

New Jersey — Aug. 17, by State Hy. Comn., Trenton, three 22 ft. span, rein.-con. slab bridge over Crusers Brook, Somerset Co. A. L. Grover, secy.; adv. E. N.-R. July 30.

Georgia — Aug. 7, by State Hy. Dept., East Point, bridges on Clarkesville-Charleston N. C. Rd., Contrs. 1, 2 and 3, Rabun Co. E. N. Parker, Gainesville, engr.

Michigan—Aug. 6, by State Hy. Dept. at office Comrs. Macomb Co., Mt. Clemens, Bridge 501403, rein.-con. semi gravity type, two 28 ft. spans; and Bridge 501402, T beam, two 30 ft. spans. G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 12, by State Hy. Dept. at office Comrs. Bay Co., Bay City, Bridge 091301, two 60 ft. and one 90 ft. spans, rein.-con. cantilever type. G. C. Dillman, Lansing, engr.

Wis., Milwaukee—Aug. 4, by Dept. Pub. Wks., constructing substructure and superstructure for 1,100 ft. steel viaduct, 60 ft., at Holton St. $800,000. M. C. Cutler, City Hall, engr. Noted July 16.

Mont., Miles City — Aug. 15, by F. F. Bohling, clk. Custer Co., 454 ft. steel bridge over Power River. $45,000.

Texas—See "Streets and Roads."

Tex., San Angelo—See "Sewers."

Idaho—See "Streets and Roads."

Wash., Aberdeen- Aug. 12, by City Council, superstructure and approaches for bridge to have 307 ft. new swing span, 118 ft. and 260 ft. approach spans also 900 ft. timber trestle approach over Chehalis River, at Benn St., 590,000 lb. steel, 60,000 lb. machinery, 500,000 ft. lumber, 135,000 ft. cedar piling, 4,200 sq.yd. bituminous concrete, etc. M. M. Caldwell, Central Bldg., Seattle, engrs.

Wash., Puyallup—Aug. 18, by State Hy. Dept., Olympia, 5 span 2,840 ft., rein.-con. and steel bridge to have 35 ft. roadway and two 5 ft. sidewalks, etc. over Puyallup River, here, Pierce Co. $750,000. C. E. Andrews, Olympia, bridge engr.

California—Aug. 17, by State Hy. Comn. Sacramento, constructing undergrade crossing, consisting 35 ft. girder beam and concrete deck span bridge, under Sacramento Northern R.R. near Sacramento, Yolo Co., and one 35 ft. and two 40 ft. rein.-con. span, girder bridge over Willowbrook, 2 mi. north of Petaluma, Sonoma Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Oakland—Aug. 17, by Supervs. Alameda Co. bridge at A St. near Hayward St., 1,400 cu.yd. excav., 130,000 lbs. reinforcing in place, 24,000 lin.ft. concrete piles, 7,360 sq.ft. rein. slope walls, etc. To exceed $25,000. G. A. Posey, Oakland owner, ch. engr.

Ont., Atherley—Aug. 5, by F. Barber and associates, engrs., 45 Jarvis St., Toronto, 400 ft. concrete and steel bridge, incl. 4 concrete truss spans and one steel swing span, over Trent Valley Canal for Ontario Co. (Whitby) and Sincol Co. (Barrie). $100,000.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, concrete bridge and approaches on 303 ft. highway in Lee, from C. I. Hosmer, Turners Falls, $55,949, concrete bridge and approaches on 2,000 ft. highway in Bellingham, from A. De Pasquale, Milford, $19,282; widening 3 timber bridges on highway in Revere and Saugus, from L. S White, Inc., 1 West St., Kingston, $44,604. Noted July 16.

Mass., Holyoke — Bd. Pub. Wks., City Hall, 3 span concrete and steel deck girder bridge, Cabot St., from P. J. Kennedy & Co., Inc., 46 Park St., $25,920. Noted July 9.

N. Y., New York — W. W. Mills, comr. Plants & Structures, Municipal Bldg., July 22, reconstructing centre pier fender at 145th St. Bridge over Harlem River, from A. N. Spooner & Sons Inc., Pier 11, North River, $68,795. Noted July 16.

Pa., Phila.—City, 435 x 108 ft. timber I-beam bridge over Greenwich Branch Pennsylvania R.R. and Baltimore & Ohio R.R. tracks, at 7th St., from Brown King & Co., Commercial Trust Bldg., Phila., $102,215. Noted July 23.

Wis., Manitowoc — Bd. Pub. Wks., July 20, 254 ft. steel bascule bridge, 49 ft. over Manitowoc River, at 8th St., from Manitowoc Shipbuilding Co., 16th and River Sts., $166,375. Noted July 2.

Minnesota—See "Streets and Roads."

Colorado — State Hy. Dept., Denver, bridges and approaches on 0.0104 mi. in Montrose Co., Federal Aid 293A, from Wear Bros., Delta, $17,937. Engrs. est. $22,028. Noted July 2.

CONTRACTS AWARDED

Ohio — Dept. Highways & Pub. Wks., Columbus, steel bridge on Sect. A, Nelsonville-New Straitsville Rd., Athens Co., to Perkins Steel Co., Wooster, $1,206; concrete bridge, Sect. C, Lisbon-Canton Rd., Columbiana Co., to F. L. Fox, Kinsman, $2,083; Sect. E (bridge) Dayton-Indianapolis Rd., Preble Co., to Miller-Taylor Co., Dayton, $64,816; concrete bridge on 0.1 mi. Sect. "C" (bridge) Fremont-Port Clinton Rd., Sandusky Co., to W. A. Yeagle, Clyde, $20,962. Grand total $89,067. Noted July 16.

O., Cincinnati—City, remodeling by placing steel, 9 span, 900 ft. old bridge at 8th St., to E. M. Scully, 1431 Eastward Ave., Columbus, $51,000. Engrs. est. $62,712. Noted July 23.

Wis., Milwaukee—Dept. Pub. Wks., furnishing structural steel 1,110 ft. steel bridge, 76 ft., at Holton St., to Lakeside Bridge & Steel Co., North Milwaukee, $273,840. Noted July 16.

Neb., Papillion—See "Streets and Roads."

Washington—State Hy. Dept., Olympia, one 200 ft. steel truss and 516 ft. rein.-con. T-beam approaches across Skokomish River, on State Rd., 14, Mason Co., to Strong & McDonald, Inc., 1402 Puget Sound Bank Bldg., Tacoma, $78,823. Noted June 25.

Calif., San Jose—City, rein.-con. bridge over Coyote Creek on Williams St., to Noble Bros., Visalia, $33,899. Noted July 23.

Dams

PROPOSED WORK

Ill., Streator — Streator Aqueduct Co. made plans mass concrete dam spillway section 270 ft. high above bottom of cut-off wall, flexible apron 30 ft. wide, gate house, sluice gates, etc., 9,355 cu.yd. excav., 4,861 cu.yd. back fill, 407 sq.yd. paving slopes, 58,955 lb. reinforcing, 1,278 lb. sheet copper, etc. Maury & Gordon, 52 West Van Buren St., Chicago, engrs.

Ariz., Clifton—See "Buildings—Industrial."

CONTRACTS AWARDED

N. Y., Glenmore — Constructing 400 ft. concrete dam, 44 ft. high, to G. W. Thompson, 324 Montgomery St., Syracuse, $1,500,000. Work is now under way.

Railways

PROPOSED WORK

Virginia—Big Sandy & Cumberland R.R. Co., T. W. Reath, counsel, 1201 Commercial Trust Bldg., Phila., Pa., applied for authority to construct 14.08 mi. railroad extension from Hurley to Levisa Fork, here. $2,500,000. W. M. Ritter, 115 East Rich St., Columbus, O., pres.

Illinois — Missouri-Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., plans laying 90 lb. rails, ballasting roadbed, etc., on road from South Dupo to Columbia Quarry, near Columbia, here. $125,000. E. A. Hadley, ch. engr.

Oklahoma—St. Louis-San Francisco R.R. Co., 120 Bway., New York City, applied to Interstate Commerce Comn. for permission to construct 5.5 mi. line from Covington to Garber Oil Fields, here. F. G. Jonah, Frisco Bldg., St. Louis, Mo., ch. engr.

BIDS DESIRED

Louisiana — Missouri Pacific R.R., Ry. Exch. Bldg., St. Louis, Mo., taking bids 10.3 mi. 90 lb. track between Delhi and Epps, here. $25,000. E. A. Hadley, ch. engr.

Ontario—See "Contracts Awarded."

British Columbia — See "Contracts Awarded."

CONTRACTS AWARDED

Mississippi—Mississippi & Schoona Valley R.R. Co., c/o Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., approximately 22 mi. standard gauge track, etc., from Bryant to Bruce, here, to E. L. Bruce Co., Thomas St., Memphis, Tenn.

Missouri — Missouri R.R. Co., Railway Exch. Bldg., St. Louis, will lay approximately 12 mi. track of 90 lb. type on footed ballasted roadbed, etc., from Cypress Junction to Alexander and Bauxite Junction to Benton, by day labor; grading for above project, to W. H. Denison, Cushman, Ark., approximately $35,000. Total approximately $395,000.

Saskatchewan—Canadian Natl. Ry., 230 St. James St., Montreal, Que., taking bids constructing Turtleford-Meeting Lake Ry. running north and northeast of Battleford, here. C. B. Brown, ch. engr.

Ontario—Toronto Transportation Comn., Yonge and Front Sts., Toronto, will build electric street car loop at Wade Ave. by day labor. $50,000. D. W. Harvey, c/o ch. engr.

British Columbia—British Columbia Electric Ry. Co. Ltd., 425 Carroll St., Vancouver, will double track ¾ mi. 41st Ave. from Granville St., to West Blvd. in Point Grey, by day labor. $80,000. A. C. Eddy, ch. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

New Jersey — State Hy. Dept., Trenton, an dtowns of Manasquan, Brielle, Point Pleasant Beach and Point Pleasant Boro, plan dredging inlet of Manasquan River. $40,000. H. Ellor, Point Pleasant Beach, interested. Engineer not selected.

Excavation, Drainage, Irrigation, Levees (Continued)

Ill., Belleville—See "Sewers."

Ill., Mt. Prospect—Comrs. Weller Creek D. D. take bids about Aug. 12, 11 mi. 8- to 33-in. double strength shale tile pipe, etc., for farm drainage system. $200,000. E. A. Rossiter, engr.

Wis., Madison — W. R. Winckler, clerk Dane Co., plans dredging bays in Lake Monona. $100,000. Engineer not selected.

Mo., St. Charles—Hancock Bottoms D. D., making final plans levees, ditches, dikes, etc. $80,000. C. E. Jacoby Eng. Co., 700 Interstate Bldg., Kansas City, engrs.

Calif., Modesto—Reclamation Dist. 2031, represented by Dennett & Zion, 1008 I St., made plans constructing levees, 88,000 cu. yd. excav., and raising present levees, etc., $23,783., ditches, 22,940 cu.yd. ditch excav., etc. $8,821; 14,703 lin.ft. drainage ditch, 29,500 cu.yd. excav., bridges and other structures, pumping plant, etc. $14,285. Ohm & Raab, 517 East Market St., Stockton, engrs.

Calif., Oakland — City plans to appropriate $129,000, dredging in Oakland Harbor. W. W. Harmon, city engr.

Calif., Ravendale—Red Rock Irrigation Dist., made plans 39.4 mi. canal system, 8,100 cu.yd. rock and 138,100 cu.yd. earth excav.; raising Red Rock Dams, 1, 2 and 3 and constructing dam at Cold Springs Reservoir, 51,150 cu.yd. earth excav., 1,500 cu.yd. face paving, 1,000 cu.yd. loose rock embankment, 1,600 loose rock paving, etc.; 19,000 ft. conduit canal system from Red Rock Reservoir to Cold Springs Reservoir, 15,000 cu.yd. rock and 30,000 cu.yd. earth excav., etc. $319,500. T. H. Means, 369 Pine St., San Francisco, engr.

BIDS DESIRED

Ia., Council Bluffs — Aug. 4, by G. B. Sparks, aud. Pottawattomie Co., 7.5 mi. drainage ditch in Upper Silver D. D. 25, Sect. 1, main ditch, 153,235 cu.yd. excav., Sect. 2, 8 laterals, 20,950 cu.yd. excav. To exceed $25,000.

Ia., Greenfield—Aug. 4, by M. M. Khemmerer, aud., Adair Co., 229,151 cu.yd. excav. in D. D. 1, Jackson and Washington Twps. V. H. Lehmkuhl, Greenfield, engr.

BIDS RECEIVED

New York—K. K. Fuller, comr. Canals & Waterways, Albany, excavating canal channel and placing bank protection in land from Lock 19, Erie Canal, to Reals Creek, near Utica, from J. W. Hennessy, Inc., 452 Bway., Albany, $68,150.

CONTRACTS AWARDED

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, dredging Newtown Creek Canal, to J. McSpirit, Inc., 118 Wayne St., Jersey City, N. J., $20,300, Wallabout Canal to W. E. Potter, 49 Hudson St., New York City, $16,545, Gowanus Canal, to Taylor & Pearson Inc., 65 Monticello Ave., Jersey City, N. J., $11,700; restoring public beach at Coney Island, to Arundel Corp., foot Fulton St., (1) $63,000 (2) $55,700. Noted July 23.

La., Shreveport — Comrs. Caddo Levee Dist, to Picard Constr. Co., New Orleans, 120,000 cu.yd. Swift Bayou sub-lateral $0.135; to Robinson Constr. Co., New Orleans, 150,000 cu.yd. Simpson Lake Lateral $0.179, 220,000 cu.yd. Cottonwood Bayou and Shift Tail Lake sub-lateral $0.1385. Noted June 4.

Ore., Reedsport—City Engineer, to Inland Constr. Co., Railway Exch. Bldg., Portland, hydraulic filling, 501,000 cu.yd. dredging at $0.165 per cu.yd., 9,000 cu.ft. bulkhead, etc. $0.90, total $91.256.

Streets and Roads

PROPOSED WORK

Mass., Brighton (Boston P. O.)—Dept. Pub. Wks., Boston, plans laying out, constructing extension of Arlington St. as highway, here. $25,000. J. A. Rourke, comr.

Mass., Cambridge (Boston P. O.)—Plans paving Brattle St. and Washington Ave. $31,000 appropriated. Bd. Aldermen, engrs.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans laying out and constructing Rosemont and Seamont Rds. as highway, here. $25,000. J. A. Rourke, comr.

Mass., West Roxbury (Boston P. O.) — Dept. Pub. Wks., Boston, plans laying out and constructing Brookstone St. as highway, here. $27,000. J. A. Rourke, comr.

R. I., Providence—Dept. Pub. Wks. plans constructing Rosebank Ave., Berlin and Sixth Sts. as highways. $25,000. W. F. Slade, comr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., rejected bids June 23, paving 88th Ave., 108th, 122nd and Hooker Sts. Noted July 2.

N. J., Margate City—Bd. Town Comrs. plan improving and paving various streets. $100,000. H. N. McConnell, city clk. Engineer not selected.

New Jersey — North Jersey Dist. Water Supply Comn., Newark, postponed date for opening bids, relocating highways at Wanaque Reservoir. Noted July 9.

N. J., Paulsboro — Bd. Freeholders Gloucester Co. (Woodbury) plans paving 5.6 mi. Paulsboro-Jefferson Rd., here. W. C. Cattell, Woodbury, engr.

W. Va., Buckhannon—Election Aug. 11, $103,000 bonds paving Sedgwick and 8 other streets. H. T. Storm, Buckhannon, engr.

W. Va., Huntington — Guyandotte Dist. voted $300,000 bonds constructing roads in Cabell Co. J. M. Oliver, Huntington, co. engr. Noted Apr. 30.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grubbing and grading 8.5 mi. highway Federal Aid Project 169 and 15 mi. Federal Aid Project 165, in Northampton Co.; 10 mi. Federal Aid Project 390, and 10 mi. Federal Aid Project 398, in Robeson Co.; 10 mi. Federal Aid Project 733, Davie Co., and 8 mi. Federal Aid Project 923, Clay Co. C. M. Upham, highway engr.

Fla., Zephyrhills—Election Aug. 10, $52,000 bonds for street construction.

Ala., Birmingham—Plans paving various streets. $135,850. C. E. Armstrong, city controller.

Miss., Houston — Chickasaw Co. voted $50,000 bonds constructing 10 mi. various streets, 18 ft.

Miss., Magnolia—Pike Co. voted $125,000 bonds, improving various roads.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 25 mi. Pikeville-Spencer Rd., Van Buren and Bledsoe Counties. J. G. Creveling, highway comr.

Tenn, Dover — Stewart Co. and State Dept. Hys. & Pub. Wks., Nashville, plan improving 15 mi. Dover-Montgomery Co. line Rd. $75,000. J. G. Creveling, highway comr.

Tenn., Dyersburg—Dyer Co. under supervision State Highway Comn., Nashville, plans improving 20 mi. Dyersburg-Crockett Co. line Rd. J. G. Creveling, highway comr.

Tenn., Rutledge — Grainger Co. voted $50,000 bonds, constructing various roads.

O., New Philadelphia—Plans resurfacing East High St. and East Ave. $50,000. E. Stingel, city engr.

O., New Philadelphia — Tuscarawas Co. plans improving 5 mi. Roxford Rd., 16 ft. $125,000.

Ind., Crown Point—Lake Co. plans concrete paving 2.1 mi. Wise Rd., $55,500, and 1.9 mi. Carl Rd., $51,000, both 18 ft. C. K. Wallace, Crown Point, engr.

Ind., Goshen — Elkhart Co. plans concrete paving 4,450 ft. Schrock Rd., 24 ft., $25,625; and grading and graveling 3 mi. Mishler Rd., $29,543. C. L. Kinney, Goshen, co. engr.

Ind., New Albany—Floyd Co. plans concrete paving 7,433 ft. Bold Knob Rd., 18 ft. $27,470.

Ind., South Bend—Plans asphaltic concrete paving 0.7 mi. William and Diagonal Sts., 30 ft. $30,900. F. S. Anderson, city engr.

Ind., Williamsport — Warren Co. plans grading and graveling 13,322 ft. Salts Rd., 24 ft. $26,500. J. R. Gregory, Williamsport, engr.

Mich., Lincoln Park — Plans concrete or vibrolithic paving 10,000 sq.yd. Dists. 57 and 62. $35,000. E. H. Pate, 603 Transportation Bldg., Detroit, engr.

Ill., Chicago—Bd. Local Impvts., Council Chamber, City Hall, plans widening Everell Ave., curbing, guttering, grading, sewers and 6 in. concrete surfacing Racine Ave., South May, Aberdeen, Carpenter, South Morgan, South Sangamon, South Peoria, South Green, West 100th, 101st and 102nd Sts., $497,000; grading, curbing, guttering, and asphalt on 6 in. concrete surfacing South State St., $332,000; curbing, guttering, sewering and 2 in. asphaltic concrete on 6 in. concrete surfacing Harper, Blackstone, Dante, Dorchester, Kenwood and Kimbark Aves., East 88th, 89th and 90th Sts., $328,000; curbing, guttering, sewering and 6 in. concrete surfacing North Oak Park, North Newcastle, North New England and North Sayre Aves., $298,000; curbing, guttering, sewering and asphalt on 6 in. concrete surfacing State Iron Rd., Avenues B, C and D, and East 107th St., $125,000; grading and 10 in. concrete surfacing South Chicago and South Park Aves., $141,000; grading and 7 in. Portland cement surfacing alleys betwene West Washington Blvd., West Madison St., North Laramie and North Latrobe Aves., $6,800; grading, sewers and 7 in. Portland cement surfacing alleys between 66th St., West Marquette Rd., Justine and South Ashland Aves., $7,000; c.i. watermains, etc., in Ingleside Ave. $3,958, in Newport Ave. $2,073, in Oglesby Ave. $7,434, in Candon Ave. $7,434. E. J. Black, Room 207 City Hall, secy.

Ill., Galesburg—Plans grading, curbing and vitr. brick on concrete surfacing 7,140 sq.yd. Knox St. and Burgland Ave. $30,155. A. L. Richey, city engr.

Ill., Geneseo—Plans grading, curbing and concrete paving approximately 1 mi. North State and other streets. $31,802. J. A. Ryan, City Hall, engr.

Ill., Miles Center—Plans concrete surfacing, curbing, etc., 81,400 sq.yd. Oakton St. $250,000. Consoer, Older & Quinlan, Marquette Bldg., Chicago, engrs.

Ill., Peoria—Making plans grading, curbing and brick paving 3,125 ft. Western Ave. from Martin to Bradley Sts. $50,000. W. E. Backes, City Hall, engr.

Ill., Peoria—Plans grading, curbing and concrete or brick paving 0.5 mi. Lincoln Ave., 20 ft. $26,436. W. E. Backes, City Hall, engr.

Ill., Shelbyville—Plans paving Main St. at east and west ends to connect with state road on Bond Issue, Route 16. $35,000. Holbrook, Warren & Van Praag, 415-418 Millikin Bldg., Decatur, engrs.

Minnesota — State Hy. Dept., St. Paul, making plans paving approximately 6.5 mi. Wildwood-White Bear Lake Rd., Ramsey and Washington Counties. $195,000. P. N. Coates, 900 Guardian Life Bldg., St. Paul, engr.

Kan., Kansas City—Wyandotte Co. making plans rock asphalt paving 1.07 mi. various roads, 18 ft. To exceed $25,000. O. K. Williamson, Kansas City, co. engr.

Kan., Mound City—Linn Co. soon takes bids grading, etc., 13.434 mi. Jefferson Highway, Federal Aid Project 215-B, 28 ft. Kansas Eng. Co., 1233 Western St., Topeka, and C. E. Kenney, Mound City, engrs.

Kan., Newton—Making preliminary plans grading, curbing and rein.-con. or brick paving 4,600 ft. various streets. $40,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Tex., Albany — Shackelford Co. making plans grading and bridging 13.7 mi. State Highway 18 from intersection of State Highway 1-A to Jones Co. line. $125,000. J. E. Pirie, Albany, engr.

Tex., Beaumont — Taking bids asphalt and rein.-con. paving 4 various streets. $35,000. R. C. Black, Beaumont, engr.

Tex., Kerrville — Voted $50,000 bond hardsurfacing various streets. S. K. Mason, city engr. Noted June 25.

Tex., Orange—Orange Co. voted $60,000 bonds grading and surfacing highways in Precinct 4. J. E. Johnson, Orange, co. engr. Noted July 9.

Tex., Sanderson — Terrell Co. making plans grading and bridging 5.56 mi. State Highway 3, Federal Aid Project 324-C, 26 ft. $73,000. J. Stovell, Sanderson, co. engr.

Tex., Sweetwater — Nolan Co making plans permanent paving 15.22 mi. Unit 2, Federal Aid Project 444-B. $270,000. J. A. Focht, Sweetwater, engr.

Okla., Chandler—Making plans vertical fibre brick surfacing 21,300 sq.yd. Manvel Ave. $40,000. Benham Eng. Co, Gumbel Bldg., Kansas City, Mo., engrs. Noted Mar. 19.

Okla., Cordell — Making plans grading, curbing and concrete paving 10,250 sq.yd. 5th, Sherman and Poplar Sts. $32,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Drumright — Peckham & James, engrs., 225½ West Grand St., Oklahoma, soon take bids brick on concrete paving 4,620 yd. Hillside and Creek Aves. $34,033. Noted July 2.

Okla., Elk City — Making preliminary plans grading, curbing and vertical fibre brick paving 13,800 sq.yd. 4th and 6th Sts. $60,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Newkirk — Making preliminary plans grading, curbing and concrete paving 9,100 sq.yd. Maple St. $28,000. Engineer not selected.

Okla., Norman — Making plans grading and concrete paving 9,800 sq.yd. Euclid, Powell and Oklahoma Sts. $32,000. F. Cobb, Norman, engr.

Okla., Picher — Plans paving 10 blocks various streets. H. M. Eichols, city secy.

Okla., Shawnee — Making plans grading and concrete paving 10,400 sq.yd. Main St. $36,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Calif., Chico — Plans asphaltic concrete paving 70 blocks various streets. To exceed $25,000. R. Witt, city engr.

Streets and Roads (Continued)

Calif., Chico — Plans paving 65 blocks streets south of 5th St. and east of Main St. R. Witt, city engr.

Calif., Long Beach—Made plans curbing, guttering, watermains and 10 in. concrete paving 370,861 sq.ft. West Anaheim St., etc. R. D. Van Alstine, city engr.

Calif., Long Beach—Made plans curbing, guttering, sidewalks and 8 in. concrete paving 398,438 sq.ft. portions Atlantic Ave. R. D. Van Alstine, city engr.

Calif., Santa Cruz—Santa Cruz Co. soon takes bids grading and oil macadam paving, etc. 101,000 sq.ft. Lower Soquel Rd. L. Bowman, Santa Cruz, co. surv.

Calif., Sonora — Tuolumne Co. making plans 3 in. asphaltic concrete, Willite and Warrenite paving, also 5 in. concrete or vibrolithic concrete paving 2 mi. Sonora-Tuolumne Rd. and 1 mi. Sonora-Columbia Rd. R. Thom, Sonora, co. surv.

Calif., Stockton — San Joaquin Co. made plans improving Chidester Rd., 3,000 cu.yd. grading, 5,300 tons road gravel, 2,990 lb. reinforcing bars in culverts. To exceed $25,000. F. E. Quail, Stockton, co. surv.

BIDS DESIRED

Mass., Dorchester (Boston P. O.)—July 28, by Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Adams St., here. $25,000. J. A. Rourke, comr.

Rhode Island — Aug. 12, by State Rd. Pub. Rds., Providence, waterbound macadam paving 1 mi. Stafford Rd., Tiverton, Contr. 2511; adv. E. N.-R. July 30.

Rhode Island — Aug. 12, by State Rd. Pub. Rds., Providence, sheet asphalt on concrete paving 1.35 mi. Contr. 2510 Federal Aid Project 22, Warren and Pawtucket Aves., East Providence; and waterbound macadam paving 1.86 mi. Contr. 2512, Federal Aid Project 27, East Main Rd. Tiverton-Little Compton; adv. E. N.-R. paving, etc., Potter Ave.

N. Y., Long Island City—Aug. 3, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., recurbing, reflagging, etc., Anable Ave.; regrading Beach Channel Dr.; grading Rockaway Blvd., 88th Ave., Kindred, 108th, 122nd and Hooker Sts.

N. Y., Long Island City—Aug. 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., asphalt block repaving Jamaica Ave.; grading, curbing and sidewalks, etc. 98th Pl. Cooper and Hull Aves., Nassau Blvd. from Strongs Causeway (Ireland Mill Rd.) to Fresh Meadow Rd., and from Fresh Meadow Rd. to Springfield Blvd. (Rocky Hill Rd.); sheet asphalt paving, etc. Purdym, Theodore, and 126th Sts., Roosevelt and 39th Aves.

N. Y., New York—Aug. 6, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sheet asphalt paving Castlehill Ave., and East 164th St.; sewers in O'Brien and Reverse Aves.

New York — Aug. 7, by A. W. Brandt, comr. Highways, Albany, constructing highways in Allegany, Chemung, Essex, Franklin, Greene, Hamilton, Monroe, Ontario, Otsego, Suffolk, Tioga, Washington and Wyoming Counties; also reconstructing highways in Columbia, Essex, Oneida, Warren and Westchester Counties; adv. E. N.-R. July 30.

N. Y., Saranac Lake—Aug. 11, at office S. A. Miller, village clk., paving Dorsey St., Shepard and Winona Aves. H. Hull, engr.; adv. E. N.-R. July 30.

N. Y., St. George—Aug. 3, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, paving, etc. Potter Ave.

N. Y., St. George—Aug. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete curbing sidewalks, and guttering Fingerboard Rd.

N. J., Rosemont—Aug. 8, by Delaware Twp. Comn., Stockton, grading and penetration macadam paving 8,682 sq.yd. Rosemont-Kingwood Rd. G. Davis, Whitehouse Sta., engr.

Maryland—Aug. 4, by State Roads Comn., Baltimore, sheet asphalt paving 0.16 mi. Contr. BC-58, Baltimore City; macadam resurfacing 5 mi. Contr. M-61, concrete paving 1 mi. Contr. M-59, 1.08 mi. M-60, 1 mi. M-63, and 1 mi. M-62, all Montgomery Co. J. N. Mackall, chn.

Maryland—Aug. 11, by State Rd. Comn., Baltimore, macadam resurfacing 5 mi. Contr. M-61, concrete paving 1 mi. Contr. M-63, and 1 mi. M-62, all in Montgomery Co. J. N. Mackall, chn.; adv. E. N.-R. July 30.

Georgia—Aug. 7, by State Hy. Dept., East Point, (**F. A. P. means Federal Aid Project**), concrete surfacing 4.5 mi. Camilla-Albany Rd., F. A. P. 95-A, Mitchell Co., and 6.279 mi. Camilla-Thomasville Rd., F. A. P. G-8-15, Thomas Co. E. J. Smith, Thomasville, engr.; grading 6.64 mi. Clarkesville-Franklin Rd., F. A. P. 425-A, and 6.64 mi. same road Sect. B, Rabun Co., C. N. Parker, Gainesville, engr.; gravel surfacing 7.12 mi. Columbus-Cussetta Rd., F. A. P. 404-A, Chattahoochee Co., and furnishing approximately 28,110 tons gravel for same road, B. A. Alderman, Americus, engr.; approach fills to bridge at Lumber City, Telfair and Jeff Davis Counties, 4 acres clearing and grubbing, 63,378 cu.yd. excav., 75,795 cu.yd. overhaul, etc., G. W. Davidson, Dublin, engr. W. R. Neel, highway engr.

Fla., Gainesville — Aug. 18, by W. R. Thomas, chn. Alachua Co., 225,000 sq.yd. rein.-con. paving, etc., Special Road and Bridge Dist. 1. $100,000. H. L. Baker, Gainesville, dist. engr.

Fla., Tampa—Aug. 4, by City Comrs., curbing and 2 in., Filbertine on 6 in. lime rock paving La Salle St. from North Blvd. to Francis St. $30,000; 9,450 sq.yd. Arninio Ave. from Cypress St. to Memorial Highway, $25,000; 11,340 sq.yd. LaSalle St. from Arninio to Clearland Sts., etc., $28,000; 13,800 sq.yd. Cypress St. from Arninio to Lincoln Sts., $30,000; and 9,300 sq.yd. Abdella St. from Arninio to Havana Aves., $25,000. R. D. Martin, City Hall, engr.

Fla., Tampa—July 28, by City Comrs., granite curbing and 2½ in. asphalt block on 6 in. rock paving 10,820 sq.ft. Beach St. between Florida and Central Aves., Seminole Ave. between Buffalo and Bay Sts., Fern St. from Flondo to Central Sts., and Jean St. from Central to Florida Sts., $30,000; 11,300 sq.ft. Suwanee Ave. from Hanna to Wilder Aves., $30,000; 10,620 sq. ft. North St. from Florida to Nebraska Sts., and Alfred Ave. from Ola Ave. to Lot 1, Block 4, $26,000. R. D. Martin, City Hall, engr.

La., Mansfield—Aug. 5, by Police Jury DeSoto Parish, constructing Pelican Oxford Rd., Baker Sabine Parish line Rd., Kerchie-Texas line Rd. and Longstreet Texas line Rd. J. S. Ament, Mansfield, engr.

Miss., Meridian—Aug. 4, by Bd. Supervrs. Lauderdale Co. improving 7.23 mi. Daleville Rd., 4 acres clearing and grubbing, 40,000 yd. excav., 4.5 mi. Bermuda sod, etc.

Ohio—Aug. 4, by W. H. Duffy, dir. Pub. Serv., grading and paving 672 ft. Mock Rd., 30 ft., brick $13,078, asphalt $11,086; 279 ft. Souder Ave., 26 ft., brick $4,926, asphalt $3,771; 1,311 ft. Mooberry Rd., 26 ft., brick or asphalt $10,000; 12,813 ft. Binns Blvd., Parkside Rd., Berwyn, Briarwood, 18th, Roy and Wallnis Aves., 24 ft., brick $206,458, asphalt $194,791; 554 ft. alley north of 8th Ave., 22 ft., brick $5,576, concrete $4,956; 1,347 ft. McAllister Ave., Wall St. and alley north Wilber Ave., 20 ft., brick $11,682, asphalt $10,854; 974 ft. alleys west Hawkes Ave., north Mt. Vernon Ave., 16 ft., brick $7,011, asphalt $6,246; 682 ft. alleys north Jackson St. and Wyandotte Ave., 15 ft., brick $2,313, asphalt $2,064. R. H. Simpson, city engr.

O., Akron—Aug. 10, by W. F. Peters, dir. Pub. Serv., grading, sidewalks, and vitr. brick on 6 in. concrete paving 25,000 sq.ft. Delaware Ave. et al., $273,000; also sheet asphalt, on 6, 7 and 8 in. concrete repaving 4,600 sq.yd. Spicer St., $92,000. E. A. Kemmler, Delaware Bldg., engr.

O., Cincinnati—Aug. 4, by Director Pub. Serv., grading, curbing, guttering and bituminous macadam paving, etc. 20,200 sq.yd. Ludlow Ave. from Cornell Pl., to point 560 ft. south of viaduct. $246,789. F. King, City Hall, engr.

Ind., Sullivan — City Engineer taking bids asphalt on concrete paving 1 mi. West Washington, Main and Jackson Sts., etc. $37,000.

Michigan—Aug. 6, by State Hy. Dept. at office Comrs. Muskegon Co., White Cloud, concrete paving 1.015 mi. Trunk Line Rd. 54-15. G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 10, by State Hy. Dept., at office Comrs. Midland Co., Midland, graveling 5.509 mi. State Project 18-11, Assessment Dist. 1083. G. D. Dillman, Lansing, ch. engr.

Michigan—Aug. 10, by State Hy. Dept. at office Comrs. Missaukee Co., Lake City, graveling 2.344 mi. State Trunk Line Rd. 74-5, Sect. B; 5.756 mi. State Trunk Line Rd. 74-5, Sect. C; and 2.39 mi. State Trunk Line Rd. 74-5, Sect. A. G. C. Dillman, Lansing, ch. engr.

Mich., Springwells — Aug. 11, concrete paving 71,200 sq.yd. 9 streets. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, consult. engrs.; adv. E. N.-R. July 30.

Ill., Peoria — Aug. 3, by Bd. Local Impvts., C. F. Barston, pres., grading, curbing, sewering and vitr. brick on concrete surfacing 8 blocks Linn, Steubenville and Bigelow Sts., 22 and 30 ft. $35,000. W. E. Baches, City Hall, engr. Noted May 28.

Wis., Milwaukee—Aug. 5, by Bd. Pub. Wks., paving 3 streets and six alleys, 21,800 sq.yd. vibrolithic concrete, 7,700 yd. plain or vibrolithic concrete and 6,448 yd. plain concrete. J. Schwada, city engr.

Wis., North Milwaukee (Milwaukee P. O.)—Aug. 4, by W. E. Chase, city clk., grading and one course concrete, vibrolithic, bituminous concrete or sheet asphalt paving 20,466 sq.yd. 32nd and 42nd Sts., Adams and Hopkins Aves. and several alleys. To exceed $25,000. H. C. Webster, 216 West Water St., Milwaukee, engr.

Minn., Minneapolis—Aug. 3, by Auditor Hennepin Co., improving 3.95 mi. Parkers Lake-Long Lake Rd., State Aid Rd. 17, Project 25-57 A, County Rd. 6, 38,951 cu.yd. earth, 1,400 cu.yd. loose and 500 cu.yd. solid rock excav., 2,000 cu.yd. excav. undesignated 47,340 cu.yd. overhaul, 940 cu. yd. gravel pit stripping, etc. $39,676. J. W. Shaffer, co. surv. Noted July 2.

Minn., Owatonna—Aug. 18, by State Hy. Dept., St. Paul, and R. L. Van Nocker, city engr., Owatonna, improving 1.27 mi. Oak St., 10,809 cu.yd. excav., 23,571 sq.yd. concrete paving, also 6,928 lin.ft. surface drain basins, 984 lin.ft. 12- to 24-in. drains, etc. $55,000. State Hy. Dept., engrs.

Kan., Olathe—Aug. 7, by E. J. Terrell, engr. Johnson Co., about 6 mi. single surface treatment on present macadam road, 16 and 17 ft. To exceed $25,000.

Mo., Sedalia—Aug. 3, by C. O. Manker, city engr., grading, curbing and concrete paving 10,000 sq.yd. Hancock Ave. C. O. Manker, City Hall, engr.

Texas — Aug. 7, by State Hy. Dept., Austin, clearing, grubbing, bridging, etc. 4.11 mi. State Highway 43, Federal Aid Project 481-C, Panola Co., 23,455 lb. reinforcing, etc., $25,000; 13.33 mi. State Highway 12-A, Federal Aid Project 424-F, Duval Co., 129 acres clearing and grubbing, 116,322 lb. reinforcing, etc.; 5.41 mi. State Highway 8, Bowie Co., 8.38 acres clearing and grubbing, 28,725 lb. reinforcing, etc.; 6.97 mi. State Highway 5, Wilbarger Co., 15,424 lb. reinforcing, etc. State Highway Engineer, Austin, engr.

Idaho—Aug. 10, by Commissioner Pub. Wks., at office Mountain Home Hy. Dist., Mountain Home, grading and screened gravel surfacing 400 cu.yd. Idaho Central Highway, Federal Aid Project 12-B, Elmore Co., also constructing 2 bridges between Mountain Home and Toll Gate.

Calif., Fresno — Aug. 13, by Supervs. Fresno Co., 2,450 tons gravel or rock and 120 tons asphalt paving 3 mi. various roads, 16 ft. C. P. Jensen, Cory Bldg., engr.

Calif., Merced—Aug. 11, by Supervs. Merced Co., 5 in. concrete, 1½ in. on 3½ in. Willite asphaltic concrete, or 2 in. penetration top on 5 in. waterbound macadam paving about 3 mi. road beginning at city limits of Merced to pavement in Yosemite-to-the-sea-Highway, 16 ft. W. E. Bedesen, Merced, co. surv.

Calif., San Diego—Aug. 10, by A. H. Wright, city clk., 1½ in. asphaltic concrete on 4 in. concrete paving 123,478 ft. Bancroft St. F. A. Rhodes, city engr.

Calif., Santa Monica — City Trustees taking bids improving 28th St. between Pico Blvd. and Central Ave., 1,236,917 sq.ft. excav. 41,158 ft. curbing, 216,935 sq.ft. sidewalks, 4,876 ft. concrete guttering, 778,855 sq.ft. 4 in. asphaltic concrete, etc. H. B. Carter, city engr.

Calif., Santa Rosa—Aug. 3, by Supervs. Sonoma Co., improving 19 mi. Somona Coast Highway from Bodega Corners to Bodega Bay, etc., 18,000 cu.yd. rock and 99,814 cu.yd. common excav., 168,272 sq.yd. subgrading, 28,525 sq.yd. asphaltic macadam paving, 139,758 sq.yd. rock macadam paving, etc. To exceed $250,000. J. B. Piatt, Rosenberg Bldg., Santa Rosa, engr.

Washington—Aug. 18, by State Hy. Dept., Olympia, constructing 3 roads and 2 bridges in various counties. J. W. Hoover, Olympia, state engr.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, bituminous concrete surfacing 3,505 ft. highway in West Bridgewater, from M. F. Roach, 35 Spring St., East Bridgewater, $23,377, and 5,700 ft. highway in East Bridgewater, from D. J. Roach, East Bridgewater, $28,045, 14,204 ft. highway in Sandwich, from S. W. Lawrence, Falmouth, $53,223; graveling and bituminous surface treating 1,250 ft. highway in Medfield, from A. DePasquale, Milford, $4,991. Noted July 16.

Mass., Boston — Dept. Pub. Wks., recut granite block paving Warren St. from Washington to Dale Sts., from J. A. Singarella, 110 High St., Boston, $51,720. Noted July 16.

Mass., West Roxbury (Boston P. O.) — Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Presentation Rd., here, from S. Caponi, 11 Hemlock St., Rosindale, $30,491. Noted July 16 under "Boston."

N. Y., Brooklyn—Dept. Parks, 64th St. and 5th Ave., New York City, July 23, improving Sect. 2 Highland Park Dr., here, from E. F. Monohan, 1921 Morris Ave.

Streets and Roads (Continued)

New York City, $12,745; Sunset Park at 5th Ave. and 41st St., here, from T. O'Connor & Co., Inc., 914 12th St., $13,480.

New York—A. W. Brandt, comr. Highways, Albany, July 15, **(e. e. means engineers' estimate)**, constructing and reconstructing 0.66 mi. Highway 9013, Piercefield Tupper Lake, Part 3, Franklin Co., from Van Wirt Constr. Co., Inc., Glens Falls, $26,897 e. e. $31,813; 8.53 mi. Highway 8220, Cranberry Lake-Seveys Corners, St. Lawrence Co., from Valerio Constr. Co., New Milford, Conn., $417,016, e. e. $534,766; 1.13 mi. Highway 5301, Bayshore-Brookhaven Town line, Suffolk Co., from Connor Bros., 629 Albany Ave., Long Beach, $83,743, e. e. $102,142; 1.26 mi. Highway 8218, Arcade-Farmersville, Part 1, Wyoming Co., from Greenfield & Harding, Hornell, $51,394, e. e. $66,110; 3.01 mi. Highway 1717, Meridian-Bowens Corners, Part 1, and Highway 5244, Poplar Ridge-Fleming, both Cayuga Co., from Brayer Bros., Auburn, $133,950 and $163,336 respectively, e. e. $169,958, and $202,812 respectively; 8.09 mi. Highway 5204, Bath Avoca, and Highway 5564, Avoca-Wallace-Cohocton, Steuben Co., from H. W. Patterson, Hornell, $287,556, e. e. $387,602; 1.78 mi. Highway 5103, Stottville-Stuyvesant Falls, Columbia Co., from L. Grossman & Co., Poughkeepsie, $97,822, e. e. $123,964; 1.06 mi. Highway 896, Eastwood Village, Highway 9, James St., Onondaga Co., from J. H. Corbett, Jr., Syracuse, $71,539, e. e. $90,598; 5.58 mi. Highway 8221, Hornell-Wayland, Part 4, Steuben Co., from Cold Spring Constr. Co., Ellicott Sq., Buffalo, $237,379, e. e. $277,643; 5.9 mi. Highway 1714, Palmyra Marion, Wayne Co., from G. W. Chambers, Powers Bldg., Rochester, $264,053, e. e. $314,803; 1.04 mi. Highway 5237, Slingerlands-Albany, Albany Co., from T. S. O'Brien, Albany, $53,009, e. e. $62,453; 7.64 mi. Highway 5117, Euba Mills-New Russia, and Highway 5183, New Russia-Elizabethtown, Essex Co., from N. E. Young, Union, $251,803, e. e. $310,305; 5.58 mi. Highway 8229, South Bay-Vienna, Parts 1 and 2, Madison and Oneida Counties, from E. D. Baker, Binghamton, $254,904, e. e. $295,803. Noted July 2.

New Jersey—State Hy. Dept., Trenton, concrete paving 9,975 sq.yd. Route 9, Sect. 15 A, Cranford Twp., Union Co., from P. Camillo & Co., Westfield,. $50,770. Noted July 9.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, 14.03 mi. Lockport Cutoff Highway, Lafourche Parish, from W. C. Perry, Baton Rouge, $43,819, also Haynesville-Shongaloo Highway, Claiborne Parish, from T. S. Clements, Shreveport, $23,374. Noted June 25.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, constructing 14.68 mi. Farmersville-Bastrop Highway, from Wimberly Constr. Co., Arcadia, $92,508; Farmersville-Ruston Highway, from Hankins Bros., Natchitoches, $72,234. Noted July 2.

Kentucky — State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project)**, bituminous concrete on concrete or rein.-con. surfacing 0.7 mi. Covington-Lexington Rd., 24 and 36 ft., F. A. P. 141-A, Kenton Co., from Wells & Connelly, $25,372; grading, etc., 2.9 mi. Livermore-Central City Rd., S. A. P. 77-B, McLean Co., and 6.5 mi. Livermore-Owensboro Rd., S. A. P. 77-A, McLean Co., from Davies County Constr. Co., Owensboro, $12,759 and $44,414 respectively, 4 mi. Owensboro-Beech Grove Rd., S. A. P. 176-A, McLean Co., from G. W. Robinson, Owensboro, $31,974, latter 3 projects 24 and 28 ft. Noted June 18.

O., Akron—Summit Co., July 13, grading and slag paving 4.26 mi. Comet Rd., from Gray & Quillen, Millersburg, $40,917, engrs. est. $45,500; grading, curbing and vitr. brick paving 5,800 sq.yd. Richfield-Hudson Rd., from A. F. Wible, 789 Chalker St., $92,055, engrs. est. $111,000. Noted July 2.

Indiana—State Hy. Comn. **(F. A. means Federal Aid and e. e. means engrs. est.)**, concrete paving 4.036 mi. F. A. Rd. 22, Sect. E, Morgan Co., from Cunningham Constr. Co., Guaranty Bldg., Indianapolis, $87,862, e. e. $102,812; 6.84 mi. F. A. Rd. 81, Sect. C, Johnson Co., from D. A. Y. Constr. Co., Franklin, $131,832, e. e. $143,953; 10.26 mi. F. A. Rd. 98, Sect. B, Huntington and Allen Counties, from Seaman Constr. Co., Goshen, $233,851 e. e. $256,956; 1.426 mi. French Lick Trail, Lawrence Co., from W. J. Nees, 116 Lincoln Way W, Mishawaka, $25,943, e. e. $27,120.

Ind., Evansville — E. Meisinger, engr., Evansville, July 13, concrete paving 1.5 mi. St. Joseph Ave. Rd., from H. Schaefer, 1107 East Nevada St., for Vanderburgh Co. $26,500. Engrs. est. $34,700. Noted July 9.

Michigan—State Hy. Dept., Lansing, concrete paving 1.789 mi. State Project 13-53 A and B, Osceola Co., from O. M. Whitlow, South Haven, $32,558.

Mich., Springwells—B. P. Esper, city clk., from W. L. Thorn, Wyandotte, concrete paving 6,251 sq.yd. Dist. 47 $22,252, 8,762 sq.yd. Dist. 77 $30,820, 6,235 sq.yd. Dist. 83 $30,280, 8,537 sq.yd. Dist. 84 $30,966, 6,693 sq.yd. Dist. 85 $23,575; from White Constr. Co., Detroit, 37,657 sq.yd. Dist. 74 $125,590, widening Michigan Ave., $6,689. Noted July 2.

Ill., Galesburg — Knox Co. 600,000 gal. road oil on various roads from Monarch Asphalt & Road Oil Co., 1019 Peoria Life Bldg., Peoria, at $0.0569 and $0.059 per gal.

North Dakota — State Hy. Comn. and Comrs. Morton Co., Court House Mandan, grading 9.372 mi. road from Mandan south, Federal Aid Project 251, to R. S. Burnstad, Burnstad; and 16.661 mi. road on Red Trail between Glen Ullin-Hebron, Federal Aid Project 260A-B, to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn. Noted July 2.

Colorado — State Hy. Dept., Denver, graveling, etc., 0.1704 mi. Federal Aid 295-A, Conejos Co., and crushed rock surfacing 2.007 mi. Federal Aid 261-F, Costilla Co., from Central Constr. Co., La Veta, $19,861 and $22,018 respectively, engrs. est. $27,118 and $28,009 respectively; graveling, etc., 5.334 mi. Federal Aid 275-B, Douglas Co., from J. F. Roberts & Sons, Tramway Bldg., $198,772 engrs. est. $225,110, 2.898 mi. Federal Aid 294-A, Montezuma Co., from Engler & Teyssier, Box 302, Durango, $23,274 engrs. est. $26,335. Noted July 2.

Wash., Aberdeen—City Council, clearing and grading 140,000 cu.yd. Fairview Reservoir 2, from Kennedy Bros., Aberdeen, $53,480.

Calif., Berkeley—City Council, 2 in. asphaltic concrete on 6 in. concrete paving portions of The Circle, Marin Ave., etc., from Northern Paving Co., P. O. Box 1237, Richmond, $49,267. Noted July 2.

Calif., Los Angeles — Los Angeles Co. improving 1.33 mi. Norten, Rives, Ave., etc. (Co. Impvt. 278), 8,242 cu.yd. excav., 14,781 sq.yd. shape, 142,034 sq.ft. concrete paving, etc., from Dudley & Hicks, 2364 Atlantic Ave., Long Beach, $29,500.

Calif., Pasadena—Grading, curbing, sidewalks, guttering, and 7 in. concrete paving, Puente Dr. between Colorado and Linda Vista Bridge, from Ducey & Breitenstein, P. O. Box 203, R. F. D. No. 3, $27,169.

Calif., Santa Cruz—Santa Cruz Co., from Granite Constr. Co., Watsonville, improving Coast Rd., from Laguna Creek to Davenport, 299,314 sq.ft. oil macadam paving $0.104 per sq.ft., 2,936 tons Logan quarry waste $2.05, etc., total $29,887. Noted July 16.

Calif., Watts — Grading, curbing, sidewalks, and 5 in. concrete paving 101,997 sq. ft. Eagle St. between Fern St. and Glen Ave., from G. H. Oswald, 366 East 58th St., Los Angeles, at $0.148 per sq.ft.

CONTRACTS AWARDED

Mass., Roxbury (Boston P. O.) — Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Longwood Ave., to M. F. Gaddis, 6 Beacon St., Boston, $22,957. Engrs. est. $25,000. Noted July 23.

Mass., Somerville (Boston P. O.)—City, street widening and underground drain in Middlesex and Mystic Sts., to J. H. Bannon, Hinckley St., $62,000. Noted July 23.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to G. M. Mandatto, 129 29th St. grading, curbing and flagging Bay Ridge Ave. $7,713, East 32nd St. $5,438, to C. Peconi, 570 18th St. Highview Ave. $1,898, to B. Turecamo Contg. Co. 8796 Bay 12th St. asphalt paving Bay Ridge Ave. $13,854, to M. J. O'Hara, Contg. Co., 717 65th St. East 32nd St. $15,275, West 6th St. $2,627, to Brooklyn Alcatraz Co., 407 Hamilton Ave., Highland View Ave. $3,052, West 33rd St. $3,324, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Williams Ave. $5,710, to Colgan & Colgan 324 Jay St., granite block paving Flatbush Ave. $218,410. Noted July 23.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Cleveland Trinidad Paving Co., Flushing, grading, curbing, sidewalks and asphalt surfacing 7th Ave. $35,838, and Flushing Ave $77,525, to C. H. Georgi, 15 Ely Ave., grading, curbing and sidewalks on Shaler St. $3,750; to W. J. Fitzgerald, 547 West 45th St., New York City, grading, curbing and paving within limits Queens Blvd., etc., $173,278, and regrading, curbing, etc., Queens Blvd., from 67th St. to Bway. $164,424. Noted July 2.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, curbing, flagging, asphalt paving, etc. Van Alst Ave. $114,347, to Welsh Bros. Contg. Co., 32 Queens St., Astoria, Ely Ave. $36,078; to Gifford Constr. Co., Fulton St., Jamaica, regrading, etc., and constructing drains for Beach Channel Dr. $40,180; to Sprague Constr. Co., paving Beach Channel Dr. $145,400, to Cleveland Trinidad Paving Co., Flushing, 6th Ave. $12,819, Washington Ave. $15,800, Fremont St. $16,061, to Pegno Constr. Co., 380 Freeman Ave., Astoria, Marion St. $10,506, Caspian St. $12,021, Park Lane $68,708; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, Welling St. $14,005, Gamma Pl. $10,900, to H. E. Kordes Co., 2577 Cooper St., Brooklyn, Marabel Ave. $8,850 to C. H. Georgi, 15 Ely Ave., St. James St. $1,966, Bell Blvd. $1,077, to C. Kurth, 9515 126th St., Richmond Hill, 87th St. $4,589. Noted July 16.

N. J., Carteret—Boro. Council, paving ¾ mi. Emerson and McKinley Sts., to Graham & McKeon, 264 Smith St., Perth Amboy, $26,571. Noted July 2.

N. J., Pitman — Concrete curbing and guttering various streets, to A. B. Platt, Bridgeton, $29,735.

Pennsylvania—State Hy. Dept., Harrisburg, to Forness & Tower, Olean, N. Y., paving 4,768 ft. Pittsfield-Freehold Twps. Rd., Route-88 Spur, Warren Co., 5,348 cu. yd. excav. at $0.90 per cu.yd., 1,850 cu.yd. borrow $0.90, 8,720 sq.yd. rein.-con. paving $3.

Pa., Patton — Boro Council, G. E. Prindible, pres., or Controller of Cambria Co., Court House Ebensburg, grading and paving 2,197 ft. Magree and 4th Ave., 16, 20 and 28 ft., to Fort Pitt Constr. Co., Turtle Creek, $33,499. Engrs. est. $35,000. Noted July 9.

Pa., Pittsburgh — Allegheny Co., rein.-con. repaving 1,963 ft. Lowrie Run Rd., Ross Twp., 18 ft., to D. W. Challis & Sons, Inc., Sewickley, $34,177, engrs. est. $35,000; 1,735 ft. Cornell Ave. extensions, near West View, Ross Twp., to M. O. Herron Co., South 12th and McKean Sts., $33,168, engrs. est. $35,000; 12,300 ft. Churchill Rd., Wilkins Twp., to Wilmerding Supply Co., Wilmerding, $166,291, engrs. est. $170,000. Grand total $233,636.

Maryland — State Roads Comn., Baltimore, concrete paving 1.04 mi. Contr. WO-43, Worcester Co., to St. Michaels Constr. Co., St. Michaels, $27,623; concrete shoulders on 2 mi. Contr. F-26A, Howard Co., to M. J. Grove Lime Co., Lime Kiln, $24,928.

Fla., Haines City—City Council, 120,000 sq.yd. asphaltic concrete paving various streets, to Pryor & McLeod, Haines City, $290,000; and 120,000 sq.yd. various streets, to Interstate Constr. Co., Haines City, $55,000. Noted June 25.

Fla., Tampa—City Comn., grading and 2½ in. asphalt block on 6 in. rock paving Buffalo Ave. from Florida to Main Sts., to W. L. Harwell, 721 South Orleans St., $27,120; and Main St. from Plymouth to Buffalo Sts., to Cone Bros., Tampa, $27,867. Noted June 25.

Miss., Bay St. Louis—Sheet asphalt resurfacing, etc., approximately 62,000 sq.yd. various streets, to Hogan Constr. Co., 825 Southern Trust Bldg., Little Rock, $135,000. Noted Mar. 26.

Miss., Gulfport—Harrison Co., graveling, etc., 17 mi. road from Lyman to Hancock Co. line, to E. Fairley, Saucier, $45,003.

Miss., Jackson — Hinds Co., clearing, grubbing, bridging, grading, etc., 14.6 mi. Federal Aid Projects 79 A and 82 A, to Horey & Gordon, Jackson, $184,107. Noted June 25.

Tenn., Dyersburg — Dyer Co., grading, etc. 10 mi. Dyersburg-Lanes Ferry Rd. to S. R. Hall, Newbern, approximately $25,000.

Tenn., Dyersburg — Dyer Co., grading 2 highways, to P. Schreiner, Seguin, $41,436 and $55,182 respectively.

Tenn., Nashville—City will surface with rock asphalt on limestone approximately 1 mi. 18th Ave., by day labor. $30,000. W. W. Southgate, city engr.

Kentucky—State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading, etc., 2.5 mi. Cannonsburg-Laurel Creek Rd., 24 and 28 ft., F. A. P. 136, Boyd Co., to Ellis & Smeathers, Owensboro, $36,214, 4.8 mi. Bardwell-Wickliffe Rd., 24 and 28 ft., F. A. P. 131-C, Carlisle Co., to J. R. Harkless, Wickliffe, $60,485, 4.19 mi. Greensburg-Hodginsville Rd., 24 and 28 ft., F. A. P. 126-A, Green Co., to Mason Constr. Co., Elizabethtown, $37,347, 3.4 mi. Madisonville-Hopkinsville Rd., 24 and 28 ft., F. A. P. 122-A and B, Hopkins Co., to W. W. Carter, Clay, $47,487, 3.3 mi. Beattyville-Jackson Rd., 24 and 28 ft., S. A. P. 29-C, Lee Co., to Smith Constr. Co., Beattyville, $68,561; bank gravel surfacing 6.3 mi. Louisville-Paducah Rd., F. A. P. 31, Meade Co., to A. J. Hoffman, North Adams, Mich., $58,502. Noted June 18.

Ky., Murray—Grading, curbing and sheet asphalt surfacing 24,850 sq.yd. Main, Maple, 4th and 5th Sts., to Federal Asphalt Paving Co., 218 High St., Hamilton, O., $51,378. Engrs. est. $65,000. Noted July 9.

Streets and Roads (Continued)

O., Bellaire—City Bd. Control concrete paving North Jefferson St., to McClain Constr. Co., Bellaire, $34,848.

O., Wooster—Wayne Co., gravel surfacing Wayne-Holmes County line Rd., to McCall & Co., Barnesville, $28,229. Engrs. est. $30,000.

Ohio — Dept. Highways & Pub. Wks., Columbus, to Mahoning Constr. Co., Warren, grading, bridging and paving 2.934 mi. Sect. C, Jefferson-Geneva Rd., Ashtabula Co., bituminous macadam, tar $69,471, 3.919 mi. Sect. N Ravenna-Parkman Rd., Portage Co., asphaltic macadam $80,536, to Lewis & Copeland, Lima, 3.759 mi. Sects. A-1 and B-3 Wellsville-Salineville Rd., Columbiana Co., concrete $97,814, Sects. E and A-12, Lancaster-Logan Rd., Fairfield Co., furnish brick $12,421, 1.277 mi. Sects. E and A-3 Lancaster-Logan Rd., Fairfield Co., state to furnish brick $34,211, to Modern Constr. Co., Fremont, 1.651 mi. Sects. A and A-1 Sandusky-Clyde Rd., Erie Co., rein.-con. $33,333, to A. Langenderfer, Toledo, 0.13 mi. Sect. B-2 Toledo-Napoleon Rd., Henry Co., Kentucky rock asphalt $88,246, 1.042 mi. Sect. B-2, Toledo-Napoleon Rd., Henry Co., $28,968, to A. J. Baltes, Norwalk, 0.695 mi. Sect. C, Savannah-Vermillion Rd., Huron Co., rein.-con. $18,287, to Hill & Hill, Elyria, 5.522 mi. Sect. J Steubenville-Canton Rd., Jefferson Co. $253,777, 5.012 mi. Sect. K Steubenville-Canton Rd., Jefferson Co. $199,661, 1.007 mi. Sect. "Richmond" Steubenville-Canton Rd., Jefferson Co. $56,850, 1.06 mi. Sect. N Barberton-Greenwich Rd., Medina Co. $41,803, all foregoing concrete, 1.761 mi. Sect. R Barberton-Greenwich Rd., Medina Co., rein.-con. $54,026, to McKechnie-Pierce Co., Toledo, Sect. A, Toledo-Elmore Rd., Lucas Co., furnish brick $15,064, 0.0778 mi. Sect. A Toledo-Elmore Rd., Lucas Co., state to furnish brick $2,177, 1.136 mi. Sect. A, Toledo-Elmore Rd., Lucas Co., state to furnish brick $52,921, to R. Stone Co., 433 Amer. Bank Bldg., Lima, 2.375 mi. Sects. B and Midway, Washington C. H.-London Rd., Madison Co., bituminous macadam, tar $57,215, to H Strodbeck, Mt. Vernon, 0.978 mi. Sect. M-2, Barberton-Greenwich Rd., Medina Co., rein.-con. $28,151, to Bellefontaine Development Co., Bellefontaine, 2.07 mi. Sect. "W Liberty North," Bellefontaine-Urbana Rd., Logan Co., rein.-con. $7,497, to Hinton & Smalley, Celina, 0.742 mi. Sects. A-2 and B, Ft. Recovery-Minster Rd., Mercer Co. $117,447, 0742 mi. Sect. St. Marys Ft. Recovery-Minster Rd., Mercer Co. $14,596, 0.586 mi. Sect. St. Henry, Ft. Recovery-Minster Rd., Mercer Co. $5,457, all rein.-con., to Kenton Constr. Co., Kenton, 5.646 mi. Sects. Y, Arlington and part of X National Rd., Montgomery Co., Kentucky rock asphalt $140,357, to C. O. Baldwin, Hillsboro, 1.526 mi. Sect. F-1, Caldwell-McConnellsville Rd., Noble Co., asphaltic macadam $53,254, to Gluss Bros., Hamler, 4.015 mi. Sect. C, Bonepart-Clinton Rd., Ottawa Co., rein.-con. $110,468, to Merkle Bros., Mansfield, Sect. F-1, Mansfield-Wooster Rd., Richland Co., furnish brick $41,476, 0.383 mi. Sect. F-1 Mansfield-Wooster Rd., Richland Co., state to furnish brick $6,094, 2.947 mi. Sect. H, Mansfield-Wooster Rd., Richland Co., state to furnish brick $57,971, to Trumbull Constr. Co., Warren, 13.85 mi. Sects. L and U Cleveland-East Liverpool Rd. and Sects. N, O and Hudson, Cuyahoga Falls-Chagrin Falls Rd., Summit Co., asphaltic macadam $36,129, to J. Frantz, Sidney, Sect. M, Akron-Wooster Rd., Summit Co., furnishing Lug bricks $5,962, 1.894 mi. Sect. M, Akron-Wooster Rd., Summit Co., state to furnish Lug brick $15,366; to V. Mango, 10 Vienna Ave., Niles, 4.96 mi. Sects. N and P, Warren-Sharon Rd., Trumbull Co., asphaltic macadam $70,416, to Cisler & Morse, Marietta, Sect. A, Marietta-McConnellsville Rd., Washington Co., concrete $24,745, 0.785 mi. Sect. A, Marietta-McConnellsville Rd., Washington Co., concrete $9,036, to Anstine & Carey, Kenton, 2.806 mi. Sects. S, T and West Salem, Ashland-Medina Rd., Wayne Co., asphaltic macadam $83,916; to J. C. McCann, 193 Belvidere Ave., Columbus, grading, etc., 3.875 mi. Sect. O, Salem-Hanoverton Rd., Columbiana Co. $33,528, 0.601 mi. Sect. Hanoverton, Salem-Hanoverton Rd., Columbiana Co. $3,207, to W. S. Hosler, Mt. Blanchard, 0.158 mi. Sect. O-3, Findlay-Delphos Rd., Hancock Co. $10,498, to G. McCalla, Barnsville, 3.798 mi. Sect. D, Columbus-Wooster Rd. $28,229, to Hatfield Constr. Co., 418½ 10th St., Huntington, W. Va., 4.85 mi. Sect. H, Jackson-Ironton Rd., Lawrence Co. $74,382, 4.008 mi. Sect. I, Jackson-Ironton Rd., Lawrence Co. $49,081, 4.308 mi. Sect. J, Jackson-Ironton Rd., Lawrence Co. $39,215, to E. L. Paul, Zanesville, 1.136 mi. Sect. B-1, Newark-Coshocton Rd., Muskingum Co. $10,089; to Richmond-Greenville Gravel Co., Greenville, graveling Sect. A, gravel, Dayton-Indianapolis Rd., Prebel Co. $6,750; to R. E. Foster, Lewisburg, Sect. A-C (Hauling) Dayton-Indianapolis Rd., Preble Co., hauling gravel, $5,730; to Standard Eng. & Constr. Co., 2463 Bway., Toledo, approaches on 0.096 mi. Sect. C-Bridge, Fremont-Tiffin Rd., Seneca Co. $4,021, constructing superstructures on 0.063 mi. same road, $62,830. Grand total $2,352,679.

Illinois — Missouri-Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., grading 3.3 mi. railroad tract from South Dupo to Columbia Quarry Co., near Columbia, here, to W. P. McGeorge & Co., Pine Bluff, Ark., approximately $40,000.

Wis., Milwaukee—Dept. Pub. Wks., concrete paving 3 alleys, to Bodemann Constr. Co., 691 48th St., $15,979; one alley each, to N. Harris, 417 Juneau Pl., $1,461, to C. H. Slattery, 584 71st Ave., $3,764; sandstone block paving south side Clybourn St. from 5th to 6th Sts., and concrete paving 1 alley, to J. C. Bluhm & Son, 1298 Achilles Pl., $5,545 and $3,810 respectively. Grand total $30,599. Noted July 23.

Wis., Milwaukee — W. J. Carry, clerk Milwaukee Co., concrete paving, etc. 15,175 sq.yd. St. Francis Ave., 30 ft., to S. and H. Constr. Co., 92 Mason St., $36,425. Noted July 16.

Wis., Wauwatosa—Bd. Pub. Wks., July 17, to Jacobus & Winding Concrete Constr. Co., 1 State St., improving 8th, 9th, 10th, 11th and Romona Aves., 7,115 cu.yd. grading at $0.45 to $1.00 per cu.yd., 11,638 sq.yd. rein.-con. paving $2.26.

Ia., Stanton—Improving various streets, 26,500 sq.yd. 6 in. and 7,500 sq.yd. 7 in. granite concrete surfacing, 15,000 cu.yd. grading, 19,000 ft. curbing, 9,000 sq.yd. reinforcing, etc., to C. F. Lytle Constr. Co., 504 Nebraska St., Sioux City, $81,569.

Minnesota—State Hy. Dept., 1246 University Ave., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)** concrete paving 120,000 sq.yd. Kellogg-Minneiska Rd., S. P. 3-39, Sect. 1, F. A. P. 327, to Nolan Bros., 18 North 2nd St., Minneapolis, $257,610; gravel surfacing 26,000 cu.yd. S. P. 8-06, F. A. P. 278, to S. J. Reader, 209 Kasta Bldg., Minneapolis, $35,349; grading 194,000 cu.yd. S. P. 1-44, Sect. 5, Div. B, F. A. P. 1, to D. H. Clough & Co., 405 Palladio Bldg., Duluth, $73,136; grading 114,000 cu.yd. S. P. 7-37, F. A. P. 369, to W. H. Duffy, Fairmont, A $17,508, and to Glencoe Constr. Co., B $7,237; 81,000 cu.yd. S. P. 7-38, F. A. P. 369, to J. Brown, Madison Lake, $21,475, Bridge 4363, to T. Jensen, Tracy $10,596, Bridge 4364, to D. Graham, 620 3rd Ave. N, Hibbing, $8,400; grading 325,000 cu.yd. S. P. 7-39, Sect. 1, F. A. P. 367, and constructing Bridge 4411, 35 ft. long, to R. P. Englund, Mitchell, S. D., A $33,400, B $53,409; grading 420,000 cu.yd. S. P. 9-35, to T. J. Friederick & M. W. Barnard & Sons, 510 Globe Bldg., Minneapolis, $192,340; constructing 6 bridges on S. P. 9-35, F. A. P. 312, to E. C. Bingham, Arcadia, Wis., $31,441. Grand total $741,901. Noted June 18.

Minn., Cannon Falls—R. J. Goodwin, city clk., Warrenite bitulithic paving, etc., about 11,654 sq.yd. Mill St., to General Contg. Co., 1222 Plymouth Bldg., Minneapolis, at $2.915 per sq.yd., total approximately $40,000. Noted July 2.

Minn., Minneapolis—A. P. Erickson, aud. Hennipen Co., grading and gravel surfacing, etc., 4.5 mi. Job 25-57, State Aid Rd. 17, to Erickson & Johnson Co., 1811 East Lake St., approximately $55,000.

Minn., St. Paul—C. J. R'es, aud. Ramsey Co., grading and concrete paving 1.25 mi. Ft. Snelling-Mendota bridge connection, to Thornton Bros. Co., 318 Endicott Bldg., $41,318. Noted June 25.

Neb., Papillion—J. E. Strawn, clk. Sarpy Co., **(a)** grading **(b)** gravel surfacing **(c)** culverts **(d)** guard rail **(e)** bridges on **(1)** Project 234-A **(2)** Project 237-A **(3)** Project S. A.-1 **(4)** Project S. A.-2, to G. W. Condon, 510 Farnam Bldg., Omaha, **(a1)** $9,622 **(a2)** $13,009 **(a3)** $1,584 **(a4)** $4,719; to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, **(b1)** $6,698 **(b2)** $16,964 **(b3)** $1,146 **(b4)** $6,874; to Metz Constr. Co., Springfield, **(c1)** $5,492 **(c2)** $3,593 **(c3)** $523 **(c4)** $928 **(d2)** $667 **(d4)** $303; to Monarch Eng. Co., Falls City, **(d1)** $1,480 **(d3)** $323 **(e1)** $4,624 **(e2)** $11,249. Grand total $87,799.

Mo., Clayton—R. Jablonsky, engr. St. Louis Co., grading, curbing, rein.-con. paving, etc. 2,100 ft. Wells and Barnes Aves., 22 ft., to F. C. Stolle, Buder Bldg., St. Louis, $29,247. Engrs. est. $30,000. Noted July 2.

Mo., Sullivan — City Clerk, City Hall, curbing, guttering and concrete paving approximately 18,000 sq.yd. various streets, to H. B. Dawson, Carrollton, Ill., $32,282. Noted June 25.

Tex., Amarillo — Willite paving South Lincoln St. from 10th to 16th Sts., to Plains Paving Co., Amarillo. Noted June 18.

Tex., Gonzales—Gonzales Co. and State Hy. Dept., Austin, grading 8.08 mi. State Highway 1, Federal Aid Project 440-D and E, to L. E. Saunders, Hallettsville, $[illegible],544.

Tex., Port Arthur—J. P. Logan, mayor, shell and asphalt paving various streets, to Haden-Austin, Santa Fe and Runnels St., Houston, $98,000; 2½ in. sheet asphalt on 6 in. concrete paving various streets, to Smith Bros., Santa Fe Bldg., Dallas, $398,353. Noted June 25.

Oklahoma — State Hy. Dept., Oklahoma City, concrete surfacing 46,337 sq.yd. East 23rd St. Rd., Oklahoma Co., to Highway Constr. Co., Cosden Bldg., Tulsa, $99,346. Engrs. est. $111,516.

Okla., Blackwell — Brick and concrete paving various streets, to O. T. Taylor, Blackwell, $129,453.

Okla., Chickasha—G. A. Chincholl, city clk., grading, curbing, guttering and sheet asphalt paving 10,700 sq.yd. Iowa, 17th and Minnesota Sts., to T. Ward, 4401 Classen St., Oklahoma City, $51,998. Engrs. est. $58,800. Noted July 9.

Okla., Tulsa — Grading, curbing and paving 3,392 sq.yd. Dist. 655, and 2,136 sq.yd. Dist. 656, to Western Constr. Co., Daniels Bldg., $24,731 and $9,728 respectively; 4,713 sq.yd. Dist. 657, to H. L. Cannady Co., 1122 South Lewis St., $23,656; 865 sq.yd. Dist. 658, and 840 sq.yd. Dist. 659, to Standard Paving Co., 1742 East 6th St., $4,101 and $4,784 respectively. Grand total $66,400.

North Dakota — State Hy. Comn. and Comrs., McLean Co., Court House, Washburn, graveling, etc., 3.99 mi. road west of Turtle Lake, Federal Aid Project 62-B, 5.98 mi. road from Underwood east, Federal Aid Project 62-A, 4.978 mi. road from Wilton northwest, Federal Aid Project 63-B, and 10.463 mi. road from Garrison west, Federal Aid Project 57-A-B, to Hohman, Webster & Son, Turtle Lake, $39,239. Noted July 2.

Nevada — State Dept. Hy., Carson City, grading, etc., road between point 5 mi. east of Holbrook and east county line, Federal Aid Project 89-B, Sect. A-1, Douglas Co., Contr. 130, to Dodge Bros., Fallon, $40,337. Noted July 9.

Washington — State Hy. Dept., Olympia, clearing, grading, etc. 0.3 mi. State Rd. 12 from Coal Creek Slough east, Cowlitz Co., to J. M. Brewster, Thompson Bldg., Seattle, $42,681; and 1.7 mi. North Bank Highway from Clarke Co. line east, Skamania Co., to Holz, Nelson & Hibbard, Tacoma, $97,451.

Wash., Everett—City, 6 in. one course concrete paving 28,630 sq.yd. McDougall Ave., et al., to Miley & Fox, $89,990. Engrs. est. $90,000.

Wash., Tacoma—Bd. Pub. Wks., grading and 6 in. concrete paving McKinley Ave., et al, to Jos. Warter, 831 South Anderson St., $78,500. Engrs. est. $90,000. Noted July 23.

Calif., Bakersfield — Grading, curbing, guttering, and Warrenite paving California St., C and Sunset Aves., etc., to Union Paving Co., Call Bldg., San Francisco, $46,818. Noted July 2.

Calif., Berkeley—City Council curbing, guttering and 6 in. concrete paving Arlington St., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $98,119. Noted July 9.

Calif., Los Angeles—Curbing, sidewalks, oiling and 6 in. concrete paving Normandie Ave. between Florence Ave. and 83rd St., to G. H. Oswald, 366 East 58th St., $50,106; rein.-con. bridge, oiling, and concrete paving Whitsett Ave. between Sherman St. and Ventura Blvd., to J. Martin, 789 Lyon St., $64,972; grading and 158,308 sq.ft. concrete paving Chase St. between Brand Blvd. and Havenhurst St., to W. Liddington, 420 East 60th St., $29,913; and curbing, guttering, sidewalks, and Warrenite-bitulithic paving Bronson Ave. between Sunset and Santa Monica Blvds., to Los Angeles Paving Co., 2900 Santa Fe Ave., $64,427. Grand total $209,418. Noted July 23.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks and 2 in. bituminous paving 1,890 ft. 122nd Ave., to Warren Constr. Co., Citizens Natl. Bank Bldg., $16,969, engrs. est. $17,028; grading, curbing, guttering and oiling 23,092 ft. Thomas St., to Davis & Saunders, $5,254, engrs. est. $5,782; grading, curbing, guttering and asphaltic concrete paving 42,471 sq.ft. Adobe St., to F. E. Low, 750 South Figueroa St., $29,009. Grand total $51,232.

Calif., Los Angeles—Supervs. Los Angeles Co., grading, curbing, guttering, etc. Downey Rd. between Anaheim Telegraph Rd., and Noakes St., to G. H. Oswald, 336 East 58th St., Los Angeles, $106,640. Noted July 23.

Calif., Ontario—To Griffith Co., Railway Bldg., Los Angeles, improving Magnolia Ave., 19,371 ft. curbing at $0.43 per ft., 304,580 sq.ft. 4 in. asphaltic concrete paving $0.129 total approximately $47,625. Mountain Ave., 26,080 ft. curbing $0.43, 526

Streets and Roads (Continued)

curvd. concrete $13, 414,300 sq.ft. 4 in. asphaltic concrete paving $0.129, total approximately $78,555.

Calif., Merced—Merced Co., 16 mi. asphaltic oil macadam highway in Rd. Dist. 8 to Granite Constr. Co., Watsonville, approximately $209,890.

Calif., Napa — Napa Co., grading and concrete paving Silverado Trail, to T. M. Burns, 2207 N St., Sacramento, $28,945. Noted July 23.

Calif., Oroville—Grading and Warrenite paving Wilcox, Spencer Sts., etc., to Chico Contg. Co., Chico, $51,592.

Calif., Redondo Beach—To B. C. Nichols, 1216 Manhattan Ave., Manhattan Beach, improving South Gertruda Ave., 5,102 lin. ft. curbing at $0.18 per lin.ft., 310 ft. guttering $0.20, 25,625 sq.ft. sidewalks $0.18, 94,943 sq.ft. 5 in. concrete paving $0.18, etc., total $29,490. Noted July 16.

Calif., San Rafael — Grading and asphaltic concrete paving Picnic Ave., etc., to Raisch Impvt. Co., 46 Kearny St., San Francisco, $66,548.

Calif., South San Francisco — Grading, curbing, paving, etc., various alleys, to C. W. Cushing, 2005 Roosevelt Way, Richmond, $37,716.

Buildings—Industrial

PROPOSED WORK

Mass., Boston—GARAGE—T. J. Moynahan, Jr., & A. Erlandson, 59 Carver St., having plans prepared by G. N. Jacobs, 4 Park St., 2 story, 140 x 290 ft., rein.-con., brick and steel, plain foundation, 210 Albany St. $250,000.

Mass., Malden (Boston P. O.)—PLANT—Boston Rubber Shoe Co., 130 Essex St., Boston, having plans prepared rebuilding 2 story, brick, Commercial St. $50,000. Private plans. Noted May 28.

Mass., Winchester—GARAGE and REPAIR SHOP—J. Haggerty, 736 Main St., having plans prepared by Kennedy & Olmsted, 80 Boylston St., Boston, 2 story, rein.-con. garage and repair shop. $40,000.

N. Y., Buffalo — PLANT — Hydrox Chemical Co., 225 West Huron St., Chicago, Ill., purchased site and plans plant, River Rd., here. To exceed $150,000.

N. Y., Buffalo—FOUNDRY—Otis Elevator Co., 813 Northland Ave., plans rein.-con., brick and steel, Northland Ave. $40,000.

N. J., Edgewater — OIL HANDLING PLANT—Lockwood, Greene & Co., engrs., 400 North Michigan Ave., Chicago, Ill., soon lets contract 1 story, oil handling plant, pier, dock, tanks, pumps, etc., here, for Palm Olive Co., Chicago, Ill. $200,000.

Pa., James City—PLANT—Pennsylvania Plate Glass Co. having plans prepared various buildings for plate glass plant, here, 3 mi. from Kane. $2,000,000. Simplex Eng. Co., Washington, engrs.

Pa., Mt. Pleasant — GLASS CUTTING PLANT—Dough & Stewart, Mt. Pleasant, having plans prepared 1 story, 60 x 175 ft., brick, steel and concrete plant, $40,000. Private plans.

Mich., Muskegon — POWER HOUSE — Shaw Walker Co. soon takes bids remodeling 59 x 97 ft. power house. $50,000. Woodmansee-Davidson Eng. Co., 208 South La Salle St., Chicago, Ill., engrs.

Ill., Murphysboro — MILL and WAREHOUSE—Reliance Milling Co., H. K. Dean, pres., 17th and Logan Sts., plans rebuilding 2 story, basement and cupola, 80 x 90 ft., ultimately 90 x 147 ft., brick, plain foundation, recently destroyed by storm. $100,000. Engineer and architect not selected.

Wis., Sheboygan — FACTORY — W. C. Weeks, archt., 720 Ontario Ave., revising plans for 2 story and basement, 44 x 135 ft., brick and steel factory, plain foundation, for H. J. Holman & Sons, 1716 Calumet Dr. $40,000. Former bids rejected. Noted June 18.

Minn., Minneapolis—BUTTER FACTORY—Northwestern Terminal Co., c/o D. Fiske, pres., 1232 1st Natl.-Soo Line Bldg., plans 2 story and basement, 100 x 400 ft., rein.-con., brick and tile, Minneapolis Terminal. $250,000. Engineer and architect not announced. Minnesota Co-Operative Creameries Assn., Hampden Ave. and Charles St., St. Paul, lessee.

Kan., Greensburg — LIGHT PLANT — Voted $50,000 bonds, electric light plant extensions and improvements. A. C. Reed, city clk.

Tex., Denton — HEATING PLANT — North Texas State Teachers College, c/o R. L. Marquis, having plans prepared 2 additional high pressure boilers and enlarging heating plant. $40,000. J. P. Vitz, c/o owner, engr.

Tex., San Benito — POWER PLANT — Valley Electric Co. making surveys increasing power plant by 2,500 hp. Will purchase Diesel units and other machinery. Private plans.

Tex., Yoakum — MANUFACTURING — Yoakum Hosiery Mill Co., c/o C. Mankin, pres., having plans prepared and soon takes bids 100 x 200 ft., brick and steel, plain foundation. $80,000. Engineer and architect not announced.

Ariz., Clifton — HYDRO-ELECTRIC PLANT—W. H. Rosecranz, archt., 108 South La Salle St., Chicago, Ill., takes bids about Sept. 15, 1 story, 40 x 60 ft., rein.-con. hydro-electric plant, incl. 1,000 ft. rock filled dam, rein.-con. faced, 100 ft. high, 6 mi. wood stave pipe line, also 50 mi. transmission line with about 8 steel towers to the mile, here, for Commonwealth Power & Light Corp. of Arizona. $2,000,000.

Calif., Antioch—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., San Francisco, having plans prepared rein.-con. substation. $250,000. Engineering Dept. of Owners, engrs.

Que., Chelsea — MILL — International Paper Co., 100 East 42nd St., New York City, having plans prepared new pulp mill and dam, near here.

Que., Montreal—PLANT—Spencer, Kellogg Co., 1351 North Branch St., Chicago, Ill., plans plant on water front, here. $250,000.

BIDS DESIRED

Mass., Boston—REPAIR and SERVICE GARAGE—Francis & Badger Motor Co., 279 Bway., Chelsea, taking bids 1 story, 11,000 sq.ft. floor space, rein.-con. and brick, Carson St. and Bway. $50,000. Private plans.

Mass., Boston—MILK PLANT—H. P. Hood & Sons, Rutherford Ave., Charlestown, taking bids 1 story, 95 x 215 ft., rein.-con. and brick, plain foundation, Bennington St. $75,000. Private plans.

Mass., East Somerville (mail Somerville)—PLANT—Aug. 3, Ford Motor Co., Highland Park, Detroit, Mich., 1 and part 2 story, 301 x 1,130 ft. auto assembly plant, rein.-con., brick and steel, concrete foundation; also 2 story and basement, 63 x 69 ft., rein.-con., brick and steel power house, and 1 story, 62 x 114 ft. oil house, concrete, brick and steel, Middlesex Ave., here. Noted July 9.

Mass., Webster — SHOP — S. Slater & Sons, Inc., taking bids 2 story and basement, 52 x 103 ft. color shop, and 1 story, 57 x 102 ft. aniline building, both brick. To exceed $40,000. C. T. Main, 200 Devonshire St., Boston, engr.

Conn., Hartford — FACTORY and OFFICE — Spencer Turbine Co., New Park Ave., taking bids 2 story, 44 x 152 ft., brick and steel addition. $150,000. Buck & Sheldon, 60 Prospect St., archts.

Ill., Peoria—STORAGE WAREHOUSE—See "Contracts Awarded."

Wis., Milwaukee — SERVICE — International Harvester Co., 217 Oregon St., taking bids 1 story, 48 x 80 x 120 ft., brick and concrete addition, plain foundation, Reed St. $50,000. Private plans.

Kan., Greensburg—LIGHT PLANT—See "Contracts Awarded."

Kan., Leavenworth—MACHINE SHOP—See "Contracts Awarded."

Okla., Cromwell—GASOLINE PLANT—See "Contracts Awarded."

South Africa, Durban—Power Station—Oct. 13, by Electricity Supply Comn. Johannesburg, power plant, here. A. C. McColm, secy.; adv. E. N.-R. July 30.

CONTRACTS AWARDED

Mass., Boston — BOILER HOUSE and GARAGE—Boston Elevated Railway Co., Park Sq. Bldg., 1 story, brick and steel, to J. McDonald Constr. Co., 77 Summer St. Archts. est. $50,000.

Mass., Charlestown (Boston P. O.) — REPAIR and SERVICE GARAGE — L. Page, 469 Rutherford Ave., 1 story, 80 x 100 ft., rein.-con. and steel, Rutherford Ave., to A. W. McLean, Charlestown. Archts. est. $40,000.

Mass., Dorchester (Boston P. O.) — FACTORY — James Russell Boiler Wks. Corp., 9 Dewar St., 1 story, brick addition, to Fuller Constr. Co., 31 Milk St., Boston. Archts. est. $40,000. Noted July 2.

Mass., Pittsfield — MILL — Pontoosic Woolen Co., 1 story, rein.-con., steel and stone, to Casper Ranger Constr. Co., 20 Bond St., Holyoke. Archts. est. to exceed $40,000. Noted July 2.

Conn., Middletown—FACTORY—Noiseless-Remington Co., North Main St., 2 story, 50 x 250 ft., rein.-con., brick and steel addition, to James Stewart & Co., 17 East 42nd St., New York City. Archts. est. $100,000.

N. Y., Brooklyn—HOUSING STATION—Dept. Plants & Structures, Municipal Bldg., New York City, housing station, New York Ave. between Winthrop St. and Parkside Ave., to Hamilton Chambers Co., 29 Bway., New York City, $114,700. Noted July 16.

N. Y., Jamestown—LIGHTING PLANT—Bd. Pub. Utilities, 1 story, basement and gallery, 100 x 150 ft., brick and steel addition to lighting plant, plain foundation, Steele St., to C. Haas, Monroe and 10th Sts., $100,000. Noted June 25.

Pa., Hatboro—MANUFACTURING—O. Nebel Co., Inc., 5th and Courtland Sts., Phila., 1 story and basement, 40 x 50 ft., and 100 x 285 ft., rein.-con. and brick, plain foundation, to W. Steele & Sons, 219 North Broad St., Phila. Archts. est. $100,000.

Pa., Phila.—FACTORY—Gill Glass Co., Inc., Amber and Venango Sts., 1 story and basement, 120 x 178 ft., rein.-con. and brick addition, plain foundation, Amber and Venango Sts., to W. R. Dougherty, 1610 Sansom St.

O., Upper Sandusky—FACTORY—Wyandot Burial Vault Co., 1 story, vault factory, to E. Day, Upper Sandusky, $50,000.

Ill., Bush—SHOP and ROUND HOUSE—Missouri-Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., 1 story, concrete and steel machine shop, here, to J. A. Moss, 608 South Dearborn St., Chicago, $25,000; 6 stalk rein.-con. round house, to H. C. Hirsch Constr. Co., Wainwright Bldg., St. Louis, approximately $25,000.

Ill., Peoria—STORAGE WAREHOUSE—Keystone Steel & Wire Co., South Bartonville, will build 1 story, 204 x 230 ft., rein.-con., iron and steel addition, plain foundation, at South Bartonville, suburb of here, by day labor. Archts. est. $5 000. Private plans.

Ill., South Beloit — FOUNDRY — Beloit Fdry. Co., 308 Gardner St., Beloit, 86 x 180 ft., brick and steel foundry, plain foundation, to Worden-Allen Co., 208 South La Salle St., Chicago. Archts. est. $40,000.

Wis., Janesville — PLANT — Wisconsin Power & Light Co., Gay Bldg., Madison, 1 story, rein.-con., brick and steel power plant plain foundation, here, to Ford Constr. Co., Janesville. Engrs. est. $40,000.

Wis., Racine — FOUNDRY — Standard Fdry. Co., 1600 Kewaunee St., (1st Unit) 1 story, 90 x 220 ft., brick and steel core room, plain foundation, to Nelson & Co., Janes Block. Noted July 9.

Ia., Sioux City—ROUNDHOUSE, SHOPS, etc. — Illinois Central R.R. Co., 135 East 11th St., Chicago, Ill., general contract on superstructures 1 and 2 story, concrete, brick and steel roundhouse, machine shop, pump house, oil storage house, locker building, etc., here, to Grant, Smith & Co., Pioneer Bldg., St. Paul, Minn. Archts. est. $700,000. Noted June 4.

Minn., Minneapolis—FACTORY—McGill Lithographing Co., 700 South 6th St., general contract 2 story and basement, rein.-con. and brick addition, 515 6th Ave. S., to J. C. Nelson & Sons, 915 Bway. Archts. total est. approximately $60,000.

Kan., Greensburg — LIGHT PLANT — City will build improvements to electric light plant and distribution system, by day labor. $50,000. A. C. Reed, city clk.

Kan., Leavenworth—MACHINE SHOP—A. T. Evans, will build 1 story and basement, 50 x 100 ft., and 36 x 75 ft., rein.-con. and brick machine shop, by day labor. R. W. Watson, Telephone Bldg., archt.

Tex., Temple — ICE PLANT — Temple Ice & Refrigerating Co., 401 South 2nd St., 1 story, 50 x 150 ft., brick plant, West Ave. A between 9th and 11th Sts., to Love Constr. Co., Temple, $25,000; machinery, to Arctic Mchy. Co., 920 Market Ave. S., Canton, O., $75,000.

Okla., Cromwell—GASOLINE PLANT—Sinclair Oil & Gas Co., Sinclair Bldg., Tulsa, will build gasoline plant, incl. nine 160 hp. compressors and two 80 hp. compressors, etc., by day labor. Archts. est. $650,000. W. Baker, constr. supt. L. C. Van Cleave, resident constr. supt.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—STORE and OFFICE—Holdsworth & Farrington, 30 State St., plans 2 or more story store and office 349-361 Washington St. $150,000 or more. Engineer and architect not selected.

Mass., Lynn — APARTMENT—Andrews, Jones, Biscoe & Whitman, archts., 50 Congress St., Boston, making sketches 4 story and basement, brick and stone apartment. $350,000. Owner's name withheld.

Mass., Northampton—WARD—Commonwealth of Massachusetts, Dept. Mental Diseases, having plans prepared by G. Robb, 15 Exchange St., Boston, 3 story and basement, rein.-con. and brick, plain foundation. $200,000.

R. I., Providence—THEATRE—J. Cohn, c/o E. Q. S. Whitford, archt., Hills Grove, making sketches 2 story and basement, 20,000 sq.ft. floor space, rein.-con. and brick, plain foundation, $150,000.

Buildings—Commercial (Continued)

Conn., Middletown—THEATRE—S. and S. Corp., 49 Rappallo Ave., rejected bids 2 story, 60 x 150 ft., rein.-con., brick and steel theatre. $150,000. L. J. Thompson, 586 Corbin Ave., archt. Noted June 11.

N. Y., New York — APARTMENT — S. Hoffman, c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, 77th St. and Amsterdam Ave. $1,000,000.

N. Y., New York — APARTMENT — I. Hohauser, archt. and engr., 1400 Bway., preparing plans 18 story, brick, steel and stone, plain foundation, West 86th St. $1,200,000. Owner's name withheld.

N. Y., New York—APARTMENT—Jatison Constr. Co., Inc., c/o Schwartz & Gross, archts. and engrs., 347 Madison Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, 101 East 83rd St. $2,000,000.

N. Y., New York — APARTMENT — Shreve & Lamb, archts. and engrs., 52 Vanderbilt Ave., preparing plans 5 story, brick, steel and stone, plain foundation, 89th St. and 1st Ave. $500,000. Owner's name withheld.

N. Y., New York—LOFT—M. E. Gossett, c/o C. B. Meyers, archt. and engr., 31 Union Sq., having plans prepared 16 story, brick, steel and stone, plain foundation, 8th Ave. and 35th St. $2,000,000.

N. Y., New York—GARAGE—Watkins Garage Realty Co., Inc., c/o M. Klein, archt. and engr., 39 Graham Ave., Brooklyn, having plans prepared 4 story, rein.-con., brick and steel, plain foundation, Lexington Ave., here. $160,000.

N. J., Newark—OFFICE—W. Lowenstein, 132 West 43rd St., New York City, having plans prepared by L. A. Abramson, archt. and engr., 48 West 46th St., New York City, 12 story, brick, steel and stone, plain foundation, 776 Broad St., here. $500,000.

N. J., Newark—SALES and SERVICE—Reo Motor Car Co., 520 Bway., having plans prepared by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, Conn., 2 story, 150 x 150 ft., rein.-con., plain foundation, Central Ave. $175,000.

—Pa., Phila.—APARTMENT—M. Rutberg, 708 South 4th St., having plans prepared by H. H. Kline, Bulletin Bldg., 4 story and basement, 44 x 145 ft., brick and steel, plain foundation, 2206 North 52nd St. $150,000.

Pa., Pittsburgh — GARAGE—Pittsburgh Parking Co., Inc., c/o Mellon Stuart Co., Olive Bldg., having plans prepared 6 story and basement, 90 x 180 ft., rein.-con., brick and steel, Penn Ave. and Evans Way. $200,000. Private plans.

Pa., Pittsburgh — GARAGE—Pittsburgh Parking Co., Inc., c/o Mellon Stuart Co., Olive Bldg., having plans prepared 9 story and basement, 120 x 147 ft., rein.-con., brick and steel, 6th Ave. between 5th and Wylie Aves. $400,000. Private plans.

O., Canton—THEATRE and OFFICE—H. H. Ink, Genl. Del., having plans prepared by J. Eberson, 212 East Superior St., Chicago, Ill., and soon takes bids 100 x 150 ft. theatre and office building, 6th and Market Sts. $1,000,000.

Ill., Chicago—HOTEL—L. Guenzel, engr. and archt., 879 North State St., takes bids about Sept. 20, 19 story and basement, 80 x 100 ft., brick, granite, steel and stone, caisson foundation, Cass Ave. and Delaware St. for Eitel-Decker Hotel Corp., c/o archt. $1,600,000.

Ill., Wilmette—MASONIC TEMPLE—A. H. Knox, archt., 7 West Madison St., Chicago, soon takes bids 4 story, 66 x 124 ft., rein.-con., brick, steel and stone temple, incl. auditorium, etc., for Temple Assn., here. $150,000. F. A. Randall, 160 North La Salle St., Chicago, engr.

Mo., Kansas City—APARTMENT HOTEL—D. L. Kelley, Lathrop Bldg., having plans prepared 8 story and basement, 8 x 177 x 270 ft., rein.-con. apartment hotel, incl. swimming pool, garage, etc., 46th and Main Sts. Private plans.

Mo., St. Joseph—CITY HALL—City soon takes bids 3 story and basement, 77 x 195 ft., rein.-con. and stone city hall. $500,000. McKim, Meade & White, 101 Park Ave., New York City, N. Y., consulting archts. Eckel & Aldrich, Corby-Forsee Bldg., archts.

Tex., Breckenridge — COURTHOUSE — Stephens Co. takes bids after Aug. 1, 4 or 5 story and basement, rein.-con., brick and stone courthouse and jail, plain foundation. $400,000. D. S. Castle Co., 26-31 Radford Bldg., Abilene, engrs.

Tex., San Antonio — THEATRE — San Antonio Amusement Co., c/o W. J. Lytle, Princess Theatre Bldg., having plans prepared by Boller Bros., engrs. and archts., Douglas Bldg., Los Angeles and 114 West 10th St., Kansas City, Mo. and takes bids about Sept. 1, 5 story and basement, 93 x 276 ft., rein.-con., brick, steel, stone and terra cotta, plain foundation, Houston St. and the River. $1,500,000. Noted June 4.

Tex., Waxahachie—MEDICAL ARTS and OFFICE — Waxahachie Building Co., Medical Arts Bldg., c/o Chamber of Commerce, and L. L. McNair, archt., 110 Hawkins St., soon takes bids 5 story and basement, 60 x 100 ft., rein.-con. and brick, plain foundation, Elm St. Noted July 3.

Okla., Oklahoma City—UNION STATION—Atchison, Topeka & Santa Fe R.R. Co., Ry. Exch. Bldg., Chicago, Ill., C. F. W. Felt, ch. engr., St. Louis-San Francisco R.R. Co., 120 Bway., New York City, F. G. Jonah, ch. engr., and Missouri-Kansas & Texas R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., F. Ringer, ch. engr., making preliminary plans Union Station, rein.-con. and brick, 1st St., here. $1,500,000.

Okla., Ponca City—HOSPITAL—Chember Commerce soon takes bids hospital. $250,000. Schmidt, Garden & Martin, 104 South Michigan Blvd., Chicago, Ill., archts. Noted April 16.

Okla., Tulsa—APARTMENT HOTEL—A. and W. J. Sophian, 405 Waldheim Bldg., Kansas City, Mo., having preliminary plans prepared by Shepard & Wiser, 1208 R. A. Long Bldg., Kansas City Mo., 8 story and basement. rein.-con. and brick, plain foundation, 15th and Frisco Sts., here. $1,000,000.

Wash., Seattle—TERMINAL—J. Graham, archt., Dexter Horton Bldg., making plans and takes bids about Aug. 13, 2 story and 2 basements, fireproof interurban and business terminal, 7th and Olive Sts., for Puget Sound Light & Power Co., Stuart Bldg. $250,000.

Calif., Los Angeles — HOTEL — M. H. Hellman and J. Toplitzky, etc., H. W. Hellman Bldg., had plans prepared by Shultze & Weaver, Pacific Mutual Bldg., 12 story, 186 x 268 ft., terra cotta and brick, West 7th St. near Bixell St. $4,500,000. Noted Jan 24.

Calif., Los Angeles—THEATRE and OFFICE—Warner Bros. represented by J. Toplitsky, H. W. Hellman Bldg., had preliminary plans prepared by G. A. Landsburgh, 700 Hill Street Bldg., 4 story and basement, 196 x 223 ft., steel and concrete, Wilcox Ave. and Hollywood Blvd. $1,250,000.

Calif., San Francisco—OFFICE—A. I. Esberg, 216 Pine St., plans 20 story and basement, Montgomery and Sutter Sts., $1,000,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Boston—GARAGE—L. S. Kaufman, 43 Tremont St., taking bids 2 story, 100 x 300 ft., rein.-con. and brick, plain foundation, Lehigh and Albany Sts. $200,000. G. N. Jacobs, 4 Park St., archt. Noted July 16.

Mass., Norwood—HOSPITAL—Norwood Hospital, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, taking bids 3 story and basement, brick and stone, plain foundation. $200,000. Noted Oct. 2.

R. I., Providence—THEATRE—See "Contracts Awarded."

Conn., Stamford—APARTMENT—Realty Impvt. Co., Atlantic St., taking bids 3 story, 80 x 115 ft., brick and steel, Atlantic St. $150,000. A. S. Meloy, 2965 Main St., archt.

Conn., Stamford—WAREHOUSE—Aug. 1, by W. Shaefer & Son, 30 Worth St., 4 story and basement, 50 x 100 ft., rein.-con., brick and steel, plain foundation, Worth St. $150,000. Moores & Dunford, 110 East 42nd St., New York City, archts. Noted May 28.

Conn., Willimantic — OFFICE, etc. — Southern New England Telephone Co., High St., taking bids 2 story and basement, brick and steel addition. $150,000. R. W. Foote, 185 Church St., New Haven, archt.

Pa., Lehighton—MASONIC HALL—Aug. 10, by Jacoby & Everett, archts., Commonwealth Bldg., Allentown, 3 story and basement, 65 x 130 ft., brick and steel, plain foundation, for Masonic Hall Assn. $150,000. Noted June 4.

Pa., Mt. Lebanon — HOME — Methodist Episcopal Bd., c/o A. Appleton, pastor, 130 Peermont Ave., Dormont, taking bids 3 story and basement, 95 x 105 ft., brick and hollow tile, Bower Hill Rd. $150,000. T. B. and L. Wolfe, Century Bldg., Pittsburgh, archts.

Pa., Pittsburgh—GARAGE, etc.—Aug. 10, by National Biscuit Co., 85 9th Ave., New York City, N. Y., 3 story and basement, 65 x 120 ft., brick, concrete and steel addition, Aurelia St. $150,000. J. I. Wirching, c/o owner, archt.

O., Cleveland — APARTMENT — Greenwald & Stecher, Society for Savings Bldg., taking bids three 3 story and basement, brick apartment buildings, East 142nd St. and Kinsman Rd. $300,000. N. Petti, Williamson Bldg., archt.

Mich., Saginaw — COURT HOUSE and JAIL—Aug. 10, by G. E. Warren, ch. Bd. Supervs. Saginaw Co., two 3 story and basement, 40 x 76 ft. additions to courthouse, and 4 story and basement, 37 x 52 ft. addition to jail, both rein.-con. and stone, plain foudations, Court House Sq. $283,000. Allen & Kamper, 3729 Cass Ave., Detroit, archts.

Ill., Chicago—HOTEL and BATH HOUSE—Aug. 1, by Leichenko & Weser, archts. and engrs., 3 story and basement, 75 x 135 ft., rein.-con. hotel, bath house and swimming pool. $500,000. Owner's name withheld.

Wis., Janesville—Aug. 3, by J. A. Steiner, secy., Y. M. C. A., 402 West Milwaukee St., 3 story and basement, 120 x 120 ft., brick and concrete, plain foundation. $250,000. Leenhouts & Guthrie, 424 Jefferson St., Milwaukee, archts. Noted June 11.

Wis., Milwaukee — HOME — Aug. 4, by Scott & Mayer, archts., 214 Mason St., 4 story and basement, 32 x 40 ft., and 42 x 132 ft., brick and concrete addition, Downer Ave., for Protestant Home for Aged, 503 Downer Ave. $200,000. Noted July 16.

Wis., North Milwaukee—THEATRE and BUSINESS—E. A. Meyer, archt., 2703 Lisbon Ave., Milwaukee, taking bids and opens same about Aug. 10, 2 story and basement, 92 x 120 ft., rein.-con., tile and brick, plain foundation, Villard Ave., for M. Brumm, c/o Princess Theatre. $175,000. Noted Feb. 19.

Minn., Faribault — DORMITORY — Aug. 10, by Shattuck School, C. W. Newhall, 3 story and basement, rein.-con., brick, and stone dormitory. $150,000. Former bids rejected. C. H. Johnston, 715 Capitol Bldg., St. Paul, archt. Noted July 2.

Minn., St. Cloud — REFORMATORY SCHOOL—See "Contracts Awarded."

Ia., Des Moines—TEMPLE and OFFICE—Aug. 3, by Sa Ga Sig Lodge A. A. O. N. M. S., c/o S. H. Harlan, 702 South 6th St., and Sawyer & Watrous, archts., 401 Hippee Bldg., 12 story and basement, rein.-con., brick, steel and stone, Pleasant St. between 9th and 10th Sts. $1,000,000. This corrects report in July 23rd issue.

Calif., Los Angeles—APARTMENT—H. H. Abernathy, corner Wilcox Ave. and Hollywood Blvd., taking bids 14 story and basement, 75 x 106 ft., brick, 655 LeBrea Ave. $700,000. L. L. Jones, 602 Grosse Bldg., archt. Noted July 9.

Calif., Los Angeles—LOFT—Harris-Newmark Co., c/o Curlett & Beelman, archts., 408 Union Bank Bldg., taking bids 12 story and basement, 140 x 160 ft. loft, Los Angeles and 9th Sts. $650,000. Noted Apr. 16.

Calif., Los Angeles—OFFICE, GARAGE, etc.—Walker & Eisen, archts., Great Republic Bldg., taking bids 3 and 4 story, 182 x 215 ft., rein.-con. store, office and garage building, at 6th and Loomis Sts., for Union Automobile Insurance Co., Lane Mortgage Bldg. $600,000 or more. Noted July 16.

Calif., Santa Ana — STORE, APARTMENT and THEATRE — A. G. Bailey, archt., Hillstreet Bldg., and C. Boller, associate archt., Douglas Bldg., Los Angeles, taking bids 2 story and basement, 80 x 175 ft., rein.-con. and steel, 5th St. and Bway., here, for Bway. Development Co., Los Angeles.

Calif., Santa Ana—THEATRE, APARTMENT, etc.—F. E. Farnsworth, taking bids 3 story and basement, 80 x 175 ft., brick and steel, Bway. and 5th St. $150,000. A. G. Bailey, 410 Hillstreet Bldg., Los Angeles, archt. E. O. Yost, Santa Ana, lessee.

BIDS RECEIVED

Pa., Phila.—HOSPITAL—Dept. Health, W. Krusen, dir., City Hall, July 21, general contract 4 story and basement, 45 x 126 ft. and 60 x 125 ft. administration building, 2 story and basement, 94 x 124 ft. clinic, 5 story and basement, 50 x 113 ft. and 31 x 85 ft. Childrens Ward A, 5 story and basement, 50 x 113 ft. and 30 x 83 ft. each Womens Nervous Ward A, Womens Surgical Ward C, Mens Surgical Ward D, Womens Medical Ward E, Mens Medical Ward F and Maternity Ward G with connecting corridors, rein.-con., brick and steel, 34th and Pine Sts., from Roberts & Roller, 1904 Sansom St., $3,640,000; plumbing, from N. Connelly, 1404 North 18th St., $337,000; heating, from W. Anderson, 600 Schuylkill Ave., $524,230; electrical work, from Ross Electric Contg. Co., 106 Fairmount St., $255,000. Noted July 9.

Tex., El Paso—HOTEL—C. A. and A. C. DeGroff, general contract 11 story and basement, 120 x 130 ft., rein.-con., brick and stone, plain foundation, from Ramey Bros. El Paso, approximately $700,000.

CONTRACTS AWARDED

Mass., Boston—OFFICE and STORE—Bowdoin Square Co., R. M. Dobbins, 209 Washington St., 2 story and basement, 11,000 sq.ft. floor space, brick and limestone, plain foundation, Court and Bulfinch Sts.,

Buildings—Commercial (Continued)

to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. $150,000. Noted May 28.

Mass., Watertown (Ind. br. Boston) — STOREHOUSE—Boston Consolidated Gas Co., 149 Tremont St., Boston, 2 story, 100 x 128 ft., rein.-con. and brick, Water St., to C. C. Temple Co., 99 Chauncy St., Boston. Archts. est. $150,000.

R. I., Central Falls—HOSPITAL—Notre Dame Hospital, Sylvian St., 2 story, brick and stone, Broad St., to Rowley Constr. Co., 260 Central Ave., Pawtucket. Archts. est. $150,000.

R. I., Providence—THEATRE, etc.—D. Annotti, 345 Bway., will build 2 story, rein.-con. and steel theatre, store and office building, by day labor. Archts. est. $175,000. O. DiSala, 262 Bway., archt.

R. I., Woonsocket — THEATRE and STORE—Whiting Realty Co., c/o Perry & Whipple, engrs. and archts., Hospital Trust Bldg., Providence, 1 story, 88 x 144 ft. theatre, 2 story, 48 x 64 ft. arcade, and 4 story, 55 x 112 ft. store, Monument Sq., to Western Constr. Co., Woonsocket. Archts. est. to exceed $150,000. Noted July 9.

Conn., Manchester—ADMINISTRATION —Bd. Selectmen, 2 story, rein.-con., brick and steel, site of present town hall, to Peck-McWilliam Co., 47 West Main St., Norwich, $161,000. Noted July 23.

N. Y., Albany—WAREHOUSE—Standard Oil Co., 26 Bway., New York City, 100 x 200 ft. warehouse, here, to Aberthaw Co., 27 School St., Boston, Mass., $200,000.

N. J., Trenton—NURSES HOME—Mercer Hospital, general contract 3 story and basement, 63 x 124 ft., brick and limestone, to T. M. Day & Son, 219 East Hanover St., $163,327; plumbing and heating, to Trenton Plumbing & Heating Co., Broad and Greenwood Sts., $27,930.

Pa., Hanover—HOTEL—Community Hotel Co., Richard McAllister Hotel, 5 story and basement, 115 x 159 ft., to O. H. Hostetter, Hanover.

Pa., Lansdowne — BANK — Bunting & Shrigley, archts., 603 Chestnut St., Phila., 2 story and basement, 46 x 70 ft., and 50 x 82 ft., rein.-con., brick and steel, plain foundation, Baltimore and Lansdowne Aves., here, to Chester Constr. & Contg. Co., Crozer Bldg., Chester, for Lansdowne Trust Co., Lansdowne Ave. and Pennsylvania Ry. Archts. est. $175,000. Noted July 9.

Pa., Phila. — ADMINISTRATION — J. Molitor, city archt., Bankers Trust Bldg., general contract 2 story and basement, 25 x 42 ft. and 40 x 200 ft., rein.-con., stucco and steel, South Broad St., Moyamening and Oregon Aves., for Sesqui Centennial International Exposition, Bellevue and Stratford St., to David Lutz Co., 23 and Chestnut Sts., $58,700. Noted July 16.

Pa., Phila. — APARTMENT — Highland Apartments, Inc., c/o H. B. Weldon, archt., 1817 Callowhill St., 3 story and basement, 90 x 128 ft., brick and steel, plain foundation, 212-24 West Highland Ave., to F. W. Mark Contg. Co., Commercial Trust Bldg., $244,000.

Pa., Pittsburgh — OFFICE — Fullayter Realty Co., (owner), and Hunting Davis Co., archts., Century Bldg., general contract 10 story and basement, 50 x 100 ft. office building 431-33 Penn Ave., to H. Shenk Co., Century Bldg. Archts. est. $500,000.

Ga., Macon—JAIL—Bibb Co., top addition to court house for jail, to Van Dorn Iron Wks., 2685 East 79th St., Cleveland, O., $270,805.

Fla., Lakeland—HOTEL—H. Conrad, 8 story hotel, Massachusetts and Lemon Sts., to Lovering, Longbotham Constr. Co., St. Petersburg, $836,000.

Fla., Sarasota — THEATRE, APARTMENTS, etc.—A. B. Edwards, 3 story, 80 x 190 ft. theatre, apartment, and office building, Pineapple St., to G. A. Miller, Florida Ave., Tampa, $210,000. Noted Apr. 2.

La., New Orleans — BANK — Favrot & Livaudais, archt., Hibernia Bank Bldg., 3 story, rein.-con., brick and stone bank building, to G. J. Glover Co., Inc., Whitney Central Bank Bldg., for New Orleans Federal Land Bank, St. Charles and St. Joseph Sts., part basement $242,556, full basement $268,720.

Miss., Jackson — WAREHOUSE — White Central Lumber Co., 125 x 200 ft. warehouse, 1,000,000 ft. lumber capacity, to W. J. McGee & Son, Jackson, Mich.

Mich., Detroit—OFFICE—B. F. Stephenson, 1340 Penobscot Bldg., 10 story and basement 85 x 120 ft., rein.-con., brick, plain foundation, Cass Ave. and West Grand Blvd., to E. Winters Co., 1024 Book Bldg.

Wis., Kenosha — THEATRE — Saxe Amusement Co., 530 Grand Ave., Milwaukee, and Dayton Bros., Orpheum Theatre, Kenosha, 3 story and basement, brick and concrete, plain foundation, Market St., to Immel Constr. Co., Dana Bldg., Fond du Lac. Archts. est. $180,000.

Minn., Minneapolis—STORE and APARTMENT — Franklin Realty Co., 4th and Franklin Aves., general contract 3 story and basement, 100 x 128 ft., rein.-con., brick, tile and terra cotta, 4th and Franklin Aves., to Madsen Constr. Co., 527 2nd Ave. Archts. total est. $150,000.

Neb., Omaha — MERCANTILE — S. S. Kresge Co., remodeling Bennett Bldg., 5 story and basement, 16th and Harney Sts., to Parsons Constr. Co., 404 Arthur Bldg. Engrs. est. to exceed $200,000. This corrects report in July 23 issue.

Mo., Kansas City—APARTMENT—D. E. Long, Chambers Bldg., 4 story and basement, 84 x 104 ft., rein.-con., plain foundation, 3521 Baltimore Ave., to R. D. Shore, 3542 Main St. Archts. est. $250,000.

Mo., St. Louis—OFFICE—P. Brown, c/o I. T. Cook Co., Arcade Bldg., 16 story and basement, 108 x 116 ft., rein.-con., brick, stone and steel top addition, 9th and Pine Sts., to A. Monschein, 1727 Arcade Bldg. Noted July 2.

Mo., St. Louis—OFFICE, etc.—Peoples Finance Corp., 2331 Market St., 5 story and basement, 81 x 116 ft., rein.-con., brick and terra cotta, Jefferson and Market Sts., to Widmer Eng. Co., Laclede Gas Bldg. Archts. est. $350,000.

Mo., St. Louis—STORE—Stocke-Peterman Furniture Co., 3719 North 14th St., 4 story and basement, 75 x 120 ft., rein.-con., brick and stone store and warehouse, Union and Natural Bridge Sts., to A. H. Haesler Building & Contg. Co., Wainwright Bldg. Archts. est. $175,000. Noted May 21.

Tex., San Antonio—APARTMENT HOTEL, etc.—S. L. Jeffers, 1 Bushnell Pl., 12 story and basement apartment hotel, and 12 story and basement hotel, both rein.-con., brick and tile, plain foundation, Ave. E and 3rd St., to General Constr. Co., 607 Nogales St., approximately $700,000 and $650,000 respectively. Noetd July 2.

Wash., Aberdeen — LODGE — C. A. Haynes, archt., Aberdeen, 4 story and basement, 130 x 140 ft., fireproof lodge for B. P. O. E., to Lamb & Horrocks, Aberdeen, approximately $185,000. Noted Apr. 2.

Wash., Seattle — APARTMENT — S. W. Strauss & Co., Empire Bldg., 8 story, 56 x 100 ft., Class A, East Olive and Belmont Sts., to Western Constr. Co., Seaboard Bldg., $300,000.

Calif., Los Angeles — APARTMENT — California Land & Building Co., 720 Story Bldg., 4 story and basement, 90 x 415 ft., concrete and brick, South Berendo St., to Callahan & Sons, 518 South Carondelet St., approximately $175,500.

Calif., Los Angeles — CLUB — Citizens Mortgage Co., Loews State Bldg., 13 story, 98 x 110 ft., brick and terra cotta, 11th St. and Bway., to Scofield Eng. Constr. Co., 728 Pacific Finance Bldg., $850,000.

Calif., Wilmington — WAREHOUSE — Harbor Constr. Co., 326½ Canal Ave. (archts. and contractors), will build 3 story, 100 x 150 ft., rein.-con., Marine Ave. To exceed $150,000.

H. T., Honolulu, Waikiki Beach—HOTEL —Hawaii Holding Corp., 6 story and basement, 114 x 136 ft., rein.-con., stucco and stone, to H. E. Ketchum, Pacific South West Bldg., Long Beach Calif., $500,000.

Ont., Ottawa—HOME—Grey Nuns of the Cross, Sussex St., 4 story and basement, 50 x 210 ft., and 35 x 40 ft. kitchen, rein.-con. and brick addition to St. Charles Home, Water St., to T. Lambert, 168 Laurier Ave., Hull, $180,000.

Buildings—Educational, Religious

PROPOSED WORK

N. H., Concord—HIGH SCHOOL—School Com. having sketches made by J. D. Leland Co., 41 Mt. Vernon St., Boston, Mass., 2 story and basement, brick high school. $500,000. Noted Apr. 16.

Mass., East Douglas—SCHOOL—Town, Supt. Schools, having plans prepared by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, 2 story and basement, brick and semi fireproof, plain foundation. To exceed $150,000.

Mass., Fall River—SCHOOL—City, Supt. Pub. Buildings, plans 2 story, brick, Milton St. $150,000-$200,000. Engineer and architect not selected.

Mass., Lowell—CHURCH—St. Jean De Arc Church having plans prepared by W. F. Fontaine, 285 Main St., Woonsocket, 2 story, brick church. $150,000.

Mass., Medford — COLLEGE — Marist Fathers, A. Rabel, pastor, 35 Middlesex St., North Cambridge, having plans prepared by W. F. Fontaine, 285 Main St., Woonsocket, R. I., 2 story and basement, rein.-con., granite and stone, plain foundation, Green Rd. $500,000.

Mass., Medford — SCHOOL — City, W. White, chn. School Com., 21 Water St., having sketches made by M. A. Dyer, 1 Beacon St., Boston, 2 story, brick, Fulton Heights. $150,000.

Mass., Rosindale—CHURCH—Church of Our Savior, J. G. Carey, pastor, 46 Albano St., having plans prepared by H. E. Davidson & Son, 46 Cornhill St., Boston, 1 story and basement, 48 x 116 ft., brick and granite, South St. $150,000. Noted Dec. 25.

Mass., Rosindale (Boston P. O.) — SCHOOL — City, Schoolhouse Dept., City Hall, Boston, having sketches made by Blackall & Elwell, 44 Bromfield St., 1 story and basement, brick and stone, Longfellow Dist., here. $150,000.

Mass., Roxbury (Boston P. O.) — CHURCH—Ruggles St. Baptist Church, M. Thompson, pastor, plans rebuilding church, recently destroyed by fire. To exceed $150,000. Engineer and architect not selected.

Mass., Saugus—SCHOOL—Town, C. W. Hanson, chn. School Building Com. having sketches made by R. H. Doane, 162 Newbury St., Boston, 2 story and basement, brick and stone, plain foundation. $150,000. Noted Apr. 30.

Mass., Taunton—SCHOOL—School Com. having plans prepared by McLaughlin & Burr, 88 Tremont St., Boston, 2 story and basement, brick and stone school, plain foundation. $500,000. Noted Feb. 19.

Conn., New Britain—SCHOOL—City, M. Halloran, chn., rejected bids 2 story and basement, 65 x 300 ft., brick and steel, plain foundation, Day, Goodwin and Austin Sts. $250,000. Will readvertise. H. E. Ludorf, 122 Main St., archt. Noted June 18.

Conn., New Haven — CHURCH — St. Anne's Roman Catholic Church, V. J. Camarota, chn., 77 Gorham St., Hamden, soon takes bids 1 story and basement, 45 x 115 ft., brick and steel, Arch St. and Dixwell Ave. $150,000. F. Rubino, 593 Howard Ave., archt.

Conn., West Haven (br. of New Haven) —HIGH SCHOOL—Bd. Educ. having plans prepared by R. W. Foote, 185 Church St., New Haven, 2 story and basement, 120 x 240 ft., brick and steel, Main St. $350,000. Noted Feb. 19.

N. J., Gloucester—HIGH SCHOOL—Bd. Educ. having plans prepared by Ritter & Shay, Packart Bldg., Phila., Pa., high school. $300,000.

Md., Baltimore—SCHOOLS—Mayor and City Council having revised plans prepared by C. N. and N. Friz, Lexington Bldg., 3 story and basement, 62 x 111 x 205 ft., Rogers Ave. near Denmore Ave., 3 story and basement, 62 x 111 x 205 ft., Glenmore, Christopher and Sylvan Aves., and 3 story and basement, 62 x 146 x 205 ft., Alto Ave. near Lyndhurst Ave., all brick and steel, plain foundations. Former bids rejected. H. F. Dolleman, 507 North Charles St., engr. Noted June 18.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohman & Page, 2231 Park Pl., 2 story and basement, 86 x 163 ft., rein.-con., brick and steel, plain foundation, Waveney Ave. $160,000.

Mich., Escanaba—HIGH SCHOOL—Bd. Educ., H. Kunert, pres., having plans prepared by G. Arntzen, Escanaba, 3 story and basement, brick high school, plain foundation. To exceed $150,000.

Wis., Milwaukee — GRADE SCHOOL — School Bd., F. Harbach, secy., had plans prepared by Van Ryn & De Gelleke, 10th and Prairie Sts., and soon takes bids 3 story and basement, 124 x 130 ft., brick, tile and concrete, plain foundation, 52nd and Galena Sts. $350,000.

Wis., Milwaukee — SCHOOL — St. Elizabeth Congregation, C. Bittle, pastor, 192 Burleigh St., having plans prepared by Backes & Uthus, 216 West Water St., 2 story and basement, 20 room, brick and concrete, plain foundation, 1st St. $200,000.

Ia., Marshalltown—HIGH SCHOOL—Bd. Educ. takes bids about Sept. 15, Senior High School, 3 story and basement, brick and concrete high school. $325,000. Dougher, Rich & Woodburn, 320 Valley Natl. Bank Bldg., Des Moines, archts.

Minn., Minneapolis—SCHOOL—State Bd. Administration, H. W. Austin, chn., Capitol Bldg., St. Paul, plans 3 story and basement, rein.-con., brick, tile and stone, at State University, here. $175,000. Engineer and architect not announced.

Kan., Hays—LIBRARY—State Building Comn., Topeka, having plans prepared by C. D. Cuthbert, 735 Kansas St., Topeka, library at State Teachers College, here. $150,000 appropriated.

Kan., Kansas City—CHURCH, etc.—St. Pauls Methodist Episcopal Congregation having plans prepared by A. K. Moseley, 351 River St., Troy, N. Y., 2 story and

Buildings—Educational, Religious (Cont.)

basement, concrete and stone, 7th and State Sts. $150,000. C. H. Poindexter, Brotherhood Bldg., chn. Building Com. Noted July 2.

Mo., Joplin—SCHOOLS—Plans election in Fall $750,000 bonds for schools. Noted July 9.

Mo., St. Louis—ZOOLOGY and BIOLOGY—Washington University, Forsythe and Skinker Blvds., having preliminary plans prepared by Jamieson & Spearl, Arcade Bldg., 3 story, rein.-con., brick and stone, Forsythe Blvd. $300,000.

Tex., McAllen—CHURCH and OFFICE—Methodist Church having plans prepared by H. P. Smith, archt. and engr., Natl. Bank Commerce Bldg., San Antonio, 6 story and basement, 60 x 120 ft., rein.-con. and hollow tile, plain foundation.

Tex., San Antonio—SCHOOL—City Pub. School having plans prepared by Phelps & DeWees, archts. and engrs., Gunter Bldg., Junior High School, rein.-con., brick and stone, plain foundation, Berkshire and Yorkshire Sts. $200,000. Voted $300,000 bonds of which $100,000 to be used for above. Noted July 2.

Okla., Carmen — CHURCH — Methodist Episcopal Church, having plans prepared by H. H. Dohe, Okeene, 1 story and basement, 76 x 134 ft., brick, plain foundation, Main St. $150,000.

Okla., El Reno — HIGH SCHOOL and HALL—City, c/o E. Dowell, corp. clk., had plans prepared by Layton, Hicks & Forsyth, 908 Braniff Bldg., Oklahoma City, 3 story, 100 x 140 ft., rein.-con. and brick, plain foundation. $165,000. Noted June 18.

Okla., Enid — CHURCH — Presbyterian Church had plans prepared by R. W. Shaw, Enid 1 story and basement, 86 xx 174 ft., brick, plain foundation, Randolph St. $225,000. Noted March 19.

Okla., Norman — CHURCH — First Christian Congregation, F. M. Warren, pastor, plans church. $250,000.

Calif., Alhambra — CHURCH and SCHOOL—Roman Catholic Archbishop, Los Angeles, having preliminary plans prepared by R. Montgomery, 622 Story Bldg., Los Angeles, probably rein.-con. church and school, here. $150,000.

Calif., Long Beach — CHAPEL and CREMATORY—Sunnyside Mausoleum Co., c/o C. L. Jay, archt., 845 East Washington St., Pasadena, having plans prepared rein.-con., Cedar Ave. $350,000.

Calif., Los Angeles—SCHOOL—City had plans prepared by M. Hunt & H. Chambers, Hibernian Bldg., 2 story, 60 x 145 ft. with 40 x 71 ft. wings, rein.-con. and timber, Stanford Ave.

Calif., Van Nuys—HIGH SCHOOL—Van Nuys High School Dist., having plans prepared by O. H. Neher & H. Hasenberger, Insurance Exch. Bldg., Los Angeles, 1 story manual arts building, 1 story domestic science building, and 1 story boiler room, etc. $165,000.

BIDS DESIRED

Me., Brunswick — CHURCH — Baptist Church Society taking bids 1 story and basement, brick and stone church. $150,000. C. R. Greco, 11 Beacon St., Boston, archt.

Me., Guilford—HIGH SCHOOL—Town, Superintendent Schools, taking bids 1 story and basement, 60 x 140 ft., brick and stone, high school. $150,000. Bunker & Savage, Augusta Trust Bldg., Portland, archts.

N. H., Lebanon—HIGH SCHOOL—Town, School Bd., taking bids 2 story and basement, 100 x 132 ft., brick and tile high school, plain foundation. $150,000. Larson & Wells, Hanover, archts. Noted Jan. 8.

N. H., Littleton—HIGH SCHOOL—Town, A. T. Downing, chn. com., taking bids 2 story and basement, 114 x 150 ft., brick, steel and tile high school, plain foundation. $150,000. Noted June 18.

Mass., North Medford—SCHOOL—Aug. 6, by City, Dept. Schools, City Hall, 2 story and basement, 65 x 110 ft., brick and steel, plain foundation, Fulton Heights. $150,000. M. A. Dyer, 1 Beacon St., Boston, archt.

Mass., Weymouth (Ind. br. Boston) — SCHOOL—Town, School Com. taking new bids 2 story and basement, brick and stone, plain foundation, Bridge St. $150,000. Former bids rejected. J. W. Beal Sons, 185 Devonshire St., Boston, archts. Noted July 9.

R. I., Providence—SCHOOL—Aug. 1, by Rhode Island College, c/o W. R. Walker & Son, archts., 49 Weybosset St., 3 story, 60 x 200 ft., brick and steel, plain foundation, Gaspee St. $600,000. Noted July 23.

Conn., Hartford—SCHOOL—City, Northeast School Dist. taking bids 2 story and basement, brick and steel school, incl. swimming pool, Bellevue St. $175,000. Golden Storrs & Co., 983 Main St., archts. Noted July 23.

Conn., North Haven — SCHOOL — City, School Com., 169 Church St., New Haven, taking bids 2 story and basement, brick and steel school. $150,000. Brown & Von Beren, 185 Church St., New Haven, archts.

N. Y., Great Neck—SCHOOL—Aug. 14, by W. G. Genner, clk. Bd. Educ. Union Free School Dist. 7, Town of North Hempstead, addition to grade school, here. W. S. Bessell, 48 West 49th St., New York City, archt.; adv. E. N.-R. July 30.

Pa., Bloomsburg—HIGH SCHOOL—Aug. 7, by Bd. Educ., R. A. McCochran, secy., 2 story and basement, 174 x 189 ft., rein.-con. and brick, Center and 1st Sts. $300,000. Ritter & Thay, Packard Bldg., Phila., archts. Noted May 7.

Pa., Picture Rocks — VOCATIONAL SCHOOL—Aug. 3, by W. L. Sprout, secy. School Assn., 1 story and basement, 105 x 190 ft., brick, here. $150,000. M. E. Kressly & Co., 1941 Lenox St., Harrisburg, archts.

La., New Orleans—SCHOOL—Aug. 11, by E. A. Christy, superv. archt., Orleans Parish School Bd., City Hall annex, Jackson School, 3 story, rein.-con. and brick, Camp, Terpsichore, Magazine and Robins Sts. $350,000.

O., New Philadelphia—HIGH SCHOOL—Aug. 12, by Bd. Educ., Junior High School, 2 story and basement, 143 x 180 ft., brick, steel and concrete. $350,000. Walker & Norwick, 1301 Amer. Bldg., Dayton, archts. Noted Jan. 29.

Ind., Greencastle—SCHOOL—Aug. 1, by Consolidated City School Twp., Walnut St. and College Ave. for school. $85,000 bonds to be sold Aug. 11, for project. McGuire & Shook, 320 Indiana Pythian Bldg., Indianapolis, archt.

Mich., Detroit—CHURCH—Lane, Davenport & Peterson, archts., 1017 Charlevoix Bldg., taking bids 2 story and basement, 100 x 100 ft., brick, steel and stone, plain foundation, Palmer Park, for Palmer Park Presbyterian Church. $150,000.

Mich., Detroit—CHURCH—G. D. Mason & Co., archts., 80 Griswold St., taking bids 2 story and basement, 41 x 118 ft., and 56 x 60 ft., rein.-con., brick and steel, plain foundation, 3rd and Philadelphia Ave., for Christ Evangelical Lutheran Church. $150,000.

Mich., Detroit—SCHOOL—Aug. 3, by Bd. Educ., 2 story and basement, 86 x 163 ft., rein.-con., brick and steel, plain foundation, Bremen and Buckingham Aves. $170,000. McGrath, Dohmen & Page, 2231 Park Ave., archts.

Mich., Onsted—HIGH SCHOOL—Aug. 10, by Bd. Educ., 2 story and basement 67 x 100 ft., rein.-con., brick and steel, plain foundation, Dist. 5. $150,000. Warren Holmes-Power Co., Lansing, archts.

Mich., River Rouge — SCHOOL — Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., Detroit, archts., taking bids and opens same about Aug. 10, 2 story and basement, 120 x 150 ft. rein.-con., brick and steel school, plain foundation, here, for Bd. Educ. $200,000.

Ont., Peterboro—COLLEGIATE—Aug. 3, by G. H. Thompson, secy.-treas. Bd. Educ., 3 story, 20 room addition. $300,000. W. and W. R. L. Blackwell, Bank of Commerce Bldg., archts.

BIDS RECEIVED

Mass., Lawrence—SCHOOL—City, Supt. Schools, 2 and 3 story and basement, 150 x 152 ft., brick and stone, Allen St., Eastern Sect., from E. A. Peabody & Son, Bay State Bldg., $323,300. Noted July 2.

Conn., Stamford — SCHOOL — School Comn., C. H. Martin, 2 story and basement, concrete, brick and steel addition, to Stevens School, incl. domestic science and manual training rooms, Fairfield Ave., from Vuono Constr. Co., 305 Main St., $226,136.

Conn., Westport—SCHOOL—Bd. Educ., Bedford School, 2 story and basement, brick and steel, from Hewlett Co., 886 Main St., Bridgeport, $259,314. Noted July 16

N. Y., New York — SCHOOL — W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, July 22, addition to P. S. 121, Spring St. from Mott to Elizabeth Sts., here, for Bd. Educ., 500 Park Ave., from Concord Constr. Co., 476 Seneca Ave., Brooklyn, $522,522; heating from D. J. Rice, 405 Lexington Ave., $66,941. Noted July 9.

D. C., Wash.—HIGH SCHOOL, etc.—Dist. Comrs. auditorium to MacFarland Junior High School, from Schneider-Spliect, 1416 F St. N. W., $105,700, additional wing, from Skinker & Garrett, 1416 F St. N. W., $172,000.

Calif., Los Angeles — HIGH SCHOOL—Bd. Educ., July 15, 3 story, rein.-con. and brick annex to Lincoln High School, from Hill Constr. Co., 1749 West 23rd St., $104,000.

CONTRACTS AWARDED

Mass., Braintree (Boston P. O.) — SCHOOL — Town, H. B. Higgins, chn. School Bd., 2 story and basement, brick and steel, to Simpson Bros. Corp., 77 Summer St. Archts. est. $150,000. Noted July 16.

Mass., Lawrence—CHURCH—Parker St. Methodist Church, 1 story and basement, brick and stone, to J. Matthews, Methuen. Archts. est. $150,000. Noted May 14.

Mass., Raynham — SCHOOL — L. B. O'Brien, 4 Center St., 2 story and basement, brick and stone, to W. H. Barker, Cohannet St., Taunton, for School Bd. Archts. est. $150,000. Noted June 11.

Mass., Somerset—SCHOOL—Town, Town Clerk's Office, 1 story, 100 x 146 ft., brick and tile, plain foundation, to Greany & Sherry, 825 Davol St., Fall River. Archts. est. $150,000. Noted July 9.

Mass., South Boston (Boston P. O.) — HIGH SCHOOL—City, Schoolhouse Dept., Boston, T. P. Glynn, chn., 2 story and basement, brick and limestone, G St. and Thomas Park, here, to J. Rugo, 80 Boylston St., $213,440. Noted July 23.

Mass., Wellesley — CHURCH—Wellesley Hills Unitarian Church, 1 story and basement Church, to Mitchell & Sutherland, 18 Tremont St., Boston. Archts. est. $150,000.

Pa., Greensburg—CHURCH—Church of Most Holy Sacrament, general contract 1 story, basement and sub-basement, 119 x 194 ft. church, to L. Herman, Edgerton, O. Archts. est. $175,000. Noted Nov. 26.

Wis., Burlington—HIGH SCHOOL—St. Marys Congregation, J. Van Treeck, pastor, general contract 2 story and basement, 62 x 100 ft., brick and tile, plain foundation, to H. Schmitt & Son, 430 Farwell Ave., Milwaukee; basement, to Whitewater Bridge Co., Whitewater. This corrects report in April 30 issue.

Minn., St. Cloud — REFORMATORY SCHOOL—State Bd. Administration, H. W. Austin, chn., Capitol, St. Paul, will build 4 story and basement, granite, here, by day labor. $400,000. Engineer and architect not announced.

Kan., Wichita — CHURCH — St. James Episcopal Congregation, 2 story and basement, 48 x 108 ft. church, to Siedle, Wilson, Neeley Constr. Co., 121 North Market St., $99,500. Noted June 25.

Neb., Omaha — SCHOOL — Bd. Educ., general contract Saratoga School, 2 story and basement, 25th St., to John Lofs Sons, Omaha, Builders Exch. $153,823.

Mo., St. Louis — HIGH SCHOOL — Bd. Educ., 911 Locust St., general contract Intermediate High School for negroes, 3 story and basement, 269 x 368 ft., rein.-con., brick and stone, Market, Laclede, Cardinal and Garrison Sts., to Humes-Deal Constr. Co., Syndicate Trust Bldg., $820,181; plumbing, to W. Hunt & Sons, 127 South Grand St., $74,125; heating, etc., to Berg Heating & Ventilating Co., 1308 Anna St., $119,666; boilers, to Heine Boiler Co., 5319 Marcus St., $34,048; electrical work, to E. O. Dorsch Electric Co., 1405 Olive St., $56,460.

Mo., St. Louis—SCHOOL—H. P. Hess, archt., 1237 North Taylor Ave., general contract 3 story and basement, rein.-con., brick and stone, 29th and Lafayette Sts., to Gillespie & Daly, International Life Bldg., for Immaculate Conception Parish. Noted June 11.

Okla., Edmond — AUDITORIUM and CLASSROOM — State Bd. Pub. Affairs, Oklahoma City, general contract 2½ story and basement, 82 x 132 ft., rein.-con., brick and stone auditorium and classroom building, here, for Central State Teachers College, to Holmcoe Co., 422 West 2nd St., Oklahoma City, $129,400.

Calif., Hayward—HIGH SCHOOL—Hayward Union High School Dist., 2 story, rein.-con., to J. E. Branagh, 184 Perry St., Oakland, $199,450. Noted July 16.

Calif., Los Angeles — CHURCH — St. James Episcopal Church, St. James St. and Wilshire Blvd., rein.-con. church, to A. Johnson Co., 1007 South Grand Ave., $150,000 or more. Noted July 2.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Quarters—Spec. 4937—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids July 15, double quarters at Naval Hospital, here. Noted July 23.

Federal Government Work (Continued)

D. C., Wash.—Coal Receiving Hopper—Bureau Yards & Docks, Navy Dept., plans coal receiving hopper, crusher, etc., at Naval Hospital.

D. C., Wash.—Nurses Quarters—Spec. 5087—Bureau Yards & Docks, Navy Dept., rejected bids July 15, extending nurses quarters.

Mo., St. Louis—Towboat—U. S. Inland Waterways Corp., 1016 Munitions Bldg., Wash., D. C., plans 2,000 hp. steel towboat, and 10 steel barges 2,000 tons each, here.

H. T., Pearl Harbor—Accessories House—Spec. 5097—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids July 1, accessories house, here. Noted July 16.

BIDS DESIRED

Del., Bethany Beach—Well—Spec. 5131—Aug. 19, by Bureau Yards & Docks, Navy Dept., Wash., D. C., artesian well at Radio Compass Sta., here.

Va., Norfolk—Mains—Spec. 5126—Aug. 19, by Bureau Yards & Docks, Navy Dept., Wash., D. C., salt water fire mains at Navy Yard, here.

D. C., Wash.—Alterations—Aug. 5, by Bureau Yards & Docks, Navy Dept., alterations to buildings at Naval Hospital.

Ala., Birmingham—Post Office—Aug. 19, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending mailing platform at post office, here.

La., New Orleans—Marine Boilers—Aug. 5, by U. S. Engineer Office, 329 Custom House Bldg., 3 marine boilers for U. S. Dredge Delaware.

Tenn., Memphis—Hospital—Aug. 17, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending quarters at hospital here.

O., Steubenville—Post Office—Aug. 11, by Treas. Dept. at office Supervising Archt., Wash., D. C., lighting system, in post office, here.

O., Warren — Post Office — Aug. 21, by Treas. Dept. at office Supervising Archt., Wash., D. C., altering and enlarging post office, here.

Mich., Detroit—Oil Outfits—Aug. 14, by Supt. Lighthouses, 900 Lawyers Bldg., 2 oil engine-driven, air compressing outfits; adv. E. N.-R. July 30.

Ill., Maywood—Repair Shop, etc.—Aug. 15, by U. S. Veterans Hospital Bureau, 791 Arlington Bldg., Wash., D. C., animal house and repair shop at Edward Hines Jr. Hospital, here.

Mo., Kirksville—Boiler—Aug. 4, by Treas. Dept. at office Supervising Archt., Wash., D. C., horizontal smokeless fire box heating boiler, in post office, here.

Calif., Mare Island — Radio Towers — Spec. 5132 — Sept. 2, by Bureau Yards & Docks, Navy Dept., Wash., D. C., painting radio towers, here.

Calif., San Diego — Freight Elevator — Spec. 5129—Aug. 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., electric freight elevator, here.

BIDS RECEIVED

Mass., Boston—Dredging—Spec. 5127—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Dry Dock, here, from J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., **(1a)** $0.40 **(1b)** $0.28, **(2a)** $35 **(2b)** $30 **(2c)** $25.

Ill., Chicago — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., renewing downspouting in post office, here, from Nilson Bros., 3222 North Halsted St., $45,546.

Tex., Galveston—Heating System—Treas. Dept. at office Supervising Archt., Wash., D. C., heating system in post office here, from Farwell Co., 1903 North Haskill St., Dallas, Tex. $4,956.

Nev., Fallon—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., construction post office, here, from C. Weitz, 713 Mulberry St., Des Moines, Ia., $48,734. Noted July 9.

Calif., San Diego—Kitchen Equipment—Spec. 5122—Bureau Yards & Docks, Navy Dept., Wash., D. C., kitchen equipment for hospital, here, from S. B. Sexton Stove & Mfg. Co., 500 Block West Conway St., Baltimore, Md., $9,584.

CONTRACTS AWARDED

Conn., Bridgeport—Dredging—U. S. Engineer Office, Providence, R. I., dredging in Bridgeport Harbor, here, to Arundel Corp., Pratt St., Baltimore, Md., $23,750. Noted June 4.

D. C., Wash. — Nurses Home — Interior Dept., addition to nurses home, 6th and Bryant Sts., to W. L. Morrison Constr. Co., 613 15th St., $46,240.

N. Y., Walden—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick post office, here, to King Lumber Co. Charlottesville, Va., $45,400 (10 months). Noted July 16.

W. Va., Hinton — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story brick post office, here, to A. M. Lundberg, Times Bldg., St. Louis, Mo., $41,500 (10 months).

N. C., Oteen—Hospital—U. S. Veterans Bureau, Wash., D. C., kitchen at Hospital 60, here, to A. Blair, 11 St. Lawrence St., Montgomery, Ala., $65,623.

Ala., Florence—Gate Swinging Machinery—U. S. Engineer Office, War Dept., Wash., D. C., gate swinging machinery for Lock Gates, Wilson Dam, here, to Hardie Tynes Mfg. Co., 800 North 28th St., Birmingham, $21,708.

Ark., Camden—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, to W. McDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $17,736.

Ark., Hot Springs—Additions, etc.—Constructing Quartermaster Army and Navy General Hospital, general contracts addition to mess hall and kitchen, also storeroom, etc., to Herman & McCain Constr. Co., Little Rock, $23,157 and $17,405 respectively; sleeping porch on nurses quarters, Building 29, to T. A. Rosamond, Hot Springs, $3,305.

Tex., Galveston—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging Houston Ship Channel, here, to Atlantic Gulf & Pacific Co., 15 Park Row Bldg., New York City, $53,460.

Unclassified

PROPOSED WORK

Transmission Line—Kansas—Great Bend Water & Electric Co., c/o J. S. Painter, supt., making surveys 12 mi. 33,000 volt transmission line from Great Bend to Hoisington, also 600 kva. sub-stations at Great Bend and Hoisington. $42,000. Private plans.

Stadium — Lawrence, Kan. — Haskell Indian Institute made plans rein.-con. stadium, 10,000 seating capacity. $190,000. L. E. Conrad, Lawrence, engr.

Swimming Pool—Kansas City, Mo.—See "Buildings—Commercial."

Transmission Line—Clifton, Ariz.—See "Buildings—Industrial."

Wharf—Port Angeles, Wash. — Voted $440,000 bonds building wharf in Port Angeles Harbor.

Wharf—Mountain View, Calif.—South Shore Port Co. making plans 210 ft. timber wharf, incl. 500 lin.ft. bulkhead. $75,000.

Power Development—Portneuf, Que.—Portneuf Power Co. having plans prepared developing 1,000,000 hp. here. W. F. Mackalairer, 849 Lorne Crescent, Montreal, dir.

Wharves, etc. — Quebec, Que. — Quebec Harbor Comrs. soon let contract constructing wharves, dredging and excav., etc., at Wolfes Cove.

Steam Distribution System — Winnipeg, Man.—Pub. Utilities Comn. plans extending distribution system of steam heating plant. $100,000.

BIDS DESIRED

Swimming Pool—Hartford, Conn.—See "Buildings—Educational, Religious."

Station Platform—Brooklyn, N. Y.—July 31, by Bd. Transportation, 49 Lafayette St., New York City, constructing station platform with movable edges, and reconstructing signal tower, Lawrence St. Sta., Route 33, Sect. 3, here, Agreement "DV."

Station Finish — Brooklyn, N. Y. — July 31, by Bd. Transportation, 49 Lafayette St., New York City, restoration of portions of station finish work in stations of Route 39, Sect. 2, Bway. 4th Ave. railroad, here, agreement "DX."

Beach—Coney Island (Brooklyn P. O.), **N. Y.**—Aug. 5, by J. A. Guider pres., Brooklyn Boro, Boro Hall, improvements and protection work for beach, here.

Jetty—Avon, N. J.—Aug. 11, by State Bd. Commerce & Navigation, Court House, Trenton, improving jetty in Shark River Inlet, here. V. Gelineau, dir.; adv. E. N.-R. July 30.

Jetty, etc.—Barnegat City, N. J.—Aug. 17, by State Bd. Commerce & Navigation, Trenton, timber jetties and stone breakwater jetty with timber core in Barnegat Inlet, Ocean Co. V. Gelineau, dir.; adv. E. N.-R. July 30.

Lighting System—Ellwood City, Pa.—Aug. 6, at office E. B. Moyer, boro secy., 228 6th St., White Way lighting system on Lawrence Ave. and 5th St.; adv. E. N.-R. July 30.

Fill — Sanford, Fla. — Aug. 10, by Bd. Comrs. Seminole Co., V. E. Douglas, clk., 260,000 cu.yd. earth fill along south shore Lake Monroe, 18,700 cu.yd. on approach to draw bridge on St. Johns River, 81,300 cu.yd. on Geneva Rd. across St. John River flats, and constructing 400 ft. creosoted trestle bridges. $100,000. F. T. Williams, Sanford, engr.

Pier—St. Petersburg, Fla.—Aug. 24, by S. S. Martin, dir. Finance, rein.-con. pier; adv. E. N.-R. July 30.

Swimming Pool and Bath House—Chicago, Ill.—See "Buildings—Commercial."

Foundation, etc.—Madison, Wis.—Oct. 1, by Memorial Union, (owner), J. Dallard, secy., and A. Peabody, archt., State Capitol Bldg., excavation and rein.-con., foundation for rein.-con. memorial building. $300,000.

BIDS RECEIVED

Platforms, Piers, etc. — Boston, Mass. — Dept. Pub. Wks., platforms, piers and fender guards at Warren St. Bridge, from Fendle Corp., 271 Marginal St., Chelsea, $14,397.

Gallow Frames—Brooklyn, N. Y.—W. W. Mills, comr. Plants & Structures, Municipal Bldg., New York City, July 22, gallow frames and operating equipment, etc., for Rockaway Inlet ferry, here, from J. E. Ogden & Co., 147 Cedar St., New York City, $106,591. Noted July 16.

Mechanical Equipment—Brooklyn, N. Y.—Dept. Plants & Structures, Municipal Bldg., New York City, mechanical equipment for housing station, 12th Ave. and 56th St., here, from J. H. Goldblatt, 345 Madison Ave., New York City, $37,800.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., July 24, tracks for Westchester Ave. Yard, from Slattery Eng. & Contg. Co., 10th Ave. and 43rd St., $113,881; alterations to railroad structure, Route 5, Sect. 8, Agreement "DY," from Pattelli & Wilson, $14,400.

Levee Work — New Orleans, La. — Bd. State Engrs., New Court House Bldg., 36,600 cu.yd. Albert Spuss Levee, Jefferson Parish and 180,000 cu.yd. Destrahan and Pecan Grove Levee, St. Charles Parish, from Lower Coast Constr. Co., Godchaux Bldg., $6,840 and $19,620 respectively.

Wharf and Pier Sheds—Beaumont, Tex.—City, c/o O. J. Bloyd, mgr., sheds for wharf and pier, from Houston Structural Steel Co., Yale and Center Sts., Houston, $26,000. Noted Mar. 26.

Lighting System—Los Angeles, Calif.—Los Angeles Co., pressed steel ornamental standards on Whittier Blvd. between Pasadena and Vancouver Aves., from A. C. Rice, 1957 Santee St., $27,937.

CONTRACTS AWARDED

Coal Trestle — Concord, N. H. — New Hampshire State Hospital, coal trestle, concrete and steel, to W. H. Barker & Co., 4 Cohannet St., Taunton. Engrs. est. about $25,000.

Borings—New York, N. Y.—Bd. Transportation, 49 Lafayette St., borings along St. Nicholas and Ft. Washington Aves., Bway. and site of 207th St. yard, Agreement "DZ," to Sprague & Henwood Co., Inc., $12,059; furnishing track material Order 7, cur track spikes, screws, etc., to Bethlehem Steel Corp., 25 Bway., $2,824; rolled steel, to Track Specialties Co., Inc., 29 Bway., $6,320; malleable iron guards and tie plates, to Albany Malleable Co., Inc., Voorhesville St., Albany, $1,816; bolts, nuts, etc., to H. L. Usher, 50 Church St., $5,291. Noted July 23.

Pier—Jersey City, N. J.—Erie R.R., 30 Church St., New York City, pier over Holland Tunnel, to extend 1,250 ft. in Hudson River, 150 ft. wide, to Foley Bros., 25 West 43rd St., New York City. Engrs. est. about $3,000,000.

Mess Halls, Bath Houses, etc.—Rockford, Ill.—State Building Comn., c/o A. Small, gov. and C. E. Black, adj. genl., Springfield, 7 new concrete and steel mess halls, 18 new latrines, bath houses, headquarters building, 1 story, 25 x 38 ft. timber, to Tolmie Bros., Rockford, $124,000.

Playground, etc.—St. Louis, Mo.—Bd. Educ., 911 Locust St., grading, surfacing, etc., playground, at Hodgdon, Marquette, Shepard and Wyman Schools, to Fleisher Cement Constr. Co., Railway Exch. Bldg., $30,975.

Wharf and Pier—Beaumont, Tex.—City, c/o O. J. Bloyd, mgr., wharf and pier, to J. Jacokson, Galveston, $99,125. Noted Mar. 26.

Swimming Pool, etc. — Wynne Wood, Okla.—See "Waterworks."

Materials

BIDS DESIRED

Ties and Timber—Flushing, N. Y.—Aug. 7, by Bd. Transportation, 49 Lafayette St., New York City, ties and timber, Order 13, for Flushing extension.

Building Material, etc.—Kaufman, Tex.—G. C. Smith in market for builders hardware, metal, glass, steel, lumber, terra cotta, etc.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: August 18.

60-inch Cast Iron Outfall Sewer Pipe and Special Castings

Lynn, Mass.

Sealed proposals in duplicate addressed to the Commission on Ways and Drainage of the City of Lynn, Mass., for furnishing 60-in. Cast Iron Outfall Sewer Pipe and Special Castings, will be received at the offices of the Purchasing Agent and City Engineer of the City of Lynn, Mass., City Hall, Lynn, Mass., until 4:00 o'clock P. M., Eastern Standard Time, August 18th, 1925, and will be publicly opened and read at the meeting of the City Council of the City of Lynn at 7:00 P. M. of that day.

The work under this contract will consist of furnishing, f.o.b. Lynn, Mass., approximately 15,000 feet of 60-inch cast iron pipe and special castings.

Plans, specifications and form of contract are on file and can be obtained at the office of the City Engineer, City Hall, Lynn, Mass. A set of the plans and specifications may be obtained for use in making up a bid by depositing Ten Dollars ($10.00) and this deposit will be refunded if such specifications are returned in good condition within two weeks after the date set for receiving bids by the City Council.

The right to reject any or all proposals; to accept any bid or any item or items deemed advisable for the interests of the City of Lynn, or to subdivide the total contract, is reserved by the Commission on Ways and Drainage and the City Council of the City of Lynn.

Each proposal shall be accompanied by a certified check for Ten Thousand Dollars ($10,000.00) drawn to the order of the City Treasurer of Lynn, Mass. The bidder or bidders to whom the contract is awarded will be required to furnish, for the faithful performance of the work under this contract an approved Surety Company Bond in the amount of Two Hundred Thousand Dollars ($200,000.00) or proportionate amount in the event that the contract for the total length of pipe is not awarded to a single bidder.

City of Lynn, Massachusetts, by its Commission on Ways and Drainage.
HARLAND A. McPHETRES
OTIS R. DUSHUTTLE
REEVES J. NEWSOM
JOHN R. GRAHAM
WILLIAM L. VENNARD
Morris Knowles, Inc.,
Engineers

Bids: August 12.

State Road Work

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia, at its office in Charleston, West Virginia, until ten o'clock a.m., on the 12th day of August, 1925, and said proposals will be opened and read immediately thereafter at the Kanawha County Court House, Charleston, W. Va., for the construction of the following sections of State Road:

Project 3047-B—Nicholas County—0.42 mile Carden relocation at Zela, W. Va., for grading and draining. Certified check $800.00.

Project 149-A—Pocahontas County—6.0 miles Top of Elk Mountain toward Randolph County for grading and draining. Certified check $5,400.00.

Project 3052 or 142-A — Raleigh County — 6.21 miles of the Shady Springs-Summers Co. Line Road for paving with Bituminous Macadam. Certified check $6,500.00.

Projects 3054 or 142-B and 1067—Summers County—5 miles of the Hinton-Jumping Branch-Raleigh County Line Road for paving with Bituminous Macadam. Certified check $5,200.00.

Project 3155 — Cabell County — 8.3 miles of the Melissa-Salt Rock Road for paving with cement concrete. Certified check $10,000.00.

Project 3282-C—Lincoln County—0.3 mile of the Toney-Big Creek Road for grading and draining. Certified check $500.00.

Project 139-B—Mason County—2.7 miles of the Letart-Jackson County Line Road for grading and draining. Certified check $2,000.00.

Project 3303-A—Mingo County—1.5 miles of the Williamson-Chattaroy Road for grading and draining. Certified check $2,200.00.

Project 2048-B—McDowell County—1 mile relocation Landgraf for grading and paving with cement concrete. Certified check $2,900.00.

Project 3248-A—Wyoming County—3.7 miles of the Elmore-Pineville Road for paving with Bituminous Macadam. Certified check $5,000.00.

Project 3163—Tyler County—5 miles of the Middlebourne-West Union Road between LeMaster Bridge and Centerville Bridge for paving with Bituminous Macadam. Certified check $4,000.00.

Project 3017-B—Braxton County—2 miles of the Bulltown-Lewis County Line Road for grading and draining. Certified check $2,600.00.

Projects 82 and 3100—Gilmer County—10 miles of the Glenville-Lewis County Line Road for paving with Bituminous Macadam. Certified check $11,000.00.

Project 3238-C—Upshur County—2.1 miles of the Buckhannon-Clarksburg Road from Pecks Run to Barbour County Line for paving with cement concrete. Certified check $5,500.00.

Project 3279-B—Webster County—8 miles of the Hackers Valley-Cleveland Road for grading and draining. Certified check $8,000.00.

Project 2171—Berkeley County — 6 miles of the Williamsport Pipe for cement concrete shoulders. Certified check $3,600.00.

Project 3030-C—Morgan County—4 miles of the Berkeley Springs-Martinsburg Road for paving with Oil Finished Macadam. Certified check $5,000.00.

Project 135-B—Hampshire County—5.2 miles of the Northwestern Turnpike from Capon Bridge to Virginia State Line for paving with Oil Finished Macadam. Certified check $7,000.00.

Project 3309 — Mineral County — 1 mile of the Main Street of Ridgeley for paving with concrete. Certified check $1,500.00.

Proposals will be received only upon State Standard forms in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the office of the Division Engineer in whose territory the proposed construction is located, or from the office of the State Road Commission at Charleston, W. Va.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any or all proposals.

STATE ROAD COMMISSION OF
WEST VIRGINIA
E. B. CARSKADON, Secretary.

OFFICIAL PROPOSALS

Bids: August 10.

Electric Elevator, Storehouse and Cold Storage Building

Raybrook, N. Y.

Sealed proposals for Electric Elevator, Storehouse and Cold Storage Building, New York State Hospital for the Treatment of Incipient Pulmonary Tuberculosis, Raybrook, N. Y., will be received by the Hon. F. R. Utter, Superintendent of Purchase, Capital, Albany, N. Y., until 2 o'clock, p.m. (Eastern Standard Time), Monday, August 10th, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% per cent of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4583. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the New York State Hospital for the Treatment of Pulmonary Tuberculosis, Raybrook, N. Y., at the New York office of the Department of Architecture, 18th floor, Fuller Building, Broadway & 23rd St.; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y.

Dated: July 21st, 1925.

Bids: August 11.

Street Paving

Saranac Lake, N. Y.

Sealed proposals will be received by the Village of Saranac Lake, N. Y., at the office of the Village Clerk, until 8 P. M., Daylight Saving Time, August 11, 1925, for paving Dorsey Street, Shepard Avenue, and Winona Avenue.

The work for which proposals are invited consists of the following approximate quantities:

4600 cu.yds. Excavation.
5490 lin.ft. Concrete Curb.
440 lin.ft. 8-in. Storm Sewer.
1190 lin.ft. 10-in. Storm Sewer.
960 lin.ft. 15-in. Storm Sewer.
20 Catch Basins.
8 Manholes.
1270 sq.yds. Reinforced Concrete Paving, 25-ft. wide.
7730 sq.yds. Reinforced Concrete Paving, 30-ft. wide.
270 cu.yds. Stone Retaining Wall.
560 sq.ft. Cement Sidewalk.

Each proposal must be accompanied by a certified check for five (5%) per cent of the amount of the proposal.

A Surety Bond in the sum of fifty (50%) per cent of the amount of the Contract will be required of the successful bidder.

Specifications and blank forms of proposal can be obtained upon application to the Village Clerk. Plans may be seen at the office of the Village Engineer.

The right is reserved to reject any or all bids, or to omit any portion of the work.

SEAVER A. MILLER,
Village Clerk.
HARRY HULL,
Village Engineer.

CONSTRUCTION NEWS

Engineering News-Record, Aug. 6, 1925

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close — See Eng. News-Record

WATERWORKS

Aug. 7 New York, N. Y. .....Aug. 6
Aug. 10 East Bridgewater, Mass. .Aug. 6
Aug. 11 Brooklyn, N. Y. .....Aug. 6
Aug. 11 Wrentham, Mass. .....Aug. 6
Aug. 12 Bartow, Fla. .....July 30
Aug. 12 Cleveland, O. .....Aug. 6
Aug. 14 Fairmont, Minn. .....Aug. 6
Aug. 15 Staunton, W. Va. .....July 30
Adv. July 30 and Aug. 6.
Aug. 18 Idabell, Okla. .....Aug. 6
Aug. 20 Salisbury, Md. .....July 30
Adv. July 30 and Aug. 6.
Aug. 20 Jayton, Tex. .....Aug. 6
Aug. 24 Greenville, Tex. .....Aug. 6
Aug. 25 St. Louis, Mo. .....Aug. 6
Aug. 26 Raleigh, N. C. .....Aug. 6
Adv. Aug. 6.
Sept. 4 Oakland, Calif. .....July 9
Sept. 8 Toronto, Ont. .....Aug. 6
Sept. 15 Needles, Calif. .....July 23

SEWERS

Aug. 7 Boston, Mass. .....Aug. 6
Aug. 7 Phila., Pa. .....Aug. 6
Aug. 8 Lincoln, Neb. .....Aug. 6
Aug. 10 Phila., Pa. .....Aug. 6
Aug. 10 Boston, Mass. .....Aug. 6
Aug. 11 Meadville, Pa. .....July 23
Aug. 11 Waseca, Minn. .....Aug. 6
Aug. 12 Baltimore, Md. .....Aug. 6
Aug. 12 Boston, Mass. .....Aug. 6
Aug. 12 Cleveland, O. .....Aug. 6
Aug. 14 Boston, Mass. .....Aug. 6
Aug. 14 Raybrook, N. Y. .....Aug. 6
Adv. Aug. 6.
Aug. 14 Rhinelander, Wis. .....Aug. 6
Aug. 17 Jackson, Mich. .....Aug. 6
Adv. Aug. 6.
Aug. 18 Lynn, Mass. .....July 9
Aug. 18 Cudahy, Wis. .....July 30
Aug. 18 Rushville, Ind. .....Aug. 6
Aug. 20 Kingsford (mail Iron Mountain), Mich. .....Aug. 6
Adv. Aug. 6.
Aug. 20 Elkins Park, Pa. .....Aug. 6
Adv. Aug. 6.
Aug. 27 Winchester, Tenn. .....Aug. 6
Adv. Aug. 6.
Aug. 28 Louisville, Ky. .....Aug. 6
Adv. Aug. 6.
Aug. 29 San Angelo, Tex. .....July 30

WASTE DISPOSAL

Aug. 18 Clarksdale, Miss. .....July 23

BRIDGES

Aug. 10 Walters, Okla. .....Aug. 6
Aug. 10 Ann Arbor, Mich. .....Aug. 6
Aug. 11 St. Louis, Mo. .....July 23
Aug. 11 Louisiana .....July 23
Aug. 11 Massachusetts .....Aug. 6
Aug. 12 Colorado .....Aug. 6
Aug. 12 Aberdeen, Wash. .....July 30
Aug. 12 Michigan .....July 30
Aug. 15 Miles City, Mont. .....July 30
Aug. 17 New Jersey .....July 30
Adv. July 30 and Aug. 6.
Aug. 17 California .....July 30
Aug. 17 Oakland, Calif. .....July 30
Aug. 18 Clearfield, Pa. .....July 23
Aug. 18 Puyallup, Wash. .....July 30
Aug. 18 West Virginia .....Aug. 6
Aug. 18 West Virginia .....Aug. 6
Adv. Aug. 6.
Aug. 18 Washington .....Aug. 6
Aug. 19 Alabama .....July 23
Aug. 25 Minnesota .....Aug. 6
Aug. 29 San Angelo, Tex. .....Aug. 6
Sept. 1 Tacoma, Wash. .....Aug. 6
Adv. Aug. 6.
Sept. 1 South Carolina .....Aug. 6
Adv. Aug. 6.

RAILWAYS

Aug. 27 Massachusetts .....Aug. 6

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Aug. 10 Brooklyn, N. Y. .....Aug. 6
Aug. 25 Geneseo, Ill. .....Aug. 6
Adv. Aug. 6.
Sept. 12 Texas .....July 23

Bids Close — See Eng. News-Record

STREETS AND ROADS

Aug. 7 Ebensburg, Pa. .....July 23
Aug. 7 Boston, Tex. .....July 23
Aug. 7 New York, N. Y. .....July 30
Adv. July 23 to Aug. 6.
Aug. 7 New Hampshire .....Aug. 6
Aug. 7 Plymouth, N. H. .....Aug. 6
Aug. 8 Rosemont, N. J. .....July 30
Aug. 8 Cleveland, O. .....Aug. 6
Aug. 9 Chickasha, Okla. .....July 9
Aug. 10 California .....July 23
Aug. 10 Michigan .....July 23
Aug. 10 Akron, O. .....July 30
Aug. 10 San Diego, Calif. .....July 30
Aug. 10 Idaho .....July 30
Aug. 10 Michigan .....July 30
Aug. 10 Crown Point, Ind. .....Aug. 6
Aug. 10 Long Island City, N. Y. ....Aug. 6
Aug. 10 Minnesota .....Aug. 6
Aug. 10 Oklahoma .....Aug. 6
Aug. 10 De Ridder, La. .....Aug. 6
Aug. 10 Birch Cliff, Ont. .....Aug. 6
Aug. 10 Oklahoma .....Aug. 6
Aug. 10 Denver, Colo. .....Aug. 6
Aug. 10 Kewanee, Ill. .....Aug. 6
Aug. 11 Chicago, Ill. .....Aug. 6
Aug. 11 Massachusetts .....Aug. 6
Aug. 11 Saranac Lake, N. Y. .....July 30
Adv. July 30 and Aug. 6.
Aug. 11 Merced, Calif. .....July 30
Aug. 11 Clayton, Mo. .....July 9
Aug. 11 Brooklyn, N. Y. .....July 16
Adv. July 16 to Aug. 6.
Aug. 11 St. Louis, Mo. .....July 23
Aug. 11 Michigan .....July 23
Aug. 11 Arcadia, Fla. .....July 23
Aug. 11 Maryland .....July 30
Adv. July 30 and Aug. 6.
Aug. 11 Springwells, Mich. .....July 30
Aug. 11 Quebec .....Aug. 6
Aug. 11 Pennsylvania .....Aug. 6
Aug. 11 Oklahoma City, Okla. .....Aug. 6
Aug. 12 West Virginia .....July 23
Adv. July 30.
Aug. 12 Michigan .....July 23
Aug. 12 Rhode Island .....July 30
Adv. July 30 and Aug. 6.
Aug. 12 Baltimore, Md. .....Aug. 6
Aug. 12 Colorado .....Aug. 6
Aug. 12 Cleveland, O. .....Aug. 6
Aug. 12 Denver, Colo. .....Aug. 6
Aug. 12 Wisconsin .....Aug. 6
Aug. 12 St. George, N. Y. .....Aug. 6
Aug. 12 Brooklyn, N. Y. .....Aug. 6
Aug. 13 North Dakota .....Aug. 6
Aug. 13 Denver, Colo. .....Aug. 6
Aug. 13 Fresno, Calif. .....July 30
Aug. 13 New Albany, Ind. .....Aug. 6
Aug. 14 Michigan .....Aug. 6
Aug. 14 Manitowoc, Wis. .....Aug. 6
Aug. 14 North Dakota .....Aug. 6
Aug. 14 Papillion, Neb. .....Aug. 6
Aug. 15 Maywood, Ill. .....Aug. 6
Aug. 17 Uniontown, Pa. .....Aug. 6
Aug. 17 Ebensburg, Pa. .....Aug. 6
Aug. 18 Seattle, Wash. .....Aug. 6
Aug. 18 Maryland .....Aug. 6
Aug. 18 Washington .....July 30
Aug. 18 Owatonna, Minn. .....July 30
Aug. 18 Gainesville, Fla. .....July 30
Aug. 18 Tampa, Fla. .....Aug. 6
Aug. 18 Washington .....Aug. 6
Aug. 19 Alabama .....July 23
Aug. 19 Delaware .....Aug. 6
Adv. Aug. 6.
Aug. 19 Michigan .....Aug. 6
Aug. 24 Kentucky .....July 23
Aug. 24 West Virginia .....Aug. 6
Aug. 25 Bartow, Fla. .....Aug. 6
Aug. 25 Louisiana .....Aug. 6
Aug. 25 Minnesota .....Aug. 6
Aug. 26 Louisiana .....Aug. 6
Aug. 28 Tennessee .....Aug. 6
Adv. Aug. 6.
Sept. 22 New Orleans, La. .....July 2
Sept. 24 New Orleans, La. .....July 2

BUILDINGS—INDUSTRIAL

Aug. 10 Raybrook, N. Y. .....Aug. 6
Adv. July 30 and Aug. 6.
Oct. 13 Durban, South Africa ....July 30
Adv. July 30.

BUILDINGS—COMMERCIAL

Aug. 8 Cleveland, O. .....Aug. 6
Aug. 10 Phila., Pa. .....Aug. 6
Aug. 17 Boston, Mass. .....Aug. 6

Bids Close — See Eng. News-Record

Aug. 20 Toronto, Ont. .....Aug. 6
Aug. 21 Madison, Wis. .....Aug. 6
Aug. 26 Marcy, N. Y. .....Aug. 6
Adv. Aug. 6.

BUILDINGS—EDUCATIONAL, RELIGIOUS

Aug. 7 Windsor, Conn. .....Aug. 6
Aug. 7 Phila., Pa. .....Aug. 6
Aug. 9 Phila., Pa. .....Aug. 6
Aug. 10 Faribault, Minn. .....July 30
Aug. 10 Onsted, Mich. .....July 30
Aug. 10 Pittsburgh, Pa. .....July 30
Aug. 10 Lehighton, Pa. .....July 30
Aug. 10 Saginaw, Mich. .....July 30
Aug. 10 Raybrook, N. Y. .....July 23
Adv. July 23 and 30.
Aug. 10 Poplar Bluff, Mo. .....Aug. 6
Aug. 11 New Orleans, La. .....July 30
Aug. 11 Marshalltown, Ia. .....Aug. 6
Aug. 12 Little Rock, Ark. .....July 23
Aug. 12 New Philadelphia, O. .....July 30
Aug. 14 Great Neck, N. Y. .....July 30
Aug. 14 Toronto, Ont. .....Aug. 6
Aug. 26 Lawndale, Pa. .....Aug. 6
Aug. 29 Hot Springs, Ark. .....Aug. 6
Aug. 31 Columbus, O. .....Aug. 6

FEDERAL GOVERNMENT WORK

Aug. 7 Remodeling—Phila., Pa. ...July 23
Aug. 10 Addition — Indianapolis, Ind. .....July 23
Aug. 10 Steel Sheet Piling—Louisville, Ky. .....Aug. 6
Adv. Aug. 6.
Aug. 11 Post Office—Steubenville, O. .....July 30
Aug. 12 Nurses Quarters—New Orleans, La. .....July 23
Aug. 12 Boilers—Great Lakes, Ill...Aug. 6
Aug. 14 Lock Gates—Pittsburgh, Pa. .....July 23
Adv. July 23 to Aug. 6.
Aug. 14 Post Office — Danbury, Conn. .....July 23
Aug. 14 Oil Outfits—Detroit, Mich. .July 30
Aug. 15 Repair Shop—Maywood, Ill. .....July 30
Aug. 17 Barges—Norfolk, Va. ....July 23
Aug. 17 Post Office—St. Augustine, Fla. .....July 23
Aug. 17 Hospital—Memphis, Tenn...July 30
Aug. 17 Streets and Roads — Colorado .....Aug. 6
Aug. 18 Post Office—Pottsville, Pa..July 23
Aug. 19 Post Office—Birmingham, Ala. .....July 30
Aug. 19 Mains—Norfolk, Va. ....July 30
Aug. 19 Artesian Well—Bethany Beach, Del. .....July 30
Aug. 20 Power Plant—Yuma, Ariz. .July 16
Aug. 20 Pontoon Catamarans—Jacksonville, Fla. .....Aug. 6
Adv. Aug. 6.
Aug. 21 Post Office—Warren, O. ...July 30
Aug. 25 Stable—Jefferson Barracks, Mo. .....Aug. 6
Aug. 29 Freight Elevator—San Diego, Calif. .....July 30
Aug. 29 Dam—Pittsburg, Pa. .....Aug. 6
Adv. Aug. 6.
Sept. 2 Radio Tower—Mare Island, Calif. .....July 30
Sept. 4 Dredging—Newark, N. J. ..Aug. 6
Adv. Aug. 6.

UNCLASSIFIED

Aug. 10 Earth Fills—Sandford, Fla. .....July 30
Aug. 10 Electric Capstans, etc.—Napier, New Zealand .....June 25
Aug. 11 Jetty—Avon, N. J. .....July 30
Aug. 17 Jetty, etc.—Barnegat City, N. J. .....July 30
Aug. 18 Subway—Phila., Pa. .....July 16
Aug. 18 Subway—New York, N. Y.Aug. 6
Aug. 24 Pier—St. Petersburg, Fla..July 30
Aug. 27 Subway—Boston, Mass. ...Aug. 6
Adv. Aug. 6.
Sept. 8 Ventilation Fans—New York, N. Y. .....Aug. 6
Adv. Aug. 6.
Sept. 21 Transformers—Melbourne, Australia .....Aug. 6
Sept. 29 Towers—Wellington, New Zealand .....Aug. 6
Oct. 1 Foundation—Madison, Wis.July 30

Bids Close		See Eng. News-Record

MATERIALS

Aug. 7	Ties and Timber—Flushing, N. Y.	July 30
Aug. 8	Cement—Cleveland, O.	Aug. 6
Aug. 10	Asphalt, etc.—Gulfport, Miss.	Aug. 6
Aug. 11	Asphalt, etc.—Bushnell, Fla.	July 23
Aug. 19	Wire — Melbourne, Australia	July 23
Aug. 26	Rails—Melbourne, Australia	July 16
Sept. 16	Power Hammers—Melbourne, Australia	Aug. 6
Oct. 13	Insulation Strings—Wellington, New Zealand	Aug. 6

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Massachusetts—City of Newton plans constructing 20 in. mains from Chestnut Hill Reservoir to Walnut St. Newtonville. $41,000 appropriated.

Mass., Boston—Plans extending existing culvert and fill solid in Dorchester Bay. $25,000. T. F. Sullivan, chn. Transit Dept. 1 Beacon St.

Conn., Wallingford—Boro making plans filtration plant. $60,000 appropriated. W. A. MacKenzie, city engr.

N. Y., Saugerties—Plans 5 mi. 16 in. pipe line. J. F. Loughran, Kingston, engr.

N. C., Weldon—Bd. Town Comrs. authorized $20,000 bonds for waterworks improvements.

Ga., Macon — Bd. Water Comrs. soon takes bids 500 hp. boiler for waterworks plant.

La., Baton Rouge—See "Sewers."

Tenn., North Chattanooga—See "Sewers."

Tenn., Portland — Election soon $45,000 bonds for waterworks plant. Engineer not selected.

O., Columbus—See "Streets and Roads".

O., University Heights (Cleveland Heights P. O.) See "Sewers."

O., Youngstown — Plans development of water supply district, to supply city and Niles pure water supply for domestic use, with reservoir at Meander Creek. $2,000,000.

Ill., Evergreen Park—Making plans 6- to 12-in. mains $180,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Harvey—Making plans 3 m.g. concrete storage reservoir. $50,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., La Grange—Plans 6- to 12-in. c.i. mains. $200,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Phoenix—Making plans 6- to 12-in. c.i. mains. $180,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., San Jose—Election Aug. 20, $27,000 bonds, waterworks improvements. Kinsey Eng. Co., Arcade Bldg., Pekin, engrs.

Ia., Earlham—Making preliminary plans purification plant, septic tank, sludge beds, etc. $40,000.

Kan., Concordia—Soon takes bids new deep well, pumping plant, etc. $100,000. C. A. Haskins, 824 Finance Bldg., Kansas City, Mo., engr. Noted Apr. 2.

Kan., Kansas City—Making preliminary plans extending water purification plant, etc. $300,000. C. A. Haskins, 824 Finance Bldg., Kansas City, Mo., engr.

Kan., Lyons — Soon takes bids $250,000 gal. steel tank on tower. $20,000. S. Ainsworth, Lyons, engr.

Kan., Sylvan Grove—Making preliminary plans new deep wells, pumping equipment, etc. $12,500-$15,000. C. A. Haskins, 824 Finance Bldg., Kansas City, Mo., engrs.

Kan., Wathena — Election soon $45,000 bonds waterworks and distribution system. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Mo., Buffalo—Defeated $40,000 bonds waterworks and distribution system. Russell & Axon, McDaniel Bldg., Springfield, engrs. Noted July 9.

Tex., Floresville — Election Aug. 18 to vote $40,000 bonds for waterworks improvements, incl. mains, pumping equipment, etc. address the Mayor.

Tex., Ft. Worth—Election in early fall $3,000,000 bonds for waterworks and sewer extensions. D. L. Lewis, city engr.

Tex., Mabank—Election Aug. 15 to vote $60,000 bonds for waterworks. Engineer not selected.

Okla., Barnsdall — Making surveys new waterworks, incl. reservoir, pump equipment, tank, mains, filtration plant, etc. $75,000. Holway Eng. Co., Wright Bldg., Tulsa., engrs.

Okla., Bethany — Plans new waterworks, incl. well, elevated tank, motor driven pumps, mains, valves, hydrants, etc. $40,000. H. E. Mussen, Grain Exch. Bldg., Oklahoma City, engr.

Okla., Duncan—Voted $110,000 bonds 9 new deep wells, deep well pumps, 200 hp. engine generator unit, for waterworks. Z. Z. Rogers, Duncan, engr.

Okla., Fargo—Making preliminary plans new waterworks, incl. well, tank, mains, pump, etc. $15,000. J. J. Smith, city clk. Engineer not selected.

Okla., Hedrick—Election Aug. 18, $15,000 bonds, new waterworks, incl. well, tank and mains in various streets. W. L. Benham, Gumbel Bldg., Kansas City, Mo., engr.

Okla., Walters — Voted $25,000 bonds masonry dam, across Cache Creek, at Sultan Park, northeast of here, for city waterworks. A. T. Thompson, city engr. Noted July 16.

Ariz., Mesa — Voted $80,000 bonds improving waterworks.

Wash., Anacortes—State Supervisor of Hydraulics issued permit to city authorizing appropriation four second feet of water from Lake Campbell, and construction of 57,500,000 gal. reservoir for municipal water supply. $31,000.

Ore., Oswego—Voted $100,000 bonds improving waterworks. H. L. Gilbert, 313 Couch Bldg., Portland, engr.

Calif., Burbank—Making plans 5 m.g. reservoir, 160 ft. long, 20 ft. deep, in Ben Mar Hill tract. A. J. Rose, city engr.

Calif., Shafter—Shafter Public Utility Dist. plans 50,000 gal. tank on 75 ft. tower, 6,000 lin.ft. mains, etc., in various streets.

Calif., South Pasadena (br. Pasadena)—Plans election $300,000 or more bonds, water works improvements.

Calif., Vallejo—City plans to appropriate $88,500, mains in various streets. T. D. Kilkenny, city engr.

Ont., Barton—Township Council making plans waterworks system. $60,000. A. G. Bryant, Court House, Hamilton, engr.

Ont., Hagersville—Plans additional mains and hydrants for fire protection. $40,000. E. Hinchcliffe, city engr.

Ont., Mimico — Plans 250,000 gal. steel elevated water tank and 1,000 meters. $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Stoney Creek—Council plans mains and fire protection systems. E. Lee, clk.

Alta., Calgary—G. A. Gaherty, mgr. Calgary Power Co., Montreal, Que., soon takes bids reservoir, here. $2,000,000.

BIDS DESIRED

Mass., East Bridgewater—Aug. 10, by Bd. Water Comrs., Town Hall, laying about 6,551 ft. 12 in. c.i. pipe, incl. excav., refilling, etc. H. L. Moorhouse, chn.

Mass., Wrentham — Aug. 11, by Water Comrs., 3 mi. 4- to 6-in. mains in various streets.

N. Y., Brooklyn—Aug. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Geritsen and New York Aves, etc., here.

N. Y., New York—Aug. 7, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Muncipal Bldg., mains in Adee, Astor, Barnes Ave., etc. Bronx Boro.

N. Y., New York—Aug 7 by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg mains in Baisley, Balcom, Commerce Aves., etc. Manhattan Boro.

N. C., Raleigh—Aug.g 26, by E. E. Culbreth, mayor and city comrs., City Hall, 2 motor driven centrifugal pumping units and starting compensators, etc. W. C. Olsen, engr.; adv. E. N.-R. Aug. 6.

O., Cleveland—Aug. 12, by Comrs. Cuyahoga Co., 21,000 ft., 6 and 8 in. c.i. mains in Impvt. 61. $50,000. F. Williams, Court Court House, engr.

Minn., Fairmont — Aug. 14, by H. J. Waite, secy., Water and Light Comn., constructing filtration plant, 6,372 ft. 6- to 16-in c.i. pipe, and 8 tons fittings, etc. $50,000. C. Foster, 512 Sellwood Bldg., Duluth, engr.

Mo., St. Louis — Aug. 25, by Bd. Pub. Wks., 208 City Hall, St. Louis, 4 forced draft chain grate stokers and 4 water tube boilers for High Service Station 2, at Bissells Point. $30,000 and $60,000 respectively. E. E. Wall, dir.

Tex., Greenville—Aug. 24, by J. O. Wellman, city secy., 900 m.g. reservoir, 16 in. c.i. pressure line, one 20 m.g.p.m. pump, filtration plant, distribution system, etc. H. Rush, Box 561, Greenville, engr. Noted July 30.

Tex., Jayton—Aug. 20, by Montgomery & Ward, engrs., 1016 City Natl. Bank Bldg., waterworks system, incl. mains, etc., in various streets, for City. $60,000. Noted July 23.

Okla., Idabel—Aug. 18, by W. O. Campbell, city clk., new 500,000 g.p.d. rapid sand filter plant, pumping equipment, 100 hp. oil engine, transmission line, etc. $50,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 2.

Okla., Walters—Aug. 10, by T. M. Anderson, city mgr., dam across Cache River at Sultan Park to impound water for city waterworks. $16,000. A. F. Thompson, Walters, engr.

Ont., Toronto—Sept. 8, by E. H. Foster, mayor, City Hall, 350 tons c.i. pipe, 204 lengths 24 in. c.i. pipe, castings, etc. $30,000. R. C. Harris, city engr.

BIDS RECEIVED

Mass., Revere—Reconstructing Shirley Ave. and granolithic sidewalks on various streets, from G. Ferullo, 31 North Sq., Boston, $2.65 per sq.yd. Engrs. est. $25,000. Noted July 2.

N. Y., Baldwin — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, July 28, two 20 m.g. turbine driven centrifugal pumps at Milburn pumping station, here, from Turbine Equipment Co., 30 Church St., **(1)** $98,280 **(2)** $92,150. Noted July 23.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., July 31, mains in Hegeman, Narrows, Ralph and 8th Aves., etc., from Grippo Contg. Co., 85 Webster Ave., $12,400. Noted July 23.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 5th Ave., etc., here, from Gregory Contg. Co. Inc., $7,364, Arcadia Ave., etc., here, from Riverdale Water Works Corp., 355 East 113th St., New York City, $7,000. Noted July 23.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., July 29, mains in Pelham Parkway N., from Knight & DeMicco, Inc., 448 East Tremont Ave., $27,555.

Fla., Tampa—Constructing 500,000 gal. water tank in Benjamin Field, from Chicago Bridge & Iron Wks., Forsyth Bldg., Atlanta, Ga., $20,800.

O., Cleveland — Comrs. Cuyahoga Co., July 15, 7,600 ft. 6- to 12-in. mains in Maglick Rd. (Impvt. 651), from Langahan Constr. Co., Marshall Bldg., $27,009.

Wis., Milwaukee—Dept. Pub. Wks., July 27, 6, 8, and 12 in. c.i. mains in various streets, Notice 96, from H. Crozier, 1767 West 19th St., $17,036; Notice 97, from Kehrein Bros., 1304 11th St., $14,393. Noted July 23.

CONTRACTS AWARDED

Me., Dixfield — About 3 mi. mains in various streets, to G. Ferullo, 31 North Sq., Boston, about $17,000.

N. H., New London—Bd. Watr Comrs., dam and 6 lines watermains, to G. Ferullo, 31 North Sq., Boston, about $35,000. Noted June 25.

Mass., Bodton—Dept. Pub. Wks. (High Pressure Service), high pressure fire pipes in Atlantic and Dorchester Aves., Richmond, Fulton, Congress and Lewis Sts., to C. and R. Constr. Co., 67 Harrison St. E., Rosindale, $67,804. Noted July 30.

Rhode Island—Bd. Water Comrs., City Hall, Woonsocket raising dam at Reservoir 3, Woonsocket Water Works, in Smithfield and North Smithfield, and raising highway near the Stephen Wright Pl., to M. A. Gammino Constr. Co., 728 Valley St., Providence, **$72,000.**

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ave. I, Parksville St. and St. Marks Ave., etc., to Knight & DeMicco, Inc., 448 East Tremont Ave., New York City, $59,746. Noted July 30.

Pa., Phila.—Dept. Pub. Wks., Bureau Water Contr. 766, 50,000 lb. pig lead, to N. Trotter & Co., 36 North Front St., $4,285; Contr. 767, pitometer survey of

Waterworks (Continued)

trunk mains of water distribution system, to Pitometer Co., 50 Church St., New York City, N. Y., $17,000; Contr. 768, 600 wash water troughs, to J. B. McHugh, 892 North Markoe St., $9,548; Contr. 769, 150 tons c.i. pipe and 100 tons c.i. specials, to R. D. Wood & Co., 400 West St., $20,846. Grand total $51,679. Noted July 30.

La., Shrewsbury—Jefferson Drainage Bd. constructing 4 pumping stations, 850,000 gal. capacity a minute at 7 ft. lift, to A. M. Lockett & Co., 521 Baronne St., New Orleans, $535,636.

Tenn., Memphis — Memphis Furniture Mfg. Co., South Camila St., 75,000 gal. cylindrical round bottom steel tank on 100 ft. tower, 8 in. mains to sprinkler system, high pressure pumps, etc., to Globe Automatic Sprinkler Co., U & P Bank Bldg.

O., Dayton—G. F. Baker, dir. Pub. Serv., 210 x 300 ft. rein. con., low service reservoir containing 9,000 cu.yd. concrete for Water Dept., to M. E. White Co., 1600 Courtland St., Chicago, Ill., $161,304. Noted July 16.

Ill., Downers Grove—C. M. Hitch, city clk., 1 m.g. circular, rein.-con. reservoir, to Green-Mullenbruck Constr. Co., 105 West Monroe St., Chicago, $26,770. Noted July 2.

Ill., Hartford—Complete waterworks and distribution system, to H. A. Grabbe Contg. Co., Alton, $66,068.

Minn., Duluth—P. G. Phillips, city comr., supervs. Duluth Water & Light Dept., laying 260 x 320 ft. concrete slab on and remodeling waterworks reservoir, 74th Ave. W., incl. 1,700 cu.yd. concrete in slab, 500 cu.yd. concrete in columns, 980 ft. 8- to 20-in. sewer pipe, etc., to C. R. McLean, 515 South 21st Ave. E., $84,405.

Wash., Seattle—Bd. Pub. Wks., 3,583 ft. 4- to 30-in. mains in 42nd Ave., to J. L. Smith, Pioneer Bldg., $55,969 engrs. est. $68,032; and 7,286 ft. 6- to 20-in c.i. mains and gate valves, etc., in East 55th St. et al., to Interstate Constr. Co., Thompson Bldg., $55,733 engrs. est. $56,704. Noted July 30.

Ont., Humberstone—For 9 mi. c.i. mains in various streets, to McNamara Constr. Co., Saulte Ste. Marie, $58,300. Engs. est. $60,000.

Sewers

PROPOSED WORK

Miss., Meridian—Voted $25,000 for sanitary sewers and $20,000 bonds for opening and extending 4th St. from 25th to 26th Aves. W. H. White, city clk. and treas.

Mass., Newton — Plans sewerage works in Taft Ave. $35,100 appropriated.

Fla., Clearwater—Voted $367,000 bonds, extensions and improvements, storm sewers in various streets. Noted May 21.

La., Baton Rouge—Making surveys improving sewerage and drainage systems, constructing filtration plant, etc. $200,000. J. B. McCrary Co., Citizens & Southern Bk. Bldg., Atlanta, Ga., engrs.

Tenn., North Chattanooga—Voted $100,000 bonds for sewers, water mains, fire protection, etc.

O., University Heights (Cleveland Heights P. O.) Plans sewers, water mains and grading sidewalks, etc., in various streets. $75,000. F. A. Pease Engr. Co., Marshall Bldg., Cleveland, engr.

Michigan—Oakland Co. (Pontiac) making plans about 18 mi. Royal Oak Drain, through Royal Oak, Southfield, Bloomfield and Troy Twps. $3,000,000. A. W. Spencer, Royal Oak, co. drain comr.

Ill., Addison — Making plans sanitary sewerage system and sewage disposal plant. $50,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., La Grange—Making plans 12- to 72-in. storm and sanitary sewers. $500,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted June 4.

Ill., Morton Grove—Making plans sanitary and storm sewers, 12- to 60-in. concrete and vitr. tile pipe, etc. $330,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Western Springs — Making plans sanitary sewerage system, incl. 8- to 24-in. vitr. tile pipe, etc. $170,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ia., Council Bluffs—Making preliminary plans 12,545 ft. 15- to 42-in. double ring segmental block, rein.-con. and vitr. clay sewers. J. H. Mayne, city engr.

Ia., Ft. Dodge—See "Bridges."

Missouri—C. R. Comfort, 219 North Gore Ave., Webster Groves, chn. Property Owners Comm., plans complete sanitary sewerage system for the River Des Peres Section, embracing Webster Groves, Glendale Heights and Shrewsburg, all in St. Louis Co. $3,000,000.

Tex., Canyon—Plans sewer extensions in east section. $35,000. W. D. Howern, Amarillo, engr.

Tex., Ft. Worth—See "Waterworks."

Okla., Barnsdall—Making surveys 4 mi. outfall sewers and sewage disposal plant. $45,000. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Okla., Bethany—Plans disposal plant, 5 mi. outfall sewers, etc., in all streets. $30,000. H. E. Mussen, Grain Exch. Bldg., Oklahoma City, engr.

Colo., Denver — Plans Valverde Special Sanitary Sewer, 8- to 10-in. vitr. pipe. $56,000. A. K. Vickery, City Hall, engr.

Calif., Belmont—Belmont Sanitary Dist. making plans 64,000 lin.ft. sewer, etc., in various streets. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., Long Beach—Made plans storm drain in Storm Drain Dist. 8, 1,313 lin.ft. 5 ft. 9 in., 4,650 lin.ft. 6 ft. 6 in. and 1,600 lin.ft. 7 ft. 9 in. tunnel section, etc. To exceed $500,000. J. Paterson, 504 City Hall, sanitary engr.

Calif., Palo Alto—Made plans 3,660 lin. ft. cement sewers, etc., in Waverly St., University Ave., etc.; also curbing, guttering and Warrenite bitulithic on 6 in. concrete paving University Ave. from Alma to Middlefield Rd. J. F. Bxybee, Jr., city engr.

Ont., Toronto—East York Twp., Sammon Ave. Municipal Yard, making plans 3,204 ft. 12- to 24-in. vitr. tile sewers in Westlake Ave. $47,094. G. R. Jack, twp. engr.

Ont., Toronto—East York Twp., Sammon Ave. Municipal Yard, plans 10,000 ft. 12 in. vitr. tile sewers in Broadview Ave. $40,895. G. R. Jack, twp. engr.

BIDS DESIRED

Mass., Boston — Aug. 7, by Dept. Pub. Wks., sewerage works in Centre St., West Roxbury; Aug. 10, in Atherton Ave., Hyde Park; Aug. 12, in Semont St., Dorchester; Aug. 14, in Faneuil St., Brighton. $25,000. J. A. Rourke, comr.

N. Y., Raybrook—Aug. 14, by F. R. Utter, supt. Purchase, Albany, sewage disposal plant for New York State Hospital for Incipient Tuberculosis, here; adv. E. N.-R. Aug. 6.

Pa., Elkins Park—Aug. 20 by Bd. Comrs., H. C. Pike, secy., constructing main outfall sewer from house drainage along Tacony Creek through Cheltenham twp., etc. Albright & Mebus, 1502 Locust St., Phila. civil engrs.; adv. E. N.-R. Aug. 6.

Pa., Phila.—Aug. 10, by Dept. Pub. Wks., Bureau Highways, (Schedule A) stormwater sewers incidental and necessary to the grading of Packer St., from Broad to 10th Sts., 10th St., from Johnston to drainage ditch south of Geary St., 20th St. from Packer to Pattison Aves., Pattison Ave., from 20th to Broad Sts., Pattison Ave. from Broad to 10th Sts., 10th St. from Pattison Ave. to drainage ditch north of Hartranft St., Pattison Ave. from 10th to 7th Sts., and 7th St. from Pattison Ave. to Johnston St. G. H. Biles, dir. of Pub. Wks. Noted July 23.

Pa., Phila.—Aug. 7, by Dept. Pub. Wks., Bureau Engineering, stormwater ditches and incidental drainage in connection with South Phila. Impvt., south of Packer Ave. and west Broad St. G. A. Biles, dir. Noted July 23.

Md., Baltimore—Aug. 12, by Bd. Awards, constructing storm drains and sanitary sewers in sewer districts H-5, J-5, 38-A and 39, all in Storm Water Contr. 84. M. J. Ruark, City Hall, sewerage engr.

Tenn., Winchester—Aug. 27, by mayor and aldermen, for constructing sanitary sewers here. C. H. Jenks, Union City, engr.; adv. E. N.-R. Aug. 6.

Ky., Louisville — Aug. 28, by Comrs. Sewage, Bd. of Trade Bldg., 3rd and Main St., for sewers in 38th St., Duncan St. Sewer Dist., and 40th St. Contr. 20. J. B. F. Breed, ch. engr.

O., Cleveland—Aug. 12, by Comrs. Cuyahoga Co., 7,000 lin.ft. 8 to 18 in. vitr. clay sewer in Ridgelawn Subdivision. To exceed $25,000. F. Lander, Court House, engr.

Ind., Rushville—Aug. 18, by City, 5,800 ft. sanitary sewers in various streets.

Mich., Jackson—Aug. 17, by City Clerk, relief sewers in Biddle St. J. E. Whittaker, city mgr.; adv. E. N.-R. Aug. 6.

Mich., Kingsford (mail Iron Mountain)—Aug. 20, by C. W. Seiler, village clk., 11,461 lin.ft. 10- to 48-in. sewer, etc. Hoad, Decker, Shoecraft & Drury, Ann Arbor, consult. engrs.

Wis., Rhinelander—Aug. 14, by A. Moe, city clk., 1,370 ft. 12- and 15-in. storm and 9,600 ft. 8- and 10-in. sanitary sewers, etc. in various streets. J. Donohue Engr. Co., North 8th St., Sheboygan, engrs.

Minn., Waseca—Aug. 11, by J. Madigan, City clk., one sewage lift station and 36,950 lin.ft. sanitary sewers, etc. in various streets. $30,000. T. Mackey, city engr.

Neb., Lincoln—Aug. 8, by Trustees Sanitary Dist. 1 of Lancaster Co. Outlet Sewer 9, 9,431 ft. 8 in. vitr. clay pipe sewers, 24 ft. 8 in. c.i. pipe, 21 standard manholes, etc. Peterson & Devoe, Bankers Life Bldg., engrs. Scott & Scott, 427 Bankers Life Bldg., consult. engrs.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, July 29, (**e. e. means engrs. est.**) reconstructing sewer in Fort Hamilton Parkway, from Montrose Contg. Co., (1) $1,277,831, from V. Peconi, 570 18th St. (2) $1,213,985; sewer in 73rd St., from A. W. Matarazzo, 1163 61st St., 72½% e. e. $5,479; sewer in 79th St. and Lott Ave., from Tozzi Contg. Co., 136 63rd St., 74.69% e. e. $5,260, and 74.39% e. e. $3,009 respectively; sewer in 47th and 59th Sts., from S. J. Coenzo, 678 Glenmore Ave., 67.99% e. e. $3,013 and 72.99% e. e. $3,531 respectively; sewer in East 34th St., from Manmill Constr. Co., 2035 Douglass St., 73.3% e. e. $3,170; and sewer in Rutland Rd., from Fenlon Constr. Co., 78.46% e. e. $1,228. Noted July 23.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Aug. 3, from A. Paino, 2016 East 14th St., Brooklyn, sewer in Farmers Blvd. B $764,143, from Awixa Corp., Mt. Vernon, A $832,172, from D. Bonnacci, 672 De Gau St., Brooklyn, sewer in 137th St. A $696,287, B $663,449, from Duit, Inc., 207 Argyle Rd., Brooklyn, sewer in Merrick Blvd. A $1,189,067, B $1,104,177, from Muccinni & Decker, 6102 18th Ave., Brooklyn, sewer in Baisley Blvd. A $515,050, B $504,188, from J. H. Johnson, sewer in Tiemann Ave., A $70,936, B $64,786, from D. A. Gross, 8515 Fulton St., Woodhaven, 84th St. $8,974. Noted July 30.

N. Y., New York — See "Streets and Roads."

O., Akron—Comrs. Summit Co., 6,849 ft. 33- to 36-in. (**a**) brick or (**b**) segmental block sewers in Little Cuyahoga Intercepter, from T. E. McShaffrey Constr. Co., 173 South Forge St., (**a**) $113,295 (**b**) $101,066; from Lombardi & Bowlus, 163 Annadale Ave., (**a**) $111,156 (**b**) $107,049. Engrs. est. $125,000. Noted July 16.

O., Cleveland—For 325 ft. 4½ ft., 795 ft. 4½ ft., and 910 ft. 4 ft. brick sewer, 1,570 ft. 5C, 70 ft. 3 ft. and 400 ft. 15- to 30-in. D. S. tile mains in Miles Ave., from Amata Constr. Co., 5910 Kinsman Rd., $62,017; mains in Fulton Rd. and 1,385 ft. 15 and 18 ft. tile mains in Sobieski Ave., from W. B. Smith, 1050 West 89th St., $3,113 and $4,583 respectively; 1,385 ft. 12 and 20 in. tile mains in East 162nd St., from Kassouff & Co., 3182 West 25th St., $4,325.

CONTRACTS AWARDED

N. Y., Lackawanna—Constructing sewage disposal plant, to Moore-Thomas, Inc., 82 Richfield Ave., Buffalo, $308,964. Noted July 23.

Pa., Phila.—Dept. Pub. Wks., Bureau Engineering July 28, storm water sewers Wingahocking sewer in Howard St., Hunting Park and McAlester Aves., to Adolph Jafalla and L. Mark, 139 South 50th St. $521,414, main sewer in Colgate St. to P. Ventresco, 6325 Chew St. $63,931. Noted July 23.

Md., Baltimore—Bd. Awards, 23,160 ft., 8 and 18 in. sanitary sewers in Dist. P-8, Contr. 220, to A. J. Boyle, Amer. Bldg., $91,061. Noted July 23.

Md., Salisbury—Water & Sewer Comn., constructing north and south trunk lines, to Martin Constr. Co., Albert Lea, Minn., $89,730.

Fla., Tampa—Sewers in Sect. 20 and 22, to C. M. Owen, Tampa, $50,250. in Sect. 19, to E. P. Ferry, Tampa, $54,324.

O., Akron—Summit Co., 6,840 ft. 33- to 36-in. brick or segmental block sewer, in Little Cuyahoga Intercepter, to T. E. McShaffrey Constr. 173 South Forge St., $101,066. Engrs. est. $125,000. Noted July 16.

O., Cleveland—City, 1,370 ft., 12 in. tile sewer in Bangor Ave., and 1,385 ft. 12 to 20 in. vitr .tile sewer in East 162nd St. to Kassouff & Co., 3182 West 25th St., $2,824 and $4,235 respectively, 1,980 ft. 6 and 7 in. concrete pipe sewer in Lake Rd. extension, to Angela Marra Co., Ulmer Bldg., $32,678.

Sewers (Continued)

O., Cleveland—City sewers in Miles Ave., to Amata Constr. Co., 5910 Kinsman Rd., $62,017. Noted July 19.

O., Columbus—See "Streets and Roads."

O., East Liverpool — Sanitary sewers in Ryder Alley and Springdale Ave., to O. Milliron Co., 2nd St., $26,728. Engrs. est. $30,000. Noted July 23.

O., Medina—Bd. Comrs. Medina Co., sewage plant at Chippewa Lake Dist., to Burnip Constr. Co., 223 West Broad St., Columbus, $29,168.

Wis., Milwaukee—Dept. Pub. Wks., to Szukalski & Matke, 1089 American Ave., concrete stor mand sanitary sewers in Euclid Ave. from 9th to 10th Aves. $986, 28th St. from Lincoln Ave. to Grant St. $2,903, 9th Ave. from Ohio to Oklahoma Aves. $6,872, 29th Ave. from Lincoln to Grant St. $2,885; to W. T. Werner, 675 Hi Mount Blvd., Sherman Blvd. from Burleigh St. to Roosevelt Dr. $9,365, 55th St. from Meinecke Ave. to point north $749, and 59th St. from North Ave. to Wright St. $2,195, to J. Brogan & Sons, 700 Dousman St., Green Bay, 18th St. from Lake St. to Fiebrantz Ave. $1,808, Cleveland Ave. from 22d Ave. to point east $1,102, to Holton & Goggins, 345 27th Ave., Jefferson St. from 3d to 4th Aves. $753, 17th St. from Lake St. to Fiebrantz Ave. $1,927; to Wenzel & Henoch, 498 27th St., Burleigh St. from Sherman Blvd. to point west $16,626, 47th St. from Chambers to Burleigh Sts. $1,500, 48th St. from Chambers to Burleigh Sts. $1,500, and 49th St. from Chambers to Burleigh Sts. $1,564. Grand total $73,925.

Ia., Villisca—City, 17,168 ft. 8- to 12-in. vitr. clay sewers, to F. B. Corey, Shenandoah, $14,795. City will install 3,000 ft. 4 in. c.i. mains, by own forces. Noted July 30.

N. D., Dickinson—Bd. City Comrs., storm sewer system in various streets to Haggart Constr. Co., 214 Roberts St., Fargo, $74,000. Noted July 2.

Kan., Winfield—City, 5,303 ft. 15- to 51-in. storm sewer in South Main St., to M. R. Amerman, 246 North Market St., Wichita, $32,627.

Mo., Kansas City—Bd. Pub. Wks., general contract approximately 9,000 ft. combined storm and sanitary sewer, known as "Goose Neck Sewer," to Torson Constr. Co., Quindora Bldg., $1,266,508. Noted July 23.

Mo., St. Louis—See "Streets and Roads."

Ark., Russellville—R. Bailey, atty., sanitary sewers in Sewer Dist. 2, to Rowan & Ricard, Pine Bluff. Engrs. est. to exceed $25,000. Noted July 23.

Wash., Seattle—Bd. Pub. Wks., sewers in Wright Ave. et al., to McHugh & Coluccio, 517 3rd Ave. N., $106,342. Engrs. est. $112,377.

Wash., Seattle—Bd. Pub. Wks., 9,450 ft. 8- to 18-in. sewers, etc., in Orcas St. et al., to F. N. Agostino & Co., 1318 21st St. S., $36,384. Engrs. est. $36,537. Noted July 30.

Wash., Seattle—Bd. Pub. Wks., trunk sewer in Michigan St. et al, to Felix Arcorace, Thompson Bldg., alternate B, $290,672. Noted July 30.

Calif., Hermosa Beach—Cement sewers in various streets, to B. C. Nichols, 1216 Manhattan Ave., Manhattan Beach, $187,950.

Que., Cap-de-la-Madeliene—Will lay 3,000 ft. 12- to 18-in. clay pipe, in Beauchmin, DuSauctuaire, Notre Dame, Mineplaiser Sts., by day labor. $2,600. R. Morrissette, engr.

Ont., Ansonville—P. Dube, clk. Calvert Twp., sewers, pumphouse, and mains, here and Victoria, to McNamara Constr. Co., Saulte Ste. Marie, $89,500; pumps, to Babcock Wilcox-Goldie McCullough, Galt, $3,200; c.i. pipe, to Natl. Iron Corp., foot Cherry St., Toronto, $42,000.

Ont., Hamilton—S. H. Kent, city clk., City Hall, 1,000 lin.ft. brick egg shape sewer in tunnel in Stuart St., to J. Maguire, 196 Spadina Rd., Toronto, $28,345. Engrs. est. $30,000.

Bridges

PROPOSED WORK

Va., Tappahannock—State and Richmond, Fredericksburg & Potomac R.R. Co., Broad Street Station, Richmond, E. M. Hastings, ch. engr., plans bridge over Rappahannock River, here, $400,000, also addition to passenger station and elimination of grade crossings $600,000. H. G. Shirley, ch. State Highway Comn.

North Carolina—State Hy. Comn., Raleigh, plans rein.-con. and steel bridge and approaches on Project 203, over Bogue Sound between Morehead City and Beaufort. $570,000.

North Carolina—State Hy. Comn., Raleigh, plans rein.-con. bridge over Piney Marsh, on Project 193, Tyrell Co., $177,000; also rein.-con. bridges and culverts, on Project 720-B. Caldwell-Catawba Counties, $150,000. C. M. Upham, highway engr.

Fla., West Palm Beach—Palm Beach Co. election Aug. 18, $30,000 bonds bridge over Earman River, $80,000 bonds double leaf bascule draw bridge over Hilsboro Canal, and $120,000 bonds rein.-con. double leaf bascule draw bridge over Laxahatchee River, at Juniper, all foregoing on Dixie Highway. F. E. Fenno, co. clk.

Tennessee—State Dept. Hys. & Pub. Wks. Nashville, soon takes bids 630 ft. rein.-con. arch bridge over French Broad River, Cooke Co. $75,000. J. G. Creveling, highway comr.

O., Cleveland — Cuyahoga Co., election Nov. 3, $3,000,000 bonds rein.-con. bridge known as Willow Bridge; also $15,000,000 bonds, Lorain-Carnegie High Level Bridge, rein.-con. and steel over Cuyahoga River. F. Lander, Court House, co. engr. Noted Oct. 18, 1923, and Mar. 13.

Ill., Chicago — South Park Comrs., 910 South Michigan Ave., making plans 300 ft. bridge 80 ft., to connect Lake Shore Dr. and New South Driveway. $8,000,000. Strauss Bascule Bridge Co., 307 North Michigan Ave., engrs.

Wis., Milwaukee—City, R. E. Stoelting, comr. Pub. Wks., plans steel bascule bridge on Cedar and Biddle Sts. $700,000. M. C. Cutler, City Hall, engr.

Ia., Ft. Dodge—City and Minneapolis & St. Louis R.R. Co., Transportation Bldg., Minneapolis, R. G. Kently, ch. engr., making preliminary plans 240 ft. rein.-con. viaduct with 24 ft. roadway over tracks, here, also 2 mi. sewers. $25,000.

Minn., Minneapolis—Hennepin Co. soon takes bids 170 ft. concrete and steel bridge over Minnesota Western R.R. tracks, on Project 25-57-C, 986.8 cu.yd. concrete, 60,488 lbs. reinforcing and 150,150 lbs. structural steel. $26,000. J. W. Shaffer, co. surv.

Kan., Mound City—Linn Co. making plans Big Sugar Creek Bridge, 160 ft. truss span, 20 ft. wide; Cadmus Bridge, two 40 ft. spans 20 ft. wide; 20 ft. slab span bridge at Sta. 1086-50, 22 ft. Little Sugar Creek Bridge, 100 ft. trus span, 20 ft. wide with alternate on 100 ft. Marsh arch span. C. E. Kinney, Mound City, engr.

Ark., North Little Rock—City and Missouri R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., making preliminary plans rein.-con. viaduct 4 blocks long and 40 ft. wide over railroad crossing at Main St. $180,000.

Tex., New Braunfels—Comal Co. plans bridge over Comal River on State Highway 56. $50,000. State appropriated $25,000 toward cost. C. Roeper, judge.

Tex., Weatherford — See "Streets and Roads."

Washington—State Hy. Dept., Olympia, soon takes bids 220 ft. steel truss span bridge with concrete approaches over Washougal River on State Rd. 8, Clarke Co. J. W. Hoover, highway engr.

Wash., Sumner—State Hy. Dept., Olympia, soon takes bids probably two 150 ft. steel truss span bridge over Puyallup River on State Rd. No. 5, Pierce Co., near here. J. W. Hoover, Olympia, highway engr.

Calif., Los Angeles—Made plans 1,580 ft. steel bridge, 40 ft. spans, 60 ft. roadway over Anaheim St., 1,600,000 lb. reinforcing, etc. $500,000 or more. M. Bulter, city bridge engr.

Calif., Seal Beach—Plans bridge across Los Alamitos Bay from Seal Beach to Ocean Blvd., and constructing highway from Long Beach to Balboa.

Que., Quebec—Plans 125 ft. bridge, here. $25,000. F. C. Laberge, 30 St. James St., Montreal, engr.

BIDS DESIRED

Massachusetts—Aug. 11, by Dept. Pub. Wks., Boston, concrete bridge on highway in Sudbury & Wayland. W. F. Williams, comr.

Massachusetts—See "Railways."

West Virginia — Aug. 18, by State Hy. Dept., Charleston, Madison Bridge, Project 3151-C, Boone Co.; East Rainelle Bridge, Project 77, Greenbrier Co.; Little Sandy Bridge, Project 3206, Coopers Creek Bridge, Project 48-B, and Big Sandy Bridge, Project 3231, all in Kanawha Co.; West Creek Bridge, Project 139-A, Mason Co.; Camp Creek Bridge, Project 121, Mercer Co.; West Landgraff Bridge, Project 2048-B, McDowell Co.; Sycamore Bridge, Project 3164, Jackson Co.; Cairo Bridge, Project 3115, Ritchie Co., Upper Spring Creek Bridge, Project 2089, and Reedy Bridge, Project 3125, Roane Co.; Bridgeport Bridge, Project 3269, Harrison Co.; French Creek Bridge, Project 3277-B, Upshur Co.; Moorefield Bridge, Project 62, Hardy Co.; Beverly Bridge, Project 3210, Randolph Co.; Mill Race Bridge, Project 3143-A, Tucker Co. E. B. Varskadon, secy.; adv. E. N.-R. Aug. 6.

South Carolina—Sept. 1 by State Highway Dept., Columbia, for Santee River Bridge and approaches on State Rd. 30, between Clarendon and Orangeburg Counties. S. McCowan, ch. Hy. Comrs.; adv. E.N.-R. Aug. 6.

Mich., Ann Arbor—Aug. 10, for three 40 ft. spans bridge over the Huron River at Fuller St., here.

Wisconsin—See "Streets and Roads."

Mo., St. Louis—See "Contracts Awarded."

Tex., San Angelo — Aug. 29, by E. V. Spence, mayor, 380 ft. arched span, rein.-con. bridge with sewer siphon, across Concho River, here. $40,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted July 23.

Colorado—Aug. 12 by State Highway Dept., Denver, a 113 ft., concrete girder bridge with graded approaches over Muddy Creek, about 19 mi. south of Pueblo on State Hy. 1, Pueblo Co. S. D. Blauvelt State Office Bldg., Denver, engr.

Washington—Aug. 18, by State Hy. Dept., Olympia, two 123 ft. and one 144 ft. fixed, open spandrel, concrete deck arch spans or two 200 ft. steel truss spans with 40 ft. concrete "T"-beam approach, over Elwha River on State Rd. 9, Clallam Co. To exceed $25,000. J. W. Hoover, highway engr. Noted July 2.

Wash., Tacoma—Sept. 1, by State Hy. Dept., Olympia, 2,830 ft. steel and rein.-con. viaduct across railway tracks and Puyallup River on State Rd. 1, Pierce Co. J. W. Hoover, highway engr. Adv. E. N.-R. Aug. 6.

BIDS RECEIVED

Massachusetts—See "Streets and Roads."

New Jersey—State Hy. Dept., Trenton, July 27, 2 concrete bridges on State Highway Route 4, Sect. 30, and 2 bridges over Cedar and Mill Creeks, Ocean Co., from Ashbrook Constr. Co., Mayetta, $29,530. Noted July 9.

North Carolina—State Hy. Comn. Raleigh, rein.-con. bridge and culverts on Project 395, Robeson Co., from Rhyne & Kitchen, Henderson, $63,573; on Project 851, McDonnell Co., from Appalachian Constr. Co., Knoxville, Tenn., $41,751—on Project 889, Yancey Co., from Albert Bros., Shawsville, Va., $26,147. Noted July 2.

Tex., Gonzales—See "Streets and Roads."

California—State Hy Comn., Sacramento, rein.-con. bridge over Coachella Storm Water Channel, Riverside Co., from Badt-Falk-Bergendahl, Bartlett Bldg., Los Angeles, $37,495, engrs. est. $38,250; also over Charley Creek, Shasta Co., from Bordwell & Zimmerman, Napa, $71,770, engrs. est. $69,320. Noted July 9.

Calif., San Francisco—City and San Francisco Co., rein.-con. bridges, at San Jose and Mt. Vernon Aves., from Bond Constr. Co., 1st Natl. Bank Bldg., $97,140. Engrs. est. $175,000. Noted July 2.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, concrete bridge and approaches on 2,000 ft. highway in Bellingham, to A. DePasquale, Milford, $19,282, and widening 3 timber bridges on highway in Revere and Saugus, to L. S. White, Inc., 1 West St., Kingston, $44,604. Noted July 30.

Mass., Holyoke — Bd. Pub. Wks., City Hall, 3 span concrete and steel deck girder bridge, Cabot St., to P. J. Kennedy & Co., Inc., 46 Park St., Holyoke, $25,920. Noted July 30.

N. Y., New York—W. W. Mills, Comr. Plants & Structures, Municipal Bldg., reconstructing center pier fender at 145th St. Bridge, over Harlem River, to A. N. Spooner & Sons, Inc., Pier 11, North River, $68,795. Noted July 30.

Pa., Phila.—City, 435 x 108 ft., timber I-beam bridge over Greenwich Branch Pennsylvania R.R. and Baltimore & Ohio R.R. tracks, at 7th St., to Brown King & Co., Commercial Trust Bldg., $102,215. Noted July 30.

Louisiana—See "Streets and Roads."

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, 1 steel superstructure for 170 ft. span bridge, Route 12, Sect. 1-C, Lawrence Co., to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., $13,690; one 20 ft. concrete slab and one 42½ ft. concrete girder bridges, Route 3, Sect. 2-B, Morgan Co., to Herrick Constr. Co., Carlinville, $11,092; one 7 span, 40 ft. concrete girder bridge, Route 32, Sect. 4-B, Moultrie Co., to Dees Bros., Oblong, $31,251; one 24 ft. and one 40 ft. span concrete girder bridge, Route 36, Sect. 2-B, Hancock Co., to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, Ia., $12,234; one 24 ft. concrete slab bridge, one 58 ft. and two 45 ft. concrete girder bridges, Route 40, Sect. 10-B, Jo Daviess Co., to W. H. Shons, Freeport, $34,970. Grand total $103,237. Noted May 28 and June 18.

Wis., Manitowoc—A. H. Zander, city clk., substructure for steel bridge over Manitowoc River at 8th St., to McMullen & Pitz

Bridges (Continued)

Constr. Co., 923 Commerce St., $148,470, superstructure, to Manitowoc Shipbuilding Co., 16th and Rover Sts., $166,375. Noted July 30.

Ia., Allison—Butler Co., to Shirley Constr. Co., Omaha, Nebr., Primary Project 371, 4,767 cu.yd. excav. at $0.253 per cu.yd., Project 260, 51,976 cu.yd. earth excav. $0.235, 75 cu.yd. approach excav. at $0.253, 1,200 cu.yd. channel excav. at $0.253, loose rock excav. $2.00 and solid rock excav. $3.00; to Waugh & Tackman, Clarksville, 4 box culverts, $2,482; to E. N. Ove, Dike, 2 span 36 x 24 ft. I-beam bridge, $8,290; to C. J. Kramme, Ft. Dodge, one 90 x 20 ft. and one 60 x 20 ft. pony truss bridges, $14,500.

Ia., LeMars—Plymouth Co., 1 pony truss and 2 I-beam bridges with concrete floors and abutments, 5 box culverts, also 2 I-beam and 2 pony trus bridges with wood floors and abutments, etc., to Humphrey & Son, Cherokee, $28,060.

Ia., Onawa — Monona Co. improving Primary Project 38, etc., 136 cu.yd. excav., 210 ft. 15 in. culvert pipe and 69,900 cu.yd. overhaul, to C. W. McNamara, Sioux Falls, S. D., $29,925; 15 concrete box culverts on Contr. 1, to McCallan & Doron, South Sioux City, $36,800; 15 concrete culverts on Contr. 2, to Snyder & Johnson, Humboldt, $35,229.

Kan., Eldorado—Butler Co., 12 concrete culverts, to C. A. Clark, Wichita, $3,708; 24 concrete culverts and 1 multiple slab bridge, to Lewis & Schide, Eldorado, $11,098; 1 multiple box culvert, and 1 double 12 ft. low water bridge, also two 16 ft. slab span bridges and one 32 ft. span I-beam bridge, to Wilday & Reagor, Augusta, $1,644 and $3,100 respectively; 4 concrete culverts, to Kiser & Son, Leon, $1,593; 25 ft. T girder bridge, 1 multiple box culvert, 1 wing wall and 1 concrete box culvert, to Missouri Valley Bridge & Iron Co., Leavenworth, $4,608.

Missouri, St. Louis—San Francisco Ry., Frisco Bldg., St. Louis, setting piers and abutments and concrete boxes for various bridges along River Div. between St. Louis, Mo. and Terrell, Ark., to United Constr. Co., 408 Lyric Bldg., Cincinnati, O., approximately $25,000.

Mo., St. Louis—City will resurface and repair roadway and superstructure of viaduct over railroads in Mill Creek Valley, at Grand Blvd., by day labor. $25,000. Noted Feb. 10.

Arkansas—State Hy. Dept., Little Rock, 1,520 ft. creosoted timber bridge across Big Lake, on Blytheville-Manila Rd., 4,990 cu. yd. excav., 116,216 ft. untreated and 143,784 ft. treated timber, 10,812 ft. creosoted piling, etc., to J. F. Mullins, 1818 Chestnut St., Pine Bluff, $31,973

Tex., Austin — Travis Co., rein.-con. bridges and culverts, incl. 135,704 lb. reinforcing, etc., on State Highway 20, Federal Aid Project 478-D, 26 ft., to Johnson Bros., Austin, $39,329; grading 2.68 mi. same road, to H. Kyle, Hutton, $5,706. Noted June 11.

Tex., Gonzales—See "Streets and Roads."

Calif., Salinas—Monterey Co. rein.-con. bridge, over Arroyo Secco River, to A. W. Kitchen, 110 Market St., San Francisco, $57,265. Noted July 23.

Ont., Atherley—F. Barber and associates Ltd., engrs., 45 Jarvis St., Toronto, 400 ft. concrete and steel bridge, 4 concrete truss and 1 swing spans over Trent Valley Canal, to Curran & Briggs, Orillia, for Simcoe Co. (Barrie) and Ontario Co. (Whitby). $52,584. Engrs. est. $100,000.

Ont., Toronto—Toronto Terminal Ry Co., New Union Sta., temporary timber overhead bridge at Bay St., to Dominion Constr. Co., 14 Wellington St. E. Engrs. est. $100,000.

Dams

PROPOSED WORK

La., Shreveport—Caddo Levee Bd., c/o W. A. Kedley, secy., plans repairing Caddo Lake Dam. State of Texas will appropriate $25,000, W. A. Kedley $12,500, State of Louisiana $12,500, Federal Government $50,000, Gulf Refining Co. $25,000 toward cost. G. C. Schoenberg, New Court Bldg., New Orleans, engr.

Tex., Cleburne—Cleburne Lake Rod & Gun Club making plans 900 ft. earth dam and rock spillway. $25,000 to $30,000. Jno. R. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr.

Wash., Tacoma — Tacoma Light Dept. soon takes bids (2nd unit) diversion dam, for Cushman Power Project, here. $100,000.

BIDS DESIRED

Okla., Walters—See "Waterworks."

CONTRACT AWARDED

N. H., Bethlehem — Bethlehem Electric Co., Ambursen dam 300 ft. long, 25 ft. high and hydro-electric plant, to Ambursen Constr. Co., Inc., Grand Central Terminal, New York City. Archts. est. $100,000.

Tex., Crystal City — Zavalla Co., 3 new dams for irrigation purposes in Winter Garden trail, to W. Bates, Crystal City, $116,925.

Ont., Ottawa—Chaudiere Power Co., constructing dam here to Grant Bros. Constr. Co., Albert St. $40,000.

Railways

PROPOSED WORK

New York — Public Serv. Comn., Binghamton, authorized constructing single track switch and siding crossing Brown St., at grade of Delaware, Lackawanna & Western R.R., Binghamton, also plans constructing new marginal highway to eliminate grade crossing to Floyd Rd. Highway in town of Marcy.

Virginia—Big Sandy & Cumberland R.R. Co., 115 East Rich St., Columbus, O., W. M. Ritter, pres., plans 14.08 mi. railroad extension from Hurley to Levisa Fork, here. $2,500,000.

North Carolina—Seaboard Air Line Ry. plans extending main line 40 mi. from Rutherfordton to Hendersonville. $8,000,000. W. D. Faueette.

Florida — Seaboard-All Florida Ry., a subsidiary of the Seaboard Air Line Ry., Continental Bldg., Baltimore, Md., plans an east coast extension of the latter system from West Palm Beach to Miami and a west coast extension to Fort Myers. S. Davis Warfield, Calvert and Baltimore Sts., Baltimore, Md., pres.

Oklahoma—St. Louis & San Francisco Ry., 120 Bway., New York City, making preliminary surveys extending 6 mi. railroad from Lucian to Garber. $300,000. F. G. Jonah, Frisco Bldg., St. Louis, Mo., ch. engr.

Ontario—Ontario Hydro Power Comn., University Ave., Toronto, A. Beck, chn. plans constructing 3 mi. new track and 9 mi. double track and reconstruction work, in Windsor. $750,000. Comm. engrs.

BIDS DESIRED

Massachusetts—Aug. 27, by Transit Dept. 1 Beacon St., Boston, constructing sect. 1 Dorchester Rapid Transit, road bed, platforms, bridges, etc.

CONTRACTS AWARDED

Saskatchewan—Canadian Natl. Ry., 230 St. James St., Montreal, Que., 44 mi. Tuttleford-Meeting Lake branch and 23 mi. St. Paul de Mehs branch line, here, to J. G. Hargrave & Co. Ltd., 334 Main St., Winnipeg, Man.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Kan., Wichita — North Wichita D. D. making surveys levees, ditches, sluice gates, etc. Clark E. Jacoby Eng. Co., 700 Interstate Bldg., Kansas City, Mo., engrs.

Okla., Okemah—Canadian D. D. 1, Okfuskee Co. making preliminary plans draining and straightening North Canadian and Deep Fork Rivers across county. $1,000,000. E. E. Blake, Terminal Bldg., Oklahoma City, engrs.

Calif., Tracy—Directors Banta Carbona Irrigation Dist. rejected bids July 11, 40 mi. distributing lateral system, 80,000 cu.yd. excav., 610 r.w. timber checks and drops, and 300 timber turnouts. W. D. Harrington, Tracy, engr. Noted July 2.

Ont., Welland—Dept. Rys. and Canals, Parliament Bldgs., Ottawa, making plans and soon takes bids constructing 4 mi. Sect. 6, Welland Canal, from Alexandria Bridge to Port Robinson. $5,000,000. W. A. Bowder, ch. engr.

BIDS DESIRED

N. Y., Brooklyn—Aug. 10, by M. Cosgrove, Comr. of Docks, Pier A, foot of Battery Place, North River, New York City, constructing dikes and bulkheads and dredging a channel from 550 ft. east of Rockaway Parkway to 500 ft., east of the East Side of Fresh Creek Basin, Jamaica Bay, Brooklyn Boro.

Ill., Geneseo—Aug. 25, by Comrs. Mud Creek Special D. D., Henry Co., and State, constructing and extending main ditch. V. X Smiley, Geneseo, engr.; adv. E. N.-R. Aug. 6.

Tex., Wharton—Sept. 1, by J. P. Markham, engr., Wharton, cleaning out and improving 14 mi. Colorado River, in Wharton and Matagorda Counties, for Wharton Co. Conservation & Reclamation Dist. 1. $40,000.

BIDS RECEIVED

Calif., Venice—City, July 21, filling canals and waterways 90,000 cu.yd. rock, from E. Schekling, 4362½ South Figuerra St., Los. Angeles, at $0.53 per cu.yd., total $47,700. Noted July 9.

CONTRACTS AWARDED

Ill., Pekin—Urbandale Drainage & Levee Dist., straightening and deepening 65,000 yd. Farm Creek, to J. J. Jobst, Peoria, at $0.20 per yd.

Ill., Woodriver—Woodriver Drainage & Levee Dist., approximately 15,000 cu.yd. earthwork, etc., to Cope Bros., Alton, $0.91 per cu.yd.

Streets and Roads

PROPOSED WORK

Mass., Malden — Plans grading and bituminous macadam paving driveways in grounds about Junior High School, Cross St. $25,000. W. H. Punchard, 16 Arlington St., Boston, engr.

Mass., Medford—Plans widening and improving Main St., South Medford, $62,000 appropriated.

N. J., Burlington—Common Council plans sheet asphalt paving East Pearl and Federal Sts. $45,000. B. A. Sleeper, 304 West Union St., engr.

N. J., Dutch Neck—Princeton Twp. Com., Princeton, making plans improving 3 mi. road from here to Hamilton Sq. $25,000. C. S. Sincerbeaux, Mechanic Bldg., Trenton, engrs.

N. J., Lawrenceville—Twp. Com. plans concrete sidewalks on Lincoln Highway, also curbing and guttering Monroe and Lawn Park Aves. $63,000. Engineer not selected.

N. J., Perth Amboy—City Council plans concrete paving Johnstone, Barclay and Division Sts. $66,000. L. Booz, Jr., 283 Madison Ave., engr.

W. Va., Beckley—Clear Fork Dist. voted $80,000 bonds improving various roads in Raleigh Co. W. J. Campbell, Beckley, engr. Noted June 25.

W. Va., Beckley — Town Dist. election Aug. 15, $660,000 bonds, for roads in Raleigh Co. W. J. Campbell, Beckley, engr.

W. Va., Philippi — Philippi Dist. voted $188,000 bonds, improving roads in Barbour Co. R. K. John, Philippi, engr.

North Carolina—State Highway Comn., plans clearing, grubbing, and grading 10 mi. Project 932, from end Project 931 to Tennessee State line, $72,000, and 10 mi. Project 931, from Robbinsville toward Tennesee state line, $70,000, both Graham Co., E. M. Upham, Raleigh, state engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grading and surfacing 15.76 mi. roads in Caldwell-Catawba and Jones Counties, $75,500, grading and concrete or asphalt paving 55.24 mi. roads in Columbus, Durham, Robeson, Rowan, Montgomery, and Duplin Counties, $1,925,400; grading and sand asphalt paving 5.41 mi. roads in Gates Co., $83,900; grading and small rein.-con. structures in Rockingham Co., $26,500; grading and waterbound macadam paving roads in Caswell Co., $112,000. C. M. Upham, highway engr.

N. C., Goldsboro—Plans to issue $30,000 bonds sidewalks, and paving various streets. $30,000.

Florida — State Hy. Dept., Tallahassee, soon takes bids curbing, guttering, concrete paving 1,750 cu.yd. Federal Aid Project 41 between Broward Co. line and Miami city limits, Dade Co. $540,000. State Hy. Eng. Dept., Tallahassee, engrs.

Fla., West Palm Beach—Palm Beach Co. election Aug. 18, $370,000 bonds for constructing various roads. F. E. Fenn, clk.

Miss., Gulfport — Harrison Co. making preliminary plans grading, bridging, paving, etc., 16 mi. Magnolia Highway, 18 ft. $580,000.

Miss., Laurel—Jones Co. making preliminary plans grading, hard surfacing, etc., various parts of Laurel-Ellisville Rd. $300,000. H. C. Dietzer, Jackson, engr.

Miss., Lexington—Holmes Co. voted $45,000 bonds for gravel surfacing various streets in Beat One.

Miss., Meridian — Lauderdale Co. soon takes bids grading, bridging and gravel surfacing Meridian-Newton Highway. $150,000. H. C. Dietzer, Jaskson, engr.

Miss., Meridian—See "Sewers."

La., DeRidder—Election Aug. 27, to vote bonds, improving road from Merryville to Calcasieu Parish line.

Streets and Roads (Continued)

O., Akron—Summit Co. plans improving 2½ mi. Hometown-Richfield Rd., $29,000; 4.65 mi. Clinton-Greensburg Rd., $54,000; 1.54 mi. Bath-Stow Rd., $29,500, all 16 ft. R. E. Williams, Court House, engr.

O., Columbiana—Plans improving New Garden Rd., $125,000. L. C. Kirk, Tilos, engr.

O., Columbus—Making plans grading and laying necessary water services and sewer connections, and paving with **(a)** brick **(b)** asphalt or concrete 3,253 ft. Roys Ave. 24 ft. **(a)** $34,947 **(b)** $27,474; 427 ft. Wall St. **(a)** $7,783 **(b)** $6,097; 445 ft. Chapel St. **(a)** $8,727. R. H. Simpson, city engr.

O., University Heights (Cleveland Heights P. O.) See "Sewers."

Ind., Crownpoint—Lake Co. plans concrete paving 1.7 mi. Walleske Rd., 18 ft. $44,000. C. K. Wallace, Crown Point, engr.

Mich., Springwells—Plans concrete paving, etc. 10,002 sq. yd. Horger Ave., 8,935 sq.yd. Neckel Ave., 8,846 sq.yd. Calhoun Ave., 6,806 sq.yd. Orchard Ave., and 6,506 sq.yd. Hartwell Ave., sewers in Osborn Pl. and Roemer Ave. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids grading Fish Hatchery, Woodford Co., and sidewalks for bridge on Route 6, Sect. 2-K, Du Page Co. Noted June 18.

Ill., La Grange—Making plans 300,000 sq.ft. concrete sidewalks on various streets. $90,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., La Grange—Making plans grading various streets. $200,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ia., Marshalltown—Making preliminary plans grading, curbing and 7 in. rein.-con. paving 28,572 sq.yd. various streets.

Ill., Peoria—Making plans grading, curbing, paving, etc., 6.5 blocks Nowland, West Republic, East Gift and South Underhill Sts. $33,070. W. E. Backes, City Hall, engr.

Minn., Faribault—F. M. Kaisereatt, aud. Rice Co., rejected bids July 15, grading, etc., 6.9 mi. Job 2503, S. A. Rd. 64 and portion S. A. Rds. 51 and 26, $30,259; 12.6 mi. Job 2504, S. A. Rd. 3, Divs. A and B, $51,-480; and 4 mi. Job 2417, S. A. Rd. 54, $18,-566 Noted June 25.

Kan., Baldwin — Making plans paving various streets. $40,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Kan., Hill City—Making preliminary plans grading, curbing and brick or vibrolithic concrete paving 10 blocks various streets, $75,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Kan., Lawrence — Douglas Co. making preliminary plans grading, bridging, surfacing, etc., 5 mi. Golden Belt Highway from Lawrence to Jefferson-Douglas County Lines, 10 mi. Lawrence-Kansas City Rd., 2 mi. New Santa Fe Rd., 25 mi. National Old Trails Rd. and 6 mi. Lawrence-Baldwin Rd., etc. H. A. Marshall, 111 Stephens St., Topeka, engr.

Kan., Lawrence — See "Streets and Roads."

South Dakota—State Hy Comn., Pierre, takes bids in August, grading 12 mi. from Lennox to Parker, Turner and Lincoln Counties, 18 mi. road in Irene, Yankton and Clay Counties, 1 mi. road from Watertown to Florence, Codington Co., 14 mi. from Wagner east, Chas. Mix Co., graveling 6 mi. road from Platte east, Chas. Mix Co. and 6 mi. road from Beresford west in Lincoln and Clay Counties.

Tex., Beeville—Bee Co. soon takes bids 1 in. Uvalde Rock asphalt surfacing 107,-000 sq.yd. State Highway 12, $60,000. R. Harrison, Beeville, engr.

Tex., Big Springs—Voted $60,000 bonds for paving various streets. Montgomery & Ward, Wichita Falls, engrs.

Tex., Eastland — Election soon $100,000 bonds improving business streets. Engineer not selected.

Tex., Plainview—Soon takes bids brick on 4 in. concrete paving 100 blocks various streets. $300,000. R. G. Carraway Co., Childress, engr.

Tex., San Angelo—Tom Green Co. plans election $150,000 or more bonds, hardsurfacing roads radiating from here. J. T. Mathison, San Angelo, engr.

Tex., San Antonio—Making preliminary plans widening 6 blocks Main St., from 50 to 80 ft. $450,000. I. Ewig, city engr.

Tex., San Diego—Duval Co. postponed date bids improving 13.33 mi. State Highway 12-A, Federal Aid Project 424-F, $90,-000, and 15.76 mi. State Highway 12-A, Federal Aid Project 424-E, $125,000. F. E. Hess, San Diego, engr. Noted July 16.

Tex., Uvalde—Uvalde Co. making plans bituminous surfacing 15 mi. State Highway 3, 16 ft. $27,000. M. B. Hodges, Uvalde, engr.

Tex., Weatherford—Parker Co. making plans grading, bridging and gravel surfacing 5.47 mi. State Highway 10, 18 ft. $76,-000. B. A. Davis, Ft. Worth, co. engr.

Mo., Joplin — Making preliminary plans bituminous macadam resurfacing and one course concrete paving 15 blocks Virginia, Sergeant and 2nd Sts., etc.

Mo., Lebanon—Making preliminary plans grading, curbing and concrete paving 16,-500 sq.yd. various streets. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs.

Mo., Lexington—Plans bituminous material coating on pressed brick surfacing 10 blocks various streets. To exceed $25,-000. G. C. Wright, city clk.

Mo., Springfield—Greene Co. received 1st installment $169,000 refund from State Hy. Dept., Jefferson City, and plans improving various roads.

Mo., University (St. Louis P. O.)—Making preliminary plans constructing streets, etc., in Subdivision Tract 2, at Midland and Jackson Blvds. $85,000. Pitzman Eng. & Surveying Co., 615 Chestnut St., St. Louis, engrs.

Ark., Conway—Making preliminary plans grading, curbing hard surfacing, etc., 40 blocks Paving Dist. 12.

Ark., Helena—Making preliminary plans grading, curbing and asphalt surfacing 33 blocks various streets. L. R. Parmelee, Helena, engr.

Okla., Cushing—Plans grading and paving 6,300 sq.yd. East Maple St. $25,000. T. E. Deardorff, Cushing, engr.

Okla., Enid—Plans grading, curbing and asphalt surfacing 27,000 sq.yd. and concrete surfacing 26,000 sq.yd. various streets. $186,000. F. C. McGruder, Enid, engr.

Okla., Oklahoma City—City rejected bids grading and paving 6 block Ave. F, 30 ft. $35,000. B. M. Hart, City Hall, engr. Noted June 11.

Okla., Oklahoma City—Plans grading and sheet asphalt paving 8,300 sq.yd. Penn, 22nd and Cross Sts. $51,200. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Making preliminary plans grading and paving California and Walker Aves., 7,200 sq.yd. vitr. brick and 1,850 sq.yd. sheet asphalt. $46,-300. B. M. Hart, City Hall, engr.

Okla., Lindsay—Defeated $72,000 bonds grading and paving 11 blocks Kiowa and Creek Aves. Project dropped. Noted June 25.

Okla., Tecumseh — Pottawatomie Co. plans election Sept. 5, to vote $750,000 bonds for improving various county roads. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Tonkawa—Plans grading, curbing and vertical fibre brick paving 6,100 sq.yd. 4th, North 8th Sts., etc. $27,000. J. P. Rickard, Ponca City, engr.

Calif., Los Angeles—Making plans 6 in. asphaltic concrete paving about 12 mi. portion Beverly Blvd., 40 ft. D. L. Reaburn, 515 Wilcox Blvd., Los Angeles, engr.

Calif., Los Angeles — Soon takes bids grading, curbing, guttering, sidewalks and paving 6 alleys, Larga Ave., Jean, Evergreen, Norval, St. Albans and Evanston Sts., Avenues 33 and 26. H. A. Van Norman, city engr.

Calif., Oroville—Butte Co. made plans concrete paving 3,224 lin.ft. portion Chico-Butte City Rd. 18 ft. H. H. Hume, Oroville, co. road engr.

Calif., Palo Alto—See "Sewers."

Calif., San Diego—Plans improving L St. between 9th and 32nd Sts., 4,399 cu.yd. excav., 2,743 lin.ft. curbing, 14,554 sq.ft. concrete sidewalk, 76,828 sq.ft. 2 in. on 5 in. concrete paving, 284,964 sq.ft. 1½ in. asphalt on 4 in. concrete paving; B St. between 18th and 22nd Sts., 2,142 cu.yd. excav., 10,064 cu.yd. embankment, 52,232 sq.ft. 5 in. concrete paving, 1,542 ft. concrete curbing, 5,526 sq.ft. concrete sidewalks; Juniper St., 2,716 cu.yd. excav., 1,709 ft. concrete curbing, 116,309 sq.ft. 2 in. asphalt on 5 in. concrete paving, 293 cu. yd. embankment, 8,519 sq.ft. concrete sidewalks. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving 15th St., between Balboa Park and N St., invol. 215,308 sq.ft. 1½ in. asphalt on 5 in. concrete paving, 1,390 sq.ft. 1½ in. asphalt surfacing, 7,875 sq.ft. concrete sidewalks, 1,936 lin.ft. curbing, etc. F. A. Rhodes, city engr.

Calif., San Luis Obispo—San Luis Obispo Co. plans constructing 17 mi. roadway in Coast Rd. Impvt. Dist. $75,000 or more.

Calif., Santa Rosa — Sonoma Co. made plans grading and concrete paving 2,047 cu.yd. road from Vineburg to Black Point, and portion of Petaluma Valley Ford Highway. $33,500. E. A. Peugh, Santa Rosa, co. surv.

Calif., Ventura—Ventura Co. plans concrete paving approximately 2 mi. Ojai-Santa Paula Rd. $40,000-$50,000. C. Petit, Ventura, co. surv.

Ont., Fort Frances—Soon takes bids cement paving various streets. $40,000. Prices wanted on materials. D. J. Gillon, city engr.

Ont., Peterboro—Plans bituminous concrete paving 8,000 sq.yd. various streets. $35,000. R. H. Parson, city engr.

Ont., Toronto—Plans grading and extending Union St. $72,000. R. C. Harris, city engr.

Ont., Tecumseh—Plans concrete paving Lesperance Rd. $55,000. Prices wanted on materials. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Windsor—Plans sheet asphalt on concrete paving Janet Ave. $38,000. A. Brian, City Hall, engr.

BIDS DESIRED

New Hampshire — Aug. 7, by F. E. Everett, comr. State Hy. Dept., State House, Concord, bituminous macadam surfacing 0.89 mi. highway in Plymouth, Federal Aid Project 204-B; and cut stone and concrete piers and abutments in Newfields-Stratham.

Massachusetts — Aug. 11, by Dept. Pub. Wks., Boston, bituminous macadam surfacing 4,010 ft. highway in Rockport, 6,264 ft. highway in Orange, 1,874 ft. highway in Avon and cement concrete and bituminous concrete surfacing 5,425 ft. highway in Arlington. W. F. Williams, comr.

N. Y., Brooklyn—Aug. 12, by J. A. Guider, pres. Boro Hall, regulation and asphalt on concrete paving, Colonial Rd., Atkins, New York, Grand, Livonia, 7th, 8th, 12th, 17th, 19th, Aves Ave. T, 89th, 90th, 34th, 31st, granite block paving Blake Ave. Portal St., grading, curbing and flagging, etc. East 29th, 31st, 39th, 47th, Sts., Avenues P and T, 12th and 17th Aves.

N. Y., Long Island City—Aug. 10, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, etc., Rockaway Blvd., 59th Pl. and 59th St.; grading and curbing Rockaway Blvd. Welling and Fremont Sts.; recurbing Washington Ave.

N. Y., St. George—Aug. 12, by J. A. Lynch, pres. of Boro Richmond, Boro Hall, bituminous concrete repaving, roadway of Richmond Ave.

Pennsylvania — Aug. 11, by State Hy. Dept., Harrisburg, **(R. means Route and A. Application)**, one course rein.-con. paving 5,469 ft. R. 123, Strabare-Cumberland Rd. Adams Co., 17,109 ft. R. 189, Sect. 1 and R. 66, A. 3029, Rayburn-Kittanning Rd. Armstrong Co., 37,189 ft. R. 212, Sects. 3 and 8, Burlington-North Towanda Rd. Bradford Co., 21,384 ft. R. 17, Sect. 6, Dushore B-Albany-Cherry Rd., Bradford and Sullivan Counties, 21,600 ft. R. 150, Bensalem Rd. Bucks Co., 10,350 ft. R. 142, Sect. 4, Eastown-Tredyffrin Rd. Chester Co., 9,152 ft. R. 139, Hummelstown Rd. Dauphin Co., 8,811 ft. R. 163, Slatington-Washington Rd. Lehigh Co., 9,958 ft. R. 199, Sect. 2, Tremont-Reilly Rd., Schuylkill Co., and 10,-546 ft. R. 25 Spur, Monroe-Union Rd. Snyder and Union Counties; bituminous on concrete or one course concrete surfacing 1,910 ft. A. 3414, Mill Creek Rd., Erie Co.; bituminous on broken stone, bituminous surfacing course, Spec. "E" on broken stone, or one course rein.-con. paving 3,544 ft. A. 3463, Heidelberg Rd. Berks Co., and 8 in. compressed stone 2 in. amiesite surfacing 13,610 ft. A. 3217, Coal Rd., Northumberland Co. P. T. Wright, secy.

Pa., Ebensburg—Aug. 17 by Comrs., Cambria Co., and J. M. Hoffman, controller, Court House, reconstructing Upper Yoder Twp. Rd., 436 cu.yd. concrete, 1530 sq.yd. brick on concrete paving and 4525 cu.yd. excav., etc. L. R. Owen, Court House, co. engr.

Pa., Uniontown—Aug. 17 by E. Huston, controller, Fayette Co., one course rein.-ocn.., paving 750 ft., various streets also 45 ft., rein.-con., span bridge in Redstone Twp.; 9,700 ft., one course rein.-con. and 800 ft. bituminous macadam paving various streets in Connellsville and Upper Tyrone Twps.; 2,485.7 ft. various streets in Wharton twp.

Delaware—Aug. 19, by State Hy. Dept., Dover, constructing 2 mi. Contr. CS37, 1.4 mi. Contr. CS41, 2.89 mi. Contr. CS42, 0.32 mi. Contr. CS43, and 1.1 mi. Contr. CS44; adv. E. N.-R. Aug. 16.

Maryland—Aug. 18, by State Rds. Comn., Baltimore, concrete paving 0.54 mi. state road through Chesapeake City, Cecil Co., Contr. CE-49. $20,000. J. N. Mackall, Garrett Bldg., Baltimore, chn. comm.

Md., Baltimore—Aug. 12, by Bd. Awards, improving various streets, Contr. 295-NA. S. Purcell, City Hall, hy. engr.

West Virginia — Aug. 24, by State Rd. Comn., Charleston, grading, gravel surfacing, etc., 5.15 mi. Kanawha-Marmet Rd., Project 3295, Kanawha Co., $100,000, H. R. Anderson, Charleston, engr.; grading, etc., 0.5 mi. Main St. of Matoake, Project 3093, Mercer Co., $12,000, H. P. Spelman, R. and P. Bldg., Huntington, engr., 4.2 mi. Belva-

Streets and Roads (Continued)

Swiss Rd, Project 3181, Nicholas Co., $50,000, H. R. Anderson, Charleston, engr., 6 mi. Franklin-Riverton Rd., Project 3175-C, $80,000, and 5.1 mi. Franklin-Monterey Rd., Project 3213, $80,000, both Pendleton Co., B. E. Gray, Keyser, engr., 4.5 mi. Scarvy-Winfield Rd., Project 3350, $33,000, 4 mi. Country Club-Poca Rd., $30,000, and 4 mi. Plymouth-Red House Rd., Project 3247, $40,000, all Putnam Co., R. J. Spelman, R. & P. Bldg., Huntington, engr., 5.4 mi. Parsons-Elkins Rd., Project 2111-C, Randolph Co., $60,000, B. E. Gray, Keyser, engr., 5 mi. Ellenboro-Pleasants Co. line Rd., Projects 3265 and 3267, Ritchie Co., $60,000, H. E. Snyder, Parkersburg, engr.; bituminous macadam surfacing 1.5 mi. Coalton-Mabie Rd., Project 3212, Randolph Co., $32,000, B. E. Gray, Keyser, engr.; all above roads 18 ft. wide.

Fla., Bartow—Aug. 25, by Comrs. Polk Co., asphalt on clay or lime rock paving approximately 30 mi. Roads 1 to 14 inclusive, in Dist. 12. $733,000. J. D. Raulerson, clk.

Fla., Tampa—Aug. 18, by City Comrs., curbing and 2½ in. asphalt block on 6 in. rock paving portions of 27th Ave., Osbow, Citrus, Bailey, Emily and Cherokee Sts., etc. $40,000. R. D. Martin, City Hall, engr.

Ala., Mobile—Sept. 3, by Bd. City Comrs., sheet asphalt, warrenite bitulithic, over course concrete and asphaltic concrete paving etc. various streets. W. Smith, city engr.; adv. E. N.-R. Aug. 6.

Louisiana—Aug. 25, by State Hy. Comn., Reymond Bldg., Baton Rouge, 7.22 mi. in Washington Parish, between Franklinton and Amite, Tangipahoa Parish; 11.79 mi. Leesville-Many Hy., Vernon Parish; 3.31 mi. Chacahoulm-Gibson Hy., between Thibodaux and Morgan City, Tarrebomme Parish, 4.2 mi. Evangeline Hy., Jefferson Davis Parish, 3.03 mi. Church Point-Opelousas Hy. Acadia Parish. W. B. Robert, state hy. engr.

Louisiana—Aug. 26, by State Hy. Comn., Reymond Bldg., Baton Rouge, 15.4 mi. road from Mer Rouge through Oak Ridge to Lake Lafourche, Morehouse Parish. W. B. Robert, state hy. engr.

La., DeRidder—Aug. 10, by Police Jury Beauregard Parish, 10 mi. road. D. W. McFaulter, secy.

Tennessee—Aug. 28, by State Hy. Dept., Nashville, grading, graveling, concrete paving and bridging, roads in various counties. Adv. Engr. N.-R. Aug. 6.

O., Cleveland—Aug. 8 by Comrs., Cuyahoga Co., repairing Cook Rd., $24,975. F. Lander, Court House, engr.

O., Cleveland—Aug. 12 by City, paving, Larchmont Rd. N. E. Macomb, Manor and Park Aves. S. E., Melville Rd., N. E., Natchez Ave. S. W., Norway Ave. N. W., Parkgrove Ave. N. E., Pilgrim Ave. N. W., and Triskett Rd. N. W. R. Hoffman, engr.

Ind., Crown Point — Aug. 10, by C. K. Wallace, engr., Crown Point, concrete paving 1.9 mi. Carl Rd., $51,000, and 2.1 mi. Wise Rd., $55,500, both 18 ft., for Lake Co. Noted July 30.

Ind., Goshen—Aug. 7, by C. L. Kinney, engr. Goshen, concrete paving 4,450 ft. Schrack Rd., $25,625, and graveling 3 mi. Mishler Rd., $29,549, both 24 ft., for Elkhart Co. Noted July 30.

Ind., New Albany—Aug. 13, by M. M. Boland, engr., New Albany, concrete paving 7,433 ft. Ball Knob Rd., 18 ft., for Floyd Co. $27,470. Noted July 30.

Ind., Sullivan—Aug. 7, by City Engineer, asphalt paving 1 mi. Washington St. from Main to Jackson Sts. $37,000. Noted July 30.

Ind., South Bend—Aug. 7, by F. G. Anderson, city engr., asphalt paving 0.7 mi. William and Diagonal Sts. $30,000. Noted July 30.

Ind., South Bend—Aug. 7, by P. R. Gillin, engr., South Bend, grading and graveling 2.7 mi. Ironwood Rd., 24 ft., for St. Joseph Co. $27,200.

Ind., Williamsport — Aug. 7, by J. R. Gregory, engr., Williamsport, graveling 13,322 ft. Salts Rd., 24 ft., for Warren Co. $25,000. Noted July 30.

Michigan—Aug. 13, by State Hy. Dept., at office Comrs. Keweenaw Co., gravel surfacing 11 mi. State Trunk Line Rd. 51-21, G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 14, by State Hy. Dept. at office Comrs. St. Clair Co., Port Huron, concrete paving 1.636 mi. Trunk Line Rd. 19-24 A and C. G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 14, by State Hy. Dept. at office Comrs. Ogemaw Co., West Branch, graveling 1.988 mi. Assessment Dist. Rd. 8, G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 19, by State Hy. Dept. at office Comrs. Ionia Co., Ionia, grading 6.956 mi. Trunk Line Rd. 43-2B. G. C. Dillman, Lansing, ch. engr.

Ill., Chicago—Aug. 11, by West Chicago Park, Comn., J. J. McComb, secy., grading, curbing and sheet or Kentucky rock asphalt paving Division St. through Humboldt Park from Kedzie to Sacramento Aves.; also electric lights, traffic signals, etc.

Ill., Kewanee—Aug. 10, by Bd. Impvts., grading, curbing, granite on concrete, rein.-con., brick or Warrenite Bitulithic paving, etc., 9 blocks Division, Henry, Vine and Rockwell Sts. $40,000. J. G. Palmer, City Hall, engr. Noted July 2.

Ill., Maywood—Aug. 15, by City, concrete surfacing various streets. $190,000. E. Hancock, 2047 Ogden Ave., Chicago, engrs.

Wisconsin—Aug. 12, at Div. Office 5 of State Hy. Comn., Madison, improving 4.45 mi. Black River Falls-Augusta-Eau Claire Rd., Federal Aid Project 395-B, 18 acres clearing, 5,550 lin.ft. intercepting ditch, 37,601 cu.yd. earth excav., 1,650 cu.yd. solid rock excav., 22,947 cu.yd. borrow, 10,515 cu.yd. shale surfacing, etc.; also constructing Merrillan Bridge, Sta. 472, one 70 ft. steel girder span, on Black River Falls-Augusta-Eau Claire Rd., Federal Aid Project 395-A, Atwater bridge on Sparta-La Crosse Rd., Federal Aid Project 397-A, La Crosse Co. and Blacksmith Ship Bridge, Sta. 23 plus 94. J. T. Donaghey, Madison, highway engr.

Wis., Manitowoc—Aug. 14, by A. H. Zander, city clk., various types including concrete paving 14th, 17th, 6th, 21st, 25th and Pine Sts. To exceed $25,000.

Minnesota—Aug. 10, by State Hy. Dept., St. Paul, grading, concrete or asphaltic concrete paving, etc., Dellwood-Wildwood Rd., joint project of Ramsey Co., Dellwood Village and town of Lincoln, Div. A, 20,212 sq.yd. paving Div. B, 18,850 sq.yd., and Div. C, 20,956 sq.yd. $197,000. P. N. Coates, 900 Guardian Life Bldg., St. Paul, engr. Noted July 30.

Neb., Papillion—Aug. 14, by J. E. Strawn, Clerk Sarpy Co., improving 10.5 mi. Bellevue Precinct, 71,778 cu.yd. earth, and 398 cu.yd. special excav., 70,000 cu.yd. overhaul, 68,719 sq.yd. 3 in. gravel surfacing, etc. in Sect. 1 and 18,000 cu.yd. earth and 100 cu.yd. special excav., 7,000 cu.yd. overhaul, 14,300 sq.yd. 4 in. and 16,400 sq.yd. 3 in. gravel surfacing, etc. in Sect. 2; also 2.6 mi. in La Platte Precinct, 20,259 cu.yd. earth and 311 cu.yd. special excav. 20,000 cu.yd. overhaul, 27,700 sq.yd. 3 in. gravel surfacing, etc. J. D. Gavenman, Papillion, engr. Noted May 28.

North Dakota—Aug. 13, by State Hy. Comrs., and Bd. Comrs., Grand Forks Co., at Court House, Grand Forks, **(F.A.P. means Federal Aid Project)** graveling etc. 11.204 mi. F.A.P. 131A-B north and south through Inkster; 9.439 mi. F.A.P. 117-A, from Larimore north; 12.897 mi. F.A.P. 217 A and B east of Niagara; and 0.417 mi. F.A.P. 246 A, in Larimore.

North Dakota—Aug. 14 by State Hy. Comn. and Bd. Comrs., Foster Co., at Court House Carrington, surfacing etc., 6.006 mi. Federal Aid Project 101, from Carrington west; 9.183 mi Federal Aid Project 151 from Carrington south east.

Tex., Hondo—Medina Co. taking bids 1 in. rock asphalt surfacing 11.55 mi. State Highway 5, $74,000 and 1 in. brick surfacing 98,620 sq.yd. various roads, $60,750. Walton & Arneson, Gunter Bldg., San Antonio, engrs.

Tex., San Antonio—Boxer Co. taking bids bituminous macadam surfacing 8.16 mi. State Highway 24. $79,180. A. C. Pancoast, co. engr.

Oklahoma—Aug. 10, by State Hy. Dept., Oklahoma City, grading and gravel surfacing 28,600 sq.yd. Altus Blair Rd., 30 ft. Jackson Co. $30,000. J. M. Page, highway engr.

Oklahoma—Aug. 10, by State Hy Dept., Oklahoma City, concrete slab surfacing 32,576 sq.yd. Shawnee-Tecumseh Rd., $77,000; and 65,050 sq.yd. Blackwell-Tonkawa Rd., $160,000, both Kay Co., J. M. Page, highway engr.

Okla., Oklahoma City—Aug. 11, by M. Peshek, city cl., grading and sheet asphalt surfacing 5,600 sq.yd. East 16th and Lottie Sts. $32,000. B. M. Hart, City Hall, engr. Noted July 2.

Colorado—Aug. 12, by State Highway Dept., Denver, grading and graveling 5.587 mi. Federal Aid 258-C, west of Gunnison on State Hy. 6, Gunnison Co., 91 acres clearing and grubbing, 39,600 cu.yd. common and 15,400 cu.yd. rock excav., 53,000 sta. yds. overhaul on excav. and borrow, 5,000 cu.yd. gravel surfacing and 1,700 cu. yd. borrow excav., grading, Federal Aid 297-A, extending easterly toward DeBeque from a point about 2 mi. east of Palisade, Mesa Co., 15 acres clearing and grubbing, 24,500 cu.yd. common, 15,700 cu.yd. rock, 7,800 cu.yd. common borrow and 2,200 rock borrow excav. L. D. Blauvelt, State Office Bldg., engr.

Colo., Denver—Aug. 11 by Dept. Impvts. and Parks, asphalt paving 12 blocks South Capitol Hill Paving Dist. 8, $40,000, and 12 blocks in Dist. 4, $40,000. A. K. Vickery, City Hall, engr.

Colo., Denver—Aug. 12 by Dept. Impvts. and Parks, asphalt paving 12 blocks South Capitol Hill Paving Dist. 9, $40,000, and 12 blocks on Dist. 31, $40,000 A. K. Vickery, City Hall, engr.

Colo., Denver—Aug. 13, by Dept. Impvts. and Parks, asphalt paving, 12 blocks West Denver Paving Dist. 10, $58,000. A. K. Vickery, City Hall, engr.

Washington—Aug. 18, by State Hy. Dept., Olympia, clearing, grading, gravel or crushed rock surfacing 1.3 mi. Wilbur Hill Rd. State Rd. 4, Lincoln Co. 5 mi. Hoodsport—Lilliwaup Rd. State Rd. 9, Mason Co., 4.5 Mi. Riverside-Tonasket Rd., State Rd. 10, Okanogan Co., also redecking approaches to bridge over Humptulips River, State Rd. 9, near Humptulips, Grays Harbor Co. J. W. Hoover, highway engr.

Wash., Seattle — Aug. 18, by Bd. King Co. Comrs., headers, drainage ditch, concrete road approaches, etc., 1.08 mi. Endolyne Highway, 18 ft. T. R. Beeman, 602 37th St., engr.

Calif., San Rafael—Supervs. Marin Co. taking bids grading, curbing, guttering and Willite asphaltic concrete paving 76,844 sq. ft. roads in Road Dist. 11. J. C. Oglesby, San Rafael, co. surv. Noted July 2.

Quebec—Aug. 11, by J. L. Boulanger, deputy minister Hy. Dept., Quebec, graveling 14.9 mi. Montreal-Hull Highway, 20 ft. $45,000.

Ont., Birch Cliff—Aug. 10, by W. D. Annis, clk. Scarboro Twp., 1361 Kingston Rd., Toronto, bituminous concrete paving, etc., 14,000 sq.yd. Victoria-Park Ave. $50,060. C. E. Fraser, 1361 Kingston Rd., Toronto, engr.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 4,000 ft. highway in Westborough, from J. Koster, Cambridge Rd., Woburn, $20,712, 9,493 ft. highway in Wrentham, from T. J. Quinn, 101 Menden Rd., Ashton, R. I., $86,790; rein.-con. paving 4,590 ft. highway in Taunton, from Powers Bros., 161 Montello St., Brockton, $51,689; bituminous concrete paving 3,950 highway in Halifax, from O. T. Mann, South Hanover, $11,641, 1,592 ft. highway in Ayer, from Simpson Bros. Corp., 77 Summer St., Boston, $5,720; and gravel surfacing and 3 concrete bridges on 1,050 ft. highway in Conway, from F. F. McCarthy, 42 Fairmont Ave., Newton, $84,578. Noted July 23.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving in Adams St., here, from M. F. Graddis, 6 Beacon St. sheet asphalt $44,771, bitulithic $43,971. Noted July 23

Mass., Quincy (Boston P. O.) — Metropolitan Dist. Comn., 1 Ashburton Pl., improving Furnace Brook Parkway, 3,000 cu. yd. excav., 1,000 cu.yd. filling, 7,000 lin.ft. granite edgestones, 5,000 tons crushed stone, 300 tons sand or stone dust and 30,000 gal. asphalt, from E. C. Sargent, 149 Putnam St., $40,070.

New York—A. W. Brandt, Comr. Highways, Albany, 16.3 mi. Contr. 1699 and 5701, Conduit Blvd., Nassau Co. from the A. A. Johnson Corp., West Ave., Long Island City, $562,987. Noted July 16.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, July 29 from F. Persicano, 350 Fulton St., grading, curbing and flagging Church Ave. $26,568, East 28th St. $2,035, East 35th St. and Cortelyou Rd. $2,099; from W. J. McHale Contg. Co., 1250 Jefferson St., East 34th St. $2,675, 91st St., Ridge Blvd. and 3rd Ave. $2,050, from Castle Bros., Inc., Johnson Pl., Kings Hi hway, $5,926, from Grimm Contg. Co., 170 McKinley St., Rutland Rd. $3,240, 8th Ave. $1,505; from Uvalde Asphalt Paving Co., Bway., New York City, asphalt paving 38th St. $6,145, Union St. $5,473, East 28th St. $5,572, East 34th St. $7,613, East 35th St. $3,975, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Marine Ave., $30,801, Quentin Rd. $3,355, W st 10th St. $23,650, 14th Ave. $49,663, 51st St. $11,496, 62nd St. $7,398, Ft. Hamilton Parkway $6,356, 82nd St. $6,990, 91.t St. $7,025, from B. Turecamo Contg. Co., 8706 Bay 12th St., 65th St. $26,699, from R. Lynster, 364 Sterling Pl., recurbing and granite block paving Rochester Ave. $13,703, from Leonard Paving Co., 233 Bway., New York City, Van Brunt St. $140,336; from C. Bennett Contg. Co., 414 Rutland Rd., grading strip on West 8th St. $2,713, from Hastings Pavement Co., 25 Broad St., New York City, asphalt block resurfacing 22nd St. $5,180. Noted July 23.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Aug. 3, from Welsh Bros. Contg. Co., 32 Queens St., Astoria, granite block paving,

Streets and Roads (Continued)

etc., Anable Ave. $83,738, from Carberry Block Corp., 45 South 9th St., Brooklyn, sidewalk space on Kindred St. $1,667, from from C. H. Georgi, 15 Ely Ave., grading sidewal kspace on Kindred St. $1,667, from O'Brien & Kurth, Inc., grading, curbing and sidewalks Rockaway Blvd., $59,270, from Cranford Co., 52 9th St., Brooklyn, 88th Ave. $5,198, 108th St. $17,083, 122nd St. $15,225, Hooker St. $14,137. Noted July 30.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, July 28, grading Cleve Ave., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $18,860; temporary sewer in McFarland Ave., from Fiorini & Trafaglia, $3,690. Noted July 23.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro., Boro Hall, Aug. 3, grading, paving, etc., Potter Ave. from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $91,735, sewer in Hyland Blvd., etc., from J. Caruselle, $3,976. Noted July 30.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., July 30, asphalt block paving East 163rd St., from L. Di Minna, 2366 Lorrilard Pl., $30,767; grading, curbing sidewalks, etc., on Radcliffe Ave., from Gaffney Constr. Co., 50 East 42nd St., $48,792; sheet asphalt paving Webb Ave. and bituminous concrete paving 206th St., from Interboro Asphalt Co., 2306 Creston Ave., $10,998 and $11,993 respectively; bituminous concrete paving East 179th St., from Brusstar Constr. Co., Harlem River and 150th St., $12,967; sewers in White Plains Rd., from F. Spedero, 827 East 217th St., $7,460, in Baychester Ave., from F. Gabrielle, 1129 8th Ave., $4,982. Noted July 23.

N. Y., New York — Park Bd., at office Dept. Parks, 64th St. and 5th Ave., July 30, repaving main road Southern Blvd. at entrance to Bronx Park, from Asphalt Constr. Co., 208 Bway., $181,035; concrete curbing Dyckman St. Park, from Brusstar Constr. Co., Harlem River and 150th St. $6,613, granite balustrade, from Coliseum Cast Stone Co., Inc., Walton Ave. and East 173rd St. $21,225; asphalt mastic paving roadway around Tompkins Sq. Park, from Sicilian Asphalt Paving Co., 41 Park Row, $5,000. Noted July 23.

New Jersey—State Hy. Dept., Trenton, July 27, graveling 44,447 sq.yd. Route 7, Sect. 5, road from Jerseyville to Freehold, Monmouth Co., from W. Eisenberg, Smith Austermuhl Bldg., Camden, $216,096. Noted July 9.

New Jersey — Freeholders Burlington Co., Mt. Holly, asphalt paving 18,666 sq.yd. Branch Pike, from Union Paving Co., 30th and Locust Sts., Phila., Pa. $48,384; 4,300 sq.yd. Crosswicks St. in Bordentown, from Barrett Paving Co., 139 Hoffman Ave., Trenton, $29,605. Noted July 16.

N. J., Basking Ridge—Freeholders Somerset Co. (Somerville), July 23, improving road from Blazures Corner to Henry St., here, from Osborne & Marcellus, Bellevue Ave., Upper Montclair, $48,821.

N. J., Camden—State Hy. Comn., Trenton, constructing Delaware River Bridge Entrance Rd., Sect. 1, from 11th St., to Cooper River, from McLean Constr. Co., 1414 Fidelity Bldg., Baltimore, Md. $520,348. Noted July 23.

N. J., Monmouth Beach — Freeholders Monmouth Co., July 22, placing 10,500 tons rock stone to protect Ocean Blvd., from T. Proctor, Long Branch, $37,875.

Pennsylvania—Dept. of Highways, Harrisburg, July 24 **(R. means Route and A. means Application)**, from Paul Constr. Co., Inc., Cresson, one course rein.-con. paving 13,508 ft. R. 221, Sect. 3 Cambria Co., $103,412, 20,818 ft. R. 47, Sect. 1 Blair Co., $190,881, 31,826 ft. R. 222, A. 2815, Bedford Co., $318,679, from D. L. Dennis Co., Smethport, 26,925 ft. R. 241, Sect. 2 Bradford Co., $365,770, from A. R. Cooper, Idamar, 1,681 ft. R. 79, Butler Co., $19,012, from M. J. McMahon, Brookville, 7,565 ft. R. 347, A. 3145, Beaver Co., $71,708; from Freeland Constr. Co., Amer. Bank Bldg., Hazelton, bituminous surface course on concrete or one course rein.-con. paving 3,460 ft. R. 162, Sect. 1-A, Schuylkill Co., $48,697, from F. L. White Co., Warren, Pa., 1,763 ft. R. 271, Crawford Co., $22,492, from Dalton Bros., Paoli, 15,414 ft. R. 157, Sect. 3, Lehigh Co., $130,359, from Bennett-Randall Co., Lebanon, grading, etc., 11,193 ft. R. 169, Sect. 2, Luzerne and Monroe Counties, $63,296, from W. M. Mosor, 121 North Oak St., Mt. Carmel, 12,866 ft. R. 169, Sect. 2, Luzerne Co., $41,762. Noted July 9.

Maryland—State Roads Comn., Baltimore, concrete paving 2 mi. Contr. M-57, Montgomery Co., from Loomis-Wetzel Co., 1125 14th St., Wash., D. C., $58,079.

Virginia — State Hy. Comn., Richmond, July 23, improving 2.959 mi. Route 35, Project F-145-E, Prince George Co., incl. 30 ft. beam span bridge over Second Swamp, from Allport Constr. Co., Grace-Amer. Bldg., Richmond, $100,275, 2.299 mi. Route 36, Project F-167-E, Clarke Co., from W. H. Clark & Co., Charlottsville, $74,684; 1.505 mi. Route 11, Project F-344-C, Wise Co., from W. H. Meadows, Coeburn, $39,455. Noted July 16.

W. Va., Wheeling—Ohio Co. grading, paving, and retaining walls in Chapline St. extension, from R. A. Holderman, 2221 Chapline St., $124,212.

North Carolina — State Hy. Comn., Raleigh, from Zeigler Bros., Greensburg, grading and concrete or asphalt paving 5.73 mi. roads in Franklin Co., $155,044, 8.19 mi. in Hyde Co., $150,648, 2.35 mi. in Randolph Co., $61,426, 3.07 mi. in Cabarrus Co., $113,013, from F. J. McGuire, Norfolk, Va., Bankers Trust Bldg., 1.76 mi. in Washington Co., $276,004, from R. G. Lassiter & Co., Raleigh, Citizens Bank Bldg., 6.49 mi. in Granville Co., $195,520, from Wilson Constr. Co., Rutherfordton, 9.4 mi. in Rutherford Co., $275,947, from W. H. Anderson Constr. Co., Marion, clearing, grading, etc., 7.86 mi. in Yancey Co., $73,848, from Albert Bros., Shawsville, Va., 12.07 mi. in McDonell Co., $276,939, from F. J. Mulligan Constr. Co., North Wilkesboro, 10.5 mi. in Robeson Co., $50,532, from N. L. Teer, Durham, 7.72 mi. in Jones Co., $57,737, from J. A. Marrow, Clarksville, Va., clearing, grading and top soiling 13.73 mi. in Hoke Co., $56,210. Noted July 9.

Florida—State Road Dept., Tallahassee, July 21, clearing, grubbing and grading 7.47 mi. Project 586, Jackson and Washington Counties, from Gillis Constr. Co., St. Augustine $36,152, 45,421 cu.yd. Project 595, Volusia Co., from J. L. Hunter, Madison, $25,802; grading and sheet asphalt paving 62,010 sq.yd. Project 613, Sarasota Co., from Southern Paving & Constr. Co., Leesburg, $254,871. Noted July 2.

Miss., Yazoo City—Bd. Supervs. Yazoo Co., improving 3.317 mi. Federal Aid Projects 64-A and 68-B, 18 ft., from Morrow & Beach, Yazoo City, $44,976. Noted July 2.

La., Shreveport — Paving Norman Ave., Wyandotte and Laurel Sts., from Southern Roads Co., 104 North 17th St., Birmingham, Ala., $27,493. Engrs. est. $30,000.

O., Cincinnati—Director Pub. Service, granite block paving, etc., 7,000 sq.yd. Carr St., from Foley Constr. Co., Boudinot Ave., $81,280, engrs. est. $95,556; 8th St., from Byrnes Conway Co., Jazen Bldg., $80,380, engrs. est. $90,593. Noted July 2.

Michigan—State Hy. Dept., Lansing, surfacing 2.257 mi. Federal Aid Project 203 A, Van Buren Co., and 2.286 mi. Trunk Line Rd. 13-10C, St. Joseph Co., from H. C. Nelson, Muskegon, $49,625 and $57,724 respectively

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, July 6, from Casey Constr. Co., Casey, concrete surfacing 6.63 mi. Route 2, Sect. 53, De Witt Co., $122,053 1½% deduction for personal bond, from J. L. Wells Co., Rock Island, 1.03 mi. Route 31, Sect. 16-A, Fulton Co., $20,000 1% deduction for personal bond; from J. H. Goodelink, Lawrenceville, 34,364 ft. guard fence on Routes 1 and 12, Sects. 16-G and 9-G, Lawrence and Clay Counties, alternate A, (wooden posts, 2 x 6 and 4 x 4 rails) $12,700, from Morris & Daugherty, 514 Globe Bldg., St. Paul, Minn., alternate C, (wooden posts and wire cable) $13,731, alternate B, (wooden posts and 3 x 6 rails) $14,075, alternate D-1, (wooden posts and galvanized wire mesh galvanized before weaving) $20,254, from F. D. Anderson, Beecher City, alternate D-2, (wooden posts and wire mesh, galvanized after weaving) $19,567. Noted July 2.

Wis., Milwaukee—Bd. Pub. Wks., July 20, concrete paving 3 alleys, from F. Hilderbrand, 1042 23d Ave., $25,306; one alley each, from C. H. Slattery, 584-71st Ave. $3,365, from A. E. Retzlaff, 868 Island Ave., $1,364; resurfacing Teutania Ave. from Ring to Nash Sts., from Badger Constr. Co., 97 Wisconsin St., asphalt, $16,598; Montana St. from 4th to 8th Aves., from R. H. Gumz, 831-13th Ave., one course concrete, $18,936, from W. H. Hunt, 405 Bway., vibrolithic concrete, $18,182. Noted July 16.

Ia., Sioux City—City, improving 22.973 sq.yd. West Riverside Ave., from Western Asphalt Paving Corp., 1st and Nebraska Sts., 7 in. rein.-con. with 9 in. asphalt at sides at $2.11 per sq.yd. 7 in. and 9 in. reinforced vibrolithic at $2.38 per sq.yd. Noted June 11.

Ark., Little Rock—City, grading, curbing and hardsurfacing various streets in Paving Dist. 413, from G. Garms, 429 Scuthern Trust Bldg., 6 in. concrete $21,205, 6 in. concrete and combination curbing $22,241. Noted July 9.

Tex., Anson—Jones Co., July 17, grading, etc., 17.8 mi. State Highway 93, State Aid Project 606, incl. 45,777 lb. reinforcing, etc., and 15.27 mi. State Highway 18, Federal Aid Project 477-C, incl. 136,616 lb. reinforcing, etc., from Thomas & Ratliff, Rogers, $36,088 and $53,397 respectively. Engrs. est. $45,927 and $72,960 respectively. Noted July 9.

Texas, Cleburne—Johnson Co., July 17, 1 in inverted penetration bituminous on water binding surfacing 158,467 sq.yd. State Highway 2, Federal Aid Project 20-B, and 115,866 sq.yd. State Highway 2-E, Federal Aid Project 330, from Fuller Constr. Co., Western Indemnity Bldg., Dallas, $76,233, and $60,198 respectively. Engrs. ests. $85,000 and $70,000 respectively. Noted July 9.

Tex., Gonzales — Gonzales Co, July 14, clearing, grubbing, grading, bridging, etc. 8.08 mi. State Highway 8, Federal Aid Project 440-D, 26 ft., 24,955 lb. reinforcing, etc., from J. W. Goodrum, Sequin, $21,998, engrs. est. $28,560, 10.88 mi. State Highway 81, Federal Aid Project 440-E, 26 ft., 143,440 lb. reinforcing, etc., from W. E. Sanders, Hallettsville, $63,453, engrs. est. $78,088. Noted July 2.

Tex., Houston—City, surfacing Calumet Dr. from Chenervert St. to Riverside Terrace, from Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $27,016.

Okla., Moldenville—Grading and concrete paving 9,200 sq.yd. South Echo St., from Dougherty, Nicholas, Wiggins, Manhattan Bldg., Muskogee, $28,142. Engrs. est. $30,000.

Colo., Denver—Dept. Impvts. & Parks, grading, curbing and surfacing 1.25 mi. South Denver Impvt. Dist. 19, from W. F. Pigg & Son, Tramway Bldg., $145,074. Engrs. est. $206,095. Noted July 9.

Colo., Denver—Dept. Impvts. & Parks, July 16, grading, curbing and surfacing 79,000 sq.yd. South Denver Impvt. Dist. 20, from Lawrence Constr. Co., 1041 Galapago St., $126,557. Engrs. est. $169,467. Noted July 9.

California — State Hy. Comn., Sacramento, July 20, grading and surfacing 25.7 mi. road from Victorville to Hicks, San Bernardino Co., from H. G. Fenton, Dewey St., San Diego, $156,196. Engrs. est. $153,215. Noted July 9.

Calif., Glendale—From B. R. Ford, 407 West 17th St., Santa Ana, improving San Fernando Rd., etc. 1,468,976 sq.ft. grading at $0.02 per sq.ft., 1,259,520 sq.ft. 8 in. concrete paving at $0.203 etc., total approximately $333,500. Noted July 16.

Calif., Long Beach—Curbing, guttering and paving West Anaheim St., from Wells & Brassler, 3 California Bldg., Santa Ana, $133,312, engrs. est. $133,000; curbing, guttering, sidewalks and paving Atlantic Ave., from Griffith Co., 502 Los Angeles Ry. Bldg., Los Angeles, $117,414 engrs. est. $116,000; curbing, sidewalks, and paving Cerritas Ave., from H. T. Brown, 54 South Bennet St., $2,769, engrs. est. $2,600. Noted July 30.

Calif., Los Angeles — Grading, curbing, guttering and 43,252 sq.ft. asphaltic concrete paving Laural Canon Rd., from R. A. Wattson, 1026 McCadden Pl., $18,293. Engrs. est. $19,128.

Calif., Los Angeles — Los Angeles Co., curbing, guttering, sidewalks and concrete paving 1,000 ft. Hammel St., also Co. Impvt. Dist. 103, from G. D. Nichols, P. O. Box 572, Inglewood, $4,416 and $18,255 respectively.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks, and 4 in. concrete paving 83,386 sq.ft. Griffin Ave., from Hall Johnson Co., 3025 Fowler St., $34,507; grading sidewalks and 6 in. concrete paving 155,473 sq.ft. Utah Ave., from Baker & Vigus, 583 I. W. Hellman Bldg., $48,172; grading, sidewalks, and 5 in. concrete paving 400,065 ft. Van Ness Ave., from Warren Constr. Co., Citizens Natl. Bank Bldg., $16,816.

Calif., Oakland—Supervs. Alameda Co., July 20, 2 in. on 4 in. asphaltic concrete paving 5 mi. road from Sunol to Pleasanton, from Northern Paving Co., Richmond, $156,621; 1½ in. Willite on 3½ in. asphaltic concrete paving above road from A. J. Crocker Co., 58 2nd St., San Francisco, $160,319.

Calif., Redwood City—San Mateo Co., from Union Paving Co., Call Bldg., San Francisco, improving Wallbridge St., San Bruno Ave., etc. (Dimond Shore Tract), 9,500 cu.yd. grading at $0.85 per cu.yd., 9,560 ft. concrete curbing and guttering $0.85, 590 ft. armored curb $0.85, 216,900 sq.ft. 2 in. Durite asphaltic concrete on 6 in. waterbound macadam paving $0.85, total approximately $68,715. Noted July 2.

Streets and Roads (Continued)

Calif., Santa Monica—From Kneen Paving Co., 216 Dudley Blk., improving about 13 streets in Fairview Heights Dist., 20,152 ft. curbing at $0.50 per ft., 294,546 sq. ft. Warrenite bitulithic paving $0.19, 62,438 sq.ft. 4 in. concrete base $0.22, 697,040 sq. ft. oil and rock paving $0.78., etc., total $270,926.

Calif., Southgate — From G. R. Curtis Paving Co., 2440 East 26th St., Los Angeles, improving California Ave., 221,490 sq. ft excav. at $0.02 per sq.ft., 1,553 lin.ft. curbing $0.45, 1,206 ft. guttering $0.20, 4,960 ft. sidewalk $0.15, 206,660 sq.ft. 3½ in asphaltic concrete paving $0.177, total $47,490.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous concrete surfacing 5,700 ft. highway in East Bridgewater, to D. J. Roach, East Bridgewater, $28,045, 3,505 ft. highway in West Bridgewater, to M. F. Roach, 35 Spring St., East Bridgewater, $22,377, 14,204 ft. highway in Sandwich, to S. W. Lawrence, Falmouth, $53,223; and gravel and bituminous surfacing 1,250 ft. highway in Medfield, to J. Morrell, 28 Main St., North Attleboro, $4,991. Grand total $108,636. Noted July 30.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 34,300 ft. highway in Cummington and 17,741 ft. highway in Sturbridge, to Lane Constr. Corp., Meridan, Conn., $134,887 and $121,876 respectively, 5,500 ft. highway in West Springfield, to Adams & Ruxton Constr. Co., 387 Main St., Springfield, $71,791, 7,000 ft. highway in Lunenburg, to J. E. Watkins, 10 Fern Ave., Amesbury, $40,663, 10,900 ft. highway in Dover, Walpole and Westwood, to McCabe & Giovanninni, 20 Central St., Boston, $66,701 and hard pan surfacing 3,400 ft. highway in Savoy, to D. S. McGrath Inc., Adams, $20,947. Noted July 23.

Mass., Boston—Dept. Pub. Wks., recut granite block paving Warren St. from Washington to Dale Sts., to J. A. Singerella, 110 High St., $51,720. Noted July 23.

Mass., Holyoke—Bd. Pub. Wks., City Hall, deck steel girder bridge across second level canal on Sargeant St., to P. J. Kennedy, Inc., Holyoke, $25,920. Noted July 23.

N. Y., Lackawanna—Concrete paving Gates Ave., to T. J. McDermott, 123 Ryan St., $52,742.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and stone filled asphalt paving Riverside Dr., to Brusstar Constr. Co., Harlem River and 150th St., $43,754; sheet asphalt repaving Columbus Circle, to Sicilian Asphalt Paving Co., 41 Park Row, $109,536. Noted July 23.

N. J., Highland Park—Boro Council concrete paving 14,713 sq.yd. Dennison, North 5th, Felton, Harper, 1st and Magnolia Sts., to Utility Constr. Co., 5 Spring St., $60,047. Noted July 16.

N. J., Mays Landing—Freeholders Atlantic Co., 2 mi. Dorset Blvd. between Chelsea Heights and Ventnor Heights, to Eastern Eng. Co., Atlantic City, $99,055.

Pennsylvania — Dept. Hys., Harrisburg, (**R. means Route and A. Application**), rein.-con. paving 2,412 sq.yd. R. 281, Bucks Co., to Haydock-Martin Co., Inc., Germantown Ave. and Durham St., Phila., $22,298, 32,746 ft. R. 189, Sect. 3, Armstrong-Indiana Counties, to M. Bennett & Sons, Indiana, $294,541, 15,630 ft. R. 53, Sect. 1, Blair-Cambria Co., to A. W. Hinaman, Somerset, $134,480, 18,200 ft. R. 142, Sect. 2, Chester Co., to Juniata Co., 410 Empire Bldg., Phila., $145,359; bituminous macadam on broken stone paving 8,349 ft. A. 2828, Carbon Twp., Huntington Co., to W. C. Guncheon & Co., Masonic Temple, Harrisburg, $70,753. Grand total $667,461. Noted July 18.

Pa., Phila.—Bureau of Highways & Dept. Pub. Wks., Dewees Bros., 5th and Fisher Sts., grading portions of Bingham, Ferndale, Lawndale and Palmetto Sts., Stanwood St. from Rising Sun to Tabor Sts. and Stanwood St. from Halstead "F" to Verree Sts. $8,953, Ditman, Torresdale, Convent, Eden, Filter and Primrose Sts. $13,809, to R. B. Wenner, 2313 Walnut St., Fuller and Pavonia Sts. $3,570, to Garlick Bros., 2948 East Venango St., Pearce St. $2,409, to Root Bros., Ridge Ave. and Righter St., west side of Wissahickon St. $3,113, to J. Devlin, Jr., Hancock and Thompson Sts., Woodland and 72nd Sts., $1,233; to Union Paving Co., 38 and Locust Sts., asphalt paving Almond and Gaul Sts., Thompson St. from Venango St., to point 322 ft. southwest, and Thompson St. from Venango to Pickwick Sts. $15,981, Sheldon St. $7,371, Wyoming St. $61,242, 62nd St. $19,097, asphalt repaving Market St. from point east of bridge over Baltimore & Ohio R.R. tracks to west side of bridge over Schuylkill River $15,304, Warnock St. $8,087, furnishing asphalt paving mixtures $25,950; to Eastern Asphalt Co., Pennsylvania Bldg., asphalt paving Brill St. $14,526, Lawrence St. $6,995, and Valetta St. $2,895, to Barber Asphalt Co., 239 North 30th St., Cloud St. $4,000, Gerry St. $3,345, Hartel St. $7,836, 18th St. $8,794, 58th St., $19,097, to J. McCridden, Real Estate Trust Bldg., improving Hermit and Rector Sts., $3,956; to Municipal Paving Co., 702 Catherine St., redressed granite block repaving Brown St. $24,660, Race St. $51,698, 3rd St. $27,169, track area of 10th St. $2,049, and to United Paving Co., Real Estate Trust Bldg., 19th St. $25,041. Grand total $369,796. Noted July 16.

Ala., Birmingham—To Dunn Constr. Co., Lincoln Life Bldg., grading and asphalt surfacing 12 blocks 35th Ave. N., 40 ft., $40,837, engrs. est. $45,000 to H. N. Bowdry, 3426 Norwood Blvd., 6 blocks Martin Ave., Aves. D and N, 45th and Ensley Sts. 30 and 40 ft., $17,401, engrs. est. $17,500, 4 blocks Huntsville Rd., 30 ft., $21,291, engrs. est. $21,300, and 3 blocks 16th Pl. S. W., $20,232, engrs. est. $25,000; to J. M. Jones & J. Christie, 1310 Glenn Ave., grading, curbing and concrete surfacing 1 block 45th St., 40 ft., $13,000, engrs. est. $13,000. Noted June 25.

Miss., Calhoun City—Calhoun Co. surfacing 24 mi. highway east and west, to Little & Dean, Memphis, Tenn. Engrs. est. $69,700.

Miss., Jackson—Hinds Co., to Horey & Gordon, Jackson, improving 10 mi. Federal Aid Project 82-A, Sects. 1 and 2, $46,366 and $69,508 respectively, 4.6 mi. Federal Aid Project 79-A, $68,233.

Miss., Jackson—City, 2 in. Warrenite on 6 in. concrete surfacing 27,000 sq.yd. South President, Mississippi, Manship, Yazoo, Wells, Ewing, George and Barksdale Sts., and 53,000 sq.yd. Roach, Amite, Fortification, Mill, Monument, Central, Roseneath, Pascagoula, and North Parish Sts., to Dunn Constr. Co., at $2.68 per sq.yd.

Miss., Mendenhall—Simpson Co., gravel surfacing 11.4 mi. Magee-Mount Zion Rd. and Magee-Pinola Rd., Western Road Dist. 2, to Herington & Pennington, Oakvale, $8,516 and $12,011 respectively. Noted May 28.

Miss., Pittsboro—Bd. Supervs. Calhoun Co. 38,779 cu.yd. gravel one mi. haul, 280,420 units gravel ½ mi. overhaul, 8,690 cu. yd. gravel, one mi. haul 16,675 units gravel ½ mi. ½ mi. overhaul, to Little & Dean, Memphis, $69,701, 46,275 ton gravel to Tombighee Gravel Co., Columbia, Miss. f.o.b. Vardaman and Hollis $1.13 and at Denna and Calhoun City $1.21. Noted June 25.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 12.27 mi. Texas-Mansfield Highway, DeSoto Parish, to Alexandria Constr. Co., Alexandria, $73,116, 11 mi. Minden-Springhill Highway, Webster Parish, to W. D. Harvey & Co., Jonesboro, $52,978, 6.73 mi. Federal Aid Project 152 C, to B. Latimer, Garrison, Tex., $52,086.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, constructing 3.24 mi. Campi-Goldonna Highway, to F. D. Harvey & Co., Jonesboro, $15,000, 2.62 mi. Natchitoches-Boyce Highway and 4.72 mi. Robeline-Cypress Highway incl. 200 ft. creosoted bridge, to Red River Constr. Co., Shreveport, $36,846. Noted July 9.

La., New Orleans—O. Katz, pres. Jefferson Parish Drainage Bd., plans draining 25,000 acres. Four pumping stations, to A. M. Lockett & Co., New Orleans.

La., Oakdale—Police Jury Allen Parish, graveling 11½ mi. road in 4th Ward, to Byrd & Clopton, Monroe, $39,912, bridge work, to J. A. Hanchey c/o Police Jury, $20,802.

La., Shreveport—Curbing and guttering 8,380 ft. Queens Highway and Kings Highway, to M. A. Turk Constr. Co., Ardis Bldg., $6,127; asphaltic concrete paving Norma Ave. etc. to Southern Roads Co., North 17th St., Birmingham, Ala. $27,493.

Tenn., Dyersburg—Dyer Co. cement asphalt surfacing 19,000 sq.yd. Churchton Rd., to Aldrich Paving Co., Dyersburg, $45,000.

O., Akron — Summit Co. grading and traffic bound slag paving, etc., 4.26 mi. Comet Rd., to Gray & Quillen, Millersburg, $40,917, engrs. est. $45,500; grading, curbing and vitr. brick paving 5,800 sq.yd. Richfield-Hudson Rd., to A. F. Wible, 789 Chalker St., Akron, $92,055, engrs. est. $111,000. Noted July 30.

O., Akron—Comrs. Summit Co., (**e. e. means engrs. est.**) grading, curbing, sidewalks and vitr. brick paving 4,500 sq.yd. Noah Ave. and 5,000 sq.yd. Noble Ave., to T. E. McShaffrey Constr. Co., 173 South Forge St., $29,999 and $31,927 respectively, e. e. $41,000 and $44,000 respectively, 7,550 sq.yd. Dayton St., to McCourt Constr. Co., 365 South Main St., $40,139 e.e. $57,000, 900 sq.yd. Clay Dr., and 900 sq.yd. Getz St., to Holinger & Davidson, 435 South Bway., $4,133 and $6,567 respectively, e.e. $6,200 and $7,450 respectively; grading, laying sidewalks and cindering 800 cu.yd. Baird St., to Guran and Brancich, 42 Matthews St., $9,650, e.e. $12,000. Grand total $122,415. Noted July 2.

O., Akron—Comrs. Summit Co., grading and waterbound macadam paving, etc., 14,200 sq.yd. Swartz-Corner-Turkey Foot Lake Rd., and 21,600 sq.yd. Rex-Hill-New Portage Uniontown Rd to D. Davidson, 435 South Bway., $27,197 and $40,389 respectively, engrs. est. $30,000 and $45,000 respectively; grading, paving and sheet asphalt paving, etc. 11,126 sq.yd. Akron-Barberton Rd. (High St. Barberton), to Thorpe Constr. Co., 3,280 Scranton Rd., Cleveland, $42,015, engrs. est. $40,000. Grand total $109,601. Noted July 9.

O., Canton — Asphalt paving Hartford Ave. N. E. & S. E., brick paving Lafayette Ave., to Garaux Bros., 415 Ninth St., S. W., $37,945 and $25,335 respectively, engrs. est. $40,000 and $30,000 respectively; asphalt paving Carnahan Ave. N. E., to H. Corl, 809 7th St. N. W., $30,969, engrs. est. $30,000; brick paving Walnut Ave. & 13th St. N. E., to Canton Sand & Gravel Co., 1300 Clarendon Ave. S. W. $26,926, engrs. est. $34,000. Noted June 11.

O., Cleveland — Curbing, guttering and vitr. brick paving 30,340 sq.yd. Cedar Rd. 4, to H. Herring, Wayside Rd., $207,045, engrs. est. $233,500; 9,900 sq.yd. West Lake Rd., to Ohio Eng. Co., Lorain, $66,737, engrs. est. $72,300.

O., Cleveland—Sheet asphalt paving Forest Court and East 43rd St., to Enterprise Paving & Constr. Co., 8444 Bway., $3,272 and $24,239 respectively; curbing, guttering and vitr. brick paving West 80th and West 99th Sts., to Baldwin Bros., 4500 Euclid Ave., $33,736 and $4,545 respectively, West 155th St., to W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R. $6,012; West 158th St. to Fischer & Williams, Wayside Rd., $55,195; grading, curbing, guttering, sheet asphalt and vitr. brick paving Greenwood Ave. to Cleveland Trinidad Paving Co., The Arcade $11,164; West 136th St., to Roehl Bros., 7002 Denison Ave. $17,111; Lucknow Ave., to Gould & Maybach, 16,311 Saranec Rd. $29,305; Mapleside and Methyl Aves., to Riley Bros., The Arcade, $22,248. Grand total $206,827. Noted July 2.

O., Cleveland — Sheet asphalt paving, etc., 23,200 sq.yd. West 105th and 106th Sts., to Roehl Bros., 7002 Denison Ave., $165,613; 6,300 sq.yd. East 143rd St., to Garland Bros., 3748 East 91st St., $35,011; 27,220 sq.yd. East 129th, 144th and 146th Sts., to Highway Constr. Co., West 112th St., $57,492, $70,182, $41,427 respectively. Grand total $369,725. Noted July 2.

O., Cleveland — Grading, curbing and sheet asphalt paving 45,400 sq.yd. Bliss Rd., to Cleveland Trinidad Paving Co., The Arcade, $263,080. Noted July 23.

O., Columbus — W. H. Duffy, dir. Pub. Serv., asphalt paving 1,049 ft. Girard Ave. and 421 ft. Johnson Ave., to Knight & Wells, 483 Oak St., $13,380 and $10,871 respectviely; concrete paving 881 ft. alley north Patterson Ave., and 341 ft. alley north Wyandotte Ave., to Federal Paving Co., 996 McAllister Ave., $4,528 and $1,778 respectively; asphalt paving 497 ft. Oakland Ave., to R. J. Dienst, 480 South 5th St., $7,760; 212 ft. Ellsworth Ave., to Franklin Paving Co., 209 South High St., $3,514. Grand total $34,071. Noted July 9.

O., Dayton—Montgomery Co., brick paving on concrete base Wayne Ave., from Dayton Corp. Line to Smithville Rd., to C. C. Adams, 425 Kenwood Ave., $59,800, engrs. est. $75,000.

O., East Liverpool—Service Div., sheet asphalt paving 5,690 sq.yds. 2d St., 4,577 sq. yds. Millbury St., to Ohio Willite Paving Co., $26,407 and $25,084 respectively, engrs. est. $28,000 and $29,618 respectively. Noted July 23.

Indiana—State Hy. Dept., Indianapolis, (**F. A. means Federal Aid and e. e. engrs. est.**), concrete paving 4.036 mi. F. A. Rd. 22, Sect E, Morgan Co., to Cunningham Constr. Co., Guaranty Bldg., Indianapolis, $87,862 e. e. $102,812; 6.84 mi. F. A. Rd. 81, Sect. C, Johnson Co., to D. A. Y. Constr. Co., Franklin, $131,832 e. e. $143,953; 10.26 mi. F. A. Rd 98, Sect B, Huntington and Whitely Counties, to Seaman Constr. Co., Goshen, $223,851 e. e. $256,956; 1.426 mi. F. A. Rd. 16, Sect. M, Lawrence Co., to W. J. Nees Co., 116 Lincoln Way W., Mishawaka, $25,943 e. e. $27,121. Grand total $469,488. Noted July 30.

Streets and Roads (Continued)

Ind., Evansville—Vanderburgh Co. concrete paving 1.5 mi. St. Joseph Ave. Rd., 18 ft., to H. Schaefer, 1107 East Nevada St., $26,500. Engrs. est. $34,700. Noted July 30.

Ind., Indianapolis — Asphaltic concrete paving 2 mi. College Ave., 30 ft., to Union Asphalt Co., Lemcke Bldg., $72,579. Engrs. est. $86,000.

Michigan — State Hy. Dept., at office Comrs. Luce Co., Newberry, paving 1.887 mi. Trunk Line Rd. 25-4, A and B, to McDonald Lumber Co., Green Bay, Wis. $69,-065. Noted May 28.

Michigan — State Hy. Dept. at office Comrs. Barry Co., Hastings, concrete paving 1.263 mi. Trunk Lines Rd. 79-3A, to A. E. Greene, 47 Union Ave., Grand Rapids, $34,031. Noted July 2.

Michigan — State Hy. Dept., at office Comrs. Van Buren Co., Paw Paw, concrete paving 2.257 mi. Federal Aid Rd. 203A, to H. C. Nelson, Muskegon, $49,625. Noted July 16.

Michigan — State Hy. Dept., at office Comrs. St. Joseph Co., Centerville, concrete paving 2.286 mi. Trunk Line Rd. 13-10C, to H. C. Nelson, Muskegon, $57,724.

Michigan—State Hy. Dept., office Comrs. Huron Co., Bad Axe, concrete paving 1.248 mi. Trunk Line Rd. 31-16 to Murray & Fremont, Bad Axe, $34,899; 0.948 mi. Trunk Line Rd. 31-15 to R. Miller & Co., Bay City, $25,652.

Michigan — State Hy. Dept. at office Comrs. Lenawee Co., Adrian, waterbound macadam paving 3.054 mi. Assessment Dist. Rd. 30, to J. A. Elder, Bryan, O., $37,168.

Mich., Grand Rapids—Kent Co., graveling Lowell-Mosely Rd., to Allen & Farrier, Ovid, $37,746. Noted July 9.

Mich., Monroe—Two course waterbound macadam paving 3 mi. Town Line Rd., and 5.7 mi. Heiss Rd., to Edwards Constr. Co., Saginaw, $52,703 and $95,778 respectively.

Mich., Saginaw—Graveling 3 mi. Asessment Dist. Rd. 95, to T. McNally, Saginaw, $25,899.

Illinois—Dept. Pub. Wks. & Bldgs., Div. Highways, Springfield, concrete surfacing 11.1 mi. Route 4, Sect. 430, Du Page and Cook Counties, to R. F. Conway, 844 Rush St., Chicago, $292,382, 0.34 mi. Route 1, Sect. 7-X, Edwards Co., to R. A. Baum, Paris, $10,258, 6.11 mi. Route 3, Sect. 1, Morgan Co., to J. W. Etchison Co., Casey, $116,681, 5.18 mi. Route 3, Sect. 2, Cass and Morgan Counties, to Divine Constr. Co., Papineau, $99,619, 20 mi. Route 18, Sect. 15-X, De Kalb Co., to Trompeter & Sons, Peru, $4,434, 0.23 mi. Route 21, Sect. 6, Lake Co., to Darrow & Barron, Waukegan, $7,163; grading 0.39 mi. Route 12, Sect. 1-A, Lawrence Co., to W. T. Bland, Effingham, $16,642, 0.76 mi. Route 9, Sect. 30-A, Hancock Co., to Cameron & Joyce Steam Shovel Co., Keokuk, Ia., $16,131, 8.61 mi. Route 31, Sect. 18-A, Fulton Co., to E. P. Olson, $92,883, 0.49 mi. Route 13, Sect. 12-D, Jackson Co. to Hamilton-Hoffman Constr. Co., Carbondale. $12,663; widening Route 8, Sect 46-W, Knox Co., to Central Eng. Co., Putnam Bldg., Davenport, Ia., $18,811, Route 30, Sect. 6-W, to H. A. Raschke Constr. Co., Geneseo, $13,090. Grand total $700,757. Noted May 28 and June 18.

Ill., Batavia—Grading, curbing and rein.-con. surfacing 18,217 sq.yd. Washington Ave., etc., to Gund-Graham Co., Crum and Foster Bldg., Freeport, $56,690. Noted July 9.

Ill., Belleville—To Hoeffkin Bros. Constr. Co., curbing, concrete surfacing, etc., 6,144 cu.yd. 36th St. $21,913, 4,900 sq.yd. 37th St. $14,028, and 5,825 sq.yd. 38th St. $18,658. Grand total $54,599.

Ill., Libertyville—Grading and 6 in. concrete paving, etc., 8,250 sq.yd. Johnson and Cooke Aves., to J. Cope & Sons, Racine, Wis., $28,000.

Ill., Morton—Bd. Local Impvts., grading, curbing and concrete surfacing 5,968 sq.yd. Church St., to Jansen & Schaeffer, 212 North Capitol St., Pekin, $19,665; water supply main extensions, to C. K. Ladd & Co., 114 West 10th St., Kansas City, Mo., $8,318.

Wisconsin—Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, (**F. A. P. means Federal Aid Project**), to Tilseth & Ofstie, Menomonie, constructing 0.82 mi. Stinson Hill Rd., F. A. P. 351-A, Green Lake Co., clearing 1 acre at $10 per acre, grubbing 1 acre $20, 16,126 cu. yd. earth excav. $0.42, 7,855 cu.yd. solid rock excav. $1.40, 2,610 cu.yd. gravel surfacing, etc., $1.85, total $27,397, gravel surfacing 2.59 mi. F. A. P. 394-C $9,756, 3.73 mi. F. A. P. 279 $8,099, 2.77 mi. F. A. P. 131 $9,255; to F. Bossert, Wisconsin Rapids, gravel surfacing 3.5 mi. F. A. P. 182, $9,945, all foregoing projects in Adams Co. Grand total $56,452. Noted July 16.

Wis., Milwaukee—Dept. Pub. Wks., asphalt surfacing Jackson St. from Oneida St. to Ogden Ave., to White Constr. Co., 68 Wisconsin St., $24,772; Cedar St. from 13th to 18th Sts., and Cedar St. from 18th to 24th Sts., to Badger Constr. Co., 97 Wisconsin St., $9,444 and $16,504 respectively. Grand total $50,720. Noted July 23.

Wis., Milwaukee—Dept. Pub. Wks., cement sidewalks on 55th St. between Vliet St. and Cold Spring Ave., to Kroening Constr. Co., 39th Ave. and Mitchell St., $2,450, to A. E. Retzlaff, 868 Island Ave., $2,450, Rhode Island Ave., to Czerwinski Constr. Co., 765 Natl. Ave., $740; asphalt resurfacing Newberry Blvd. between Downer and Oakland Aves., to White Constr. Co., 68 Wisconsin St., $55,633; concrete paving 1 alley each, to N. Harris, 417 Juneau Pl., $571, and to R. H. Gumz, 831 15th Ave., $20,839, two alleys, Schwerm Bros., 50 Lee St., $10,508. Noted July 16.

Wis., Milwaukee—Dept. Pub. Wks., paving 4 alleys, to C. H. Slattery, 584 71st Ave., $15,005; one alley each, to Parkinson Constr. Co., 322 27th St. $4,045, to Bodemann Constr. Co., 691 48th St. $3,840, to Bluhm & Son, 1298 Achilles Pl., $11,968. Grand total $36,198.

Wis., Racine—Bd. Pub. Wks., concrete paving, etc. various streets to Western Improvement Co., 840-9th St., $112,653. Noted July 16.

Ia., Sioux City—To Booth & Olson, 120 Virginia St., Sioux City, improving St. Marys, Clinton and Perry Sts., 9,305 sq.yd. 6 in. concrete at $2.08 per sq.yd., and 4,028 ft. curbing $0.28; to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, Pearl St., 2,515 sq.yd. 6 in. concrete at $2.12 and 1,000 ft. curbing at $0.28.

Ia., Allison—See "Streets and Roads."

North Dakota — State Hy. Dept., and Comrs. Burleigh Co., Bismarck, earth and gravel surfacing 5.581 mi. Federal Aid Project 174A, Red Trail east of Bismarck to Stanley Bros., St. Cloud, Minn., $28,923, grading and clay surfacing 12.236 mi. Federal Aid Project 282A, state highway south of Sterling to R. S. Burnstad, Burnstad, $34,877. Noted July 2.

N. D., Grand Forks—City, grading and concrete paving about 11,318 sq.yd various streets to Northern Constr. Co., 9 North 8th St. $39,228. Noted June 18.

Mo., Cape Girardeau—A. H. Behrens, city clk., to W. P. McGeorge & Co., Pine Bluff, Ark., grading, curbing and concrete paving approximately 7,000 sq.yd. West Bway. $29,525, Fountain St. $3,183, North Pacific St. $3,190; to F. W. Keller, Jefferson Ave., North Sprigg St. from Pearl to old city limits, $9,623. Grand total $45,-921. Noted July 9.

Mo., Neosho—D. Lewis, city clk., improving Main, Wood, Spring and Washington Sts., etc., 2,600 cu.yd. excav., 9,600 sq.yd. 7 in. concrete paving, etc., to H. Kost, Neosho, $23,812. Noted July 16.

Mo., St. Louis—Grading, asphaltic concrete paving, etc., 2,500 ft. Woodland Park Subdivision (Lisette Ave.), also 12- to 24-in. sanitary sewers, to W. H. Smith-Nelson Cunliffe Co., 110 North 7th St. Engrs. est. $26,000.

Mo., St. Louis—Bd. Pub. Serv., to Blackburn-Constr. Co. Chouteau Trust Bldg., Kentucky rock asphalt paving 1,950 sq.yd. Alcott St. $11,650, brick paving 1,840 sq. yd. Lexington Ave. $11,552, granite block paving 4,855 sq.yd Mississippi St., $39,309; to Bridges Asphalt Paving Co., Buder Bldg., Warrenite paving 2,965 sq.yd. Eiler St. $22,-882, 5,275 sq.yd. Milentz St. $24,190 to Granite Bituminous Paving Co., Exch. Bldg., 820 sq.yd. Emerson St., $14,225; to Webb-Boone Paving Co., 5103 Fyler Ave., 3,110 sq.yd. Rise St. $14,068, Kentucky rock paving, 2,615 sq.yd. Magnolia St. $11,-068, Willite paving 26,500 sq.yd. Magnolia St., $143,711; to Brighton Constr. Co., Josephine Bldg., East St. Louis, Ill., asphalt paving 3,240 sq.yd. Mississippi St. $25,739, asphaltic concrete paving 1,855 sq.yd. Missouri Ave. $9,101; 3,295 sq.yd. Waldemar St., $14,216; and to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., Willite paving 12,180 sq.yd. Euclid Ave., $57,952. Grand

Mo., Sedalia—Concrete paving 3,800 sq. yd. 5th St. and 500 yd. Park St., to Bertman & Menefee, Sedalia, $1.90 each per sq. yd.; 12,500 yd. Carr St., to F. T. Fleming, Sedalia, $1.795.

Mo., Sullivan—City Clerk, City Hall, approximately 18,000 sq.yd. concrete paving, etc., various streets, to H. B. Dawson, 5008 Chippewa St., St. Louis, $38,201. This corrects report in July 30 issue.

Mo., Webb City—G. W. Ball, city pres., grading and concrete paving 13,454 sq.yd. Special Rd Impvt. Dist., to Independent Constr. Co., Pittsburg, Kan., at $1.95 per sq.yd.

Ark., Arkadelphia—City, 3 in. sheet asphalt on 5 in. concrete surfacing, curbing, etc., 19,900 sq.yd. various streets in Paving Dist. 2, to Kaw Paving Co., N. E. Bldg., Topeka, Kan., $74,500.

Tex., Anderson—Grimes Co., grading, bridging, etc., 6.71 mi. State Highway 6, Federal Aid Project 471-B, to Wotrick Constr. Co., Sherman, approximately $8,-000.

Tex., Austin—See "Bridges."

Tex., Brownsville—City Comn., grading and retopping with hot asphalt about 40 blocks various streets, to Uvalde Co., City Natl. Bank Bldg., San Antonio, approximately $35,000.

Tex., Gonzalas—Gonzalas Co., grading and bridging 10.88 mi. State Highway 81, Federal Aid Project 440-E, to W. E. Sanders, Hallettsville, $63,544. Noted Aug. 6.

Tex., Gonzalas — Gonzalas Co. clearing, grubbing, grading, bridging, etc., 10.88 mi. State Highway 81, Federal Aid Project 440E, 26 ft., incl. 143,440 lb. reinforcing, etc., and 8.08 mi. State Highway 8, Federal Aid Project 440D, 24,955 lb. reinforcing, etc., to J. W. Goodrum, Sequin, $66,544 and $21,998 respectively. Engrs. ests. $78,088 and $28,560 respectively.

Tex., Houston—Rock asphalt surfacing Taft St. from West Dallas to Webster Aves., to Schambaugh, 2202 Dowling St., Houston, $35,995. Engrs. est. $40,000. Noted July 23.

Tex., Jourdanton—Atascosa Co. asphalt surfacing 1.76 mi. State Highway 2, through Lytle, to Colglazier & Hoff, 922 Austin St., San Antonio, approximately $28,000.

Tex., Marshall—Paving Grand Ave. and Bishop St., to Cocke & Turner, Marshall, $25,548. Engrs. est. $27,500.

Tex., Wortham—City, 2½ in. brick surfacing 3 blocks and 2 in. asphalt surfacing 6 blocks various streets, to F. P. McElwrath, Corsicana, $55,475, Engrs. est. $60,000. Noted June 25.

Okla., Blackwell—Grading, curbing and concrete surfacing 15,430 sq.yd. and vibrolithic surfacing 16,700 sq.yd. F, C, 8th, 11th and McKinley Sts., to O. T. Tyler, 709 West Blackwell St., $129,543. Engrs. est $140,000.

Okla., Morris—Grading, curbing and concrete surfacing 18,770 sq.yd. Main and Ozark Sts., to E. H. Locker, Amer. Bank Bldg., Okmulgee, $59,780. Engrs. est. $64,-600. Noted June 18.

Okla., Okmulgee—Concrete slab surfacing 51,300 sq.yd. Okmulgee-Morris Rd., to Park & Moran, 210 South Seminole St., Okmulgee, $139,117. Engrs. est. $150,000.

Idaho — Commissioner Pub. Wks., at Court House, Boise, to Bauers & Bauers, Dayton, Ohio, improving 9.76 mi. Clarks Fork Highway, also portion of North and South Highway, Bonner Co., 471 cu.yd. solid rock excav. at $1.25 per cu.yd., 4,495 cu.yd. loose rock excav. $0.42, 67,263 cu. yd earth excav. $0.26, 25 488 cu.yd broken stone surfacing $175, 5,061 cu.yd. crushed gravel surfacing, $1.60, etc., total $104,193. Engrs. est. $132,032.

Washington—State Hy. Dept., Olympia, crushed rock surfacing 12,880 cu.yd. Davenport-Harrington Rd., State Rd. 7, Lincoln Co., to A. L. Smith, East 529 Ermina Ave., Spokane, $21,252, 2,375 cu.yd, Elbe-Morton Rd., State Rd. 5, Lewis Co., to H. W. Anderson, 311 California Bldg., Tacoma, $4,261; grading, etc., 1.26 mi. Thornton-Rosalia Rd., State Rd. 3, Whitman Co., to E. A. Webster Co., 617 Hutton Bldg., Spokane, $14,130, 0.76 mi. road from Pullman W., State Rd. 3, Whitman Co., to J. Mossuto, 402 Sheridan St., Spokane, $23,136, 2.05 mi. Barnes-Thornton Rd., State Rd. 3, Whitman Co., to H. L. Wilson, 26 Jaycox Bldg., Walla Walla, $21,354. Grand total $84,133. Noted June 25.

Calif., Los Angeles — Grading, curbing, guttering sidewalks and concrete paving Irvington Pl., to Baker & Vigus, 583 I. W. Hellman Bldg., $75,098, engrs. est. $78,849. Ave. 42, to R. A. Wattson, 1026 McCadden Pl., $57,942, engrs. est. $61,408.

Calif., Pasadena—Grading, curbing, guttering and 7 in. concrete paving Puente Dr. between Colorado and Lindo Vista Bridge, to Ducey & Breitenstein, R. F. D. Box 203, Pasadena, $27,169. Noted July 30.

Calif., San Rafael—Marin Co., grading and asphalt concrete paving, etc. roads in Dist. 12, to Pacific States Constr. Co., Call Bldg., San Francisco, $99,109. Noted June 25.

Calif., Venice—Grading and 7 in. concrete paving 114,418 sq.ft. Venice Blvd. between Electric Ave. and Lincoln Blvd., to Fry Bros. Contg. Co., 231 East 14th St., Long Beach, $39,845. Noted July 9.

Streets and Roads (Continued)

Calif., Willows—Glenn Co., 3 in. willite asphaltic concrete paving 3.07 mi. Butte City-Princeton Rd., to Christensen Constr. Co., 564 Market St., San Francisco, $45,000.

Quebec—Dept. Provincial Hy., Quebec, laying layer amnesite on 12 mi. Champlain and Ste. Marthe Rd., to Necker, Quebec, $75,000. 15 mi. road from Three Rivers to Yamachiehe to T. E. Rousseau, Quebec, $75,000; amnesite curb 17 mi. from St. Augustine to Neuville, to Lagauiere & Honde, Grondines, Engrs. est. $150,000, oiling and surfacing national road from Grand Mere to River Cache to F. Walter, Lennoxville, $120,000.

Ont., Bowmansville—Asphaltic concrete paving, etc., 17,000 sq.yd. various streets, to Johnson Bros., 43 Market St., Brantford, $41,900. Engrs. est. $55,000.

Ont., Brockville — Bituminous concrete paving 10,000 sq.yd. North Augusta Rd., to Warren Bituminous Paving Co., 54 University Ave., Toronto, $30,000. Engrs. est. $35,000.

Ont., Cannington—Waterbound macadam paving 13,500 sq.yd. various streets, to Godson Contg. Co., 203 Richmond St. W., Toronto, $37,304.

Ont., Ottawa — Asphalt paving Carling Ave. and Preston St., to Civic Wks. Dept., City Hall, $25,242 and $3,615 respectively.

Ont., Saulte Ste. Marie—R. G. Campbell, city clk., rein.-con. paving 17,000 sq.yd. Wellington St., to MacNamara Bros., Saulte Ste. Marie, $60,000. Engrs. est. $50,000. Noted July 16.

Ont., Barrie—Cement paving Station Dr., Owen, Mulcaster and Clapperton Aves., to Brennan Paving Co., Melrose Ave., Hamilton. Engrs est. $35,000.

Ont., Ingersoll — Town Clerk paving Charles and Bell Sts., to Hamilton Contg. Co., Home Bank Bldg., Hamilton; Thames St., to R. Miller & Sons, Lumsden Bldg., Toronto. Engrs. est. $35,000. Noted June 18.

Ont., Paisley — Penetration macadam paving 17,000 sq.yd. various streets, to J. McKinnon, Paisley, Engrs. est. $35,000.

Ont., Saulte Ste. Marie—Concrete paving Welland St. to McNamara Constr. Co., Saulte Ste. Marie. $60,000.

Ont., St. Catherines—Curbing, guttering and concrete paving to W. L. Malcolm Paving Co., Kingston. Engrs. est. $35,000. Noted Apr. 30.

Ont., Toronto—To Warren Bituminous Paving Co., 54 University Ave., bituminous concrete paving Craven Rd. $35,492, Edna Ave. $4,342, Garfield Ave. $5,236, Lola Rd. $5,592, Manor Rd. $5,046, and St. Clair Ave. E. $16,212. Grand total $71,920.

British Columbia — Minister Dept. Pub. Wks., Victoria, clearing, grading and macadam surfacing 6.5 mi. highway from Nelson to Kelso, to Rawlings & LaBrash, Nakusp, $84,000. Noted June 25.

Buildings—Industrial

PROPOSED WORK

Mass., Cambridge (Boston P. O.)—FACTORY—Daggett Chocolate Co., 35 Lewis Wharf, Boston, plans 2 or more story, timber factory, Ames and Main Sts., $40,000 or more. Engineer and architect not selected.

Mass., Somerville (Boston P. O.)—REPAIR and SERVICE GARAGE I. S. Stone, 53 State St., Boston having sketches made by F. A. Norcross, 46 Cornhill St., Boston, 1 story, brick, Magoun Sq. $40,000.

N. Y., Buffalo — FACTORY — Kittinger Furniture Co., 1893 Elmwood Ave., had plans prepared rein.-con. and brick factory, Elmwood Ave. $40,000. Engineer and architect not announced.

N. Y., Hudson—STORAGE—Canada Dry Ginger Ale Co., Hudson, having sketches made by Monks & Johnson, 99 Chauncey St., Boston, Mass., 1 story, 243 x 243 ft., brick and timber storage building. $150,000.

Va., South Boston—PLANT—Southside Virginia Power Co. plans the construction hydro-electric plant on Meherrin, Dan or Staunton Rivers. I. Vaughan, 240 Susque St., Phila., Pa., pres.

Ga., Macon—WOOD WORKING PLANT—Arnett Mfg. Co., plans saw mill and plant for making short bobbings. $200,000.

Ga., Warwick—POWER PLANT—Crisp Co. plans 14,000 hp. hydro electric power plant on Flint River, near here. Southern Eng. Co. Albany, Ga., engrs.

La., New Orleans—PLANT — Tropical Clothing Co., 205 Charles St., plans 3 story brick plant, Toulouse and Jefferson Pl. $125,000. Engineer and architect not selected.

O., Barberton — FACTORY — Seiberling Rubber Co. plans 1 story, 150 x 240 ft. factory addition. $200,000.

O., Cleveland — LAUNDRY — Cleveland Toilet Supply Co., R. P. Shupe, secy., 2139 East 18th St., had plans prepared by H. M. Morse, Finance Bldg., 2 story and basement, 70 x 125 ft., brick and steel laundry addition. $40,000.

O., East Youngstown—MILL—Youngstown Sheet & Tube Co., Wilson Ave., plans seamless tube mill. $2,000,000.

Mich., Detroit—ASSEMBLY PLANT—Dodge Bros., Inc., Jos Campau Ave., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 6 story, 100 x 462 ft., rein.-con. and brick addition.

Ill., Murphysboro—POWER PLANT—Southern Illinois Gas Co. which controls public utilities here, plans improvements and repairs to electric light plant, incl. 500 hp. boilers, 450 kw. steam turbine electric unit, transmission line, etc. $300,000.

Wis., Green Bay — STEAM POWER PLANT—Byllesby Eng. and Management Corp., 231 South La Salle Ave., Chicago, Ill., plans 2 story, brick, concrete and steel, plain foundation. $2,000,000. Private plans. Noted under Wisconsin Public Service Corp., June 4.

Wis., Lakeside (Buffalo Lake P. O.) — ELECTRIC GENERATING PLANT—Milwaukee Electric & Light Co., Pub. Serv. Bldg., Milwaukee, having plans prepared by F. Luber, c/o owner, 2 story, brick and concrete addition, plain foundation, here. J. Anderson, c/o owner, engr.

Wis., Milwaukee—PRINTING PLANT—Tharinger & Bruecker, archts., 496 Cramer St., takes bids about Aug. 10, 2 story and basement, 32 x 125 ft., brick and concrete, plain foundation, Florida St., for Milwau-

Minn., Duluth—SUB-STATIONS—Minnesota Power & Light Co., Duluth, C. J. Snyder, mgr., plans 4 rein.-con. sub-stations at Lakeside in East End next to present station at 15th Ave. W. and 62nd Ave. W. $300,000. Private plans.

Tex., Ballinger—PLANT—C. Gehmann, Fredericksburg, plans brick, frame, rein.-con. cement plant, here. $100,000. Private plans.

Tex., Cuero—CREAMERY—Cuero Business Interests, G. Mullem, representative, plans brick, stone and concrete dairy, here. $75,000. Engineer and architect not selected.

Tex., Nederland — ICE and ELECTRIC PLANT—Eastern Texas Electric Co. plans ice and power plant here. $40,000. Engineer and architect not selected.

Tex., Pecos—COTTON COMPRESS and FUMIGATION PLANT—B. Hester making plans rein.-con. and brick cotton compress and fumigation plant. $60,000. Private plans.

Tex., San Benito—MILL—J. Hubler and associates plan hemp mill. $100,000. Engineer and architect not selected.

Okla., Ponca City—GARAGE and FACTORY—Murdock Motor Co. plans garage and factory. $55,000. Engineer and architect not selected.

Okla., Haleyville—ICE PLANT—Southern Utilities Co., making preliminary plans distilled water type, 20 ton capacity ice plant. $40,000. S. M. Makers, Haleyville, engr.

Ore., St. Helens—PAPER MILL—Hawley Pulp & Paper Co., c/o W. P. Hawley, Oregon City, pres., plans steel and concrete, Columbia Rd. $1,000,000. Engineer and architect not selected.

Calif., Cottonwood—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., San Francisco, having plans prepared rein.-con. and steel sub-station, here. $50,000 with equipment $460,000. Private plans.

Calif., Oroville—ICE PLANT—Union Ice Co., plans ice plant, High and Pine Sts. $75,000-$100,000.

Calif., San Pedro—TRANSIT SHED—City had plans prepared by Harbor Comn., for 120 x 1,000 ft., steel transit shed, 18 ft. high, at 230 A and B Sts. $263,533.

Que., Chat Falls—ZINC PLANT—J. Robertson Co., 142 William St., Montreal, soon takes bids lead and zinc plant, on Ottawa River, here. $2,000,000.

Ont., Durham—FLOUR MILLS—J. McGowan plans rebuilding mills to replace those recently destroyed by fire. $45,000.

Ont., Meaford — FACTORY — Meaford Shoe Co., W. T. Grimshaw, mgr., plans rebuilding factory, recently destroyed by fire. $50,000 loss.

BIDS DESIRED

Mass., Winchester—GARAGE and REPAIR SHOP—J. Haggerty, 736 Main St., taking bids 2 story, rein.-con. garage and repair shop. $40,000. Kennedy & Olmsted, 80 Boylston St., archts. Noted July 30.

N. Y., Raybrook—COLD STORAGE and STOREHOUSE—Aug. 10 by F. R. Utter, supt. Purchase, Albany, cold storage building, storehouse and electric elevator at State Hospital, here; adv. E. N.-R. Aug. 6.

Pa., Phila.—FACTORY—Aug. 9, by A. Freeman, archts., 29 West 34th St., New York City, 10 story and basement, 104 x 136 ft., rein.-con. and brick, plain foundation, 9th and Columbia Sts. $500,000, for Bayuk Cigar Co., 3d and Spruce Sts.

Mo., Warrensburg — COLD STORAGE PLANT—Roseland Farm & Mfg. Co. taking bids 2 story, rein.-con. and brick plant. $45,000. C. A. Smith, Finance Bldg., Kansas City, engr.

CONTRACTS AWARDED

N. H., Beebe River—FACTORY—Draper Corp., Hopedale, 2 story, 100 x 200 ft., rein.-con. and brick, to W. T. Reed Co., 200 Devonshire St., Boston. Archts. est. $175,000. Noted July 16.

Mass., Cambridge (Boston P. O.)—MANUFACTURING—Carlton Realty Co., H. L. Rinaldi, 42 Carlton St., 3 story, 40 x 105 ft., rein.-con. and brick, Carlton St., to F. V. Van Etten, 100 Boylston St., Boston. Archts. est. $50,000. Noted July 16.

Mass., New Bedford—MILL—Manomet Mills, Belleville Ave., 2 story, 120 x 520 ft., brick and steel, plain foundation, to Locke & Thomas, Inc., Olympia Bldg. Archts. est. to exceed $40,000. Noted July 16.

Mass., North Abington—ICE CREAM PLANT—Plymouth Rock Ice Cream Co., 2 story 50 x 155 ft., brick and steel, to J. J. Prindiville Co., Prindiville Bldg., Framingham. Archts. est. to exceed $40,000.

Mass., North Dighton—DYE HOUSE—Mt. Hope Finishing Co., 1 story and basement, 100 x 200 ft., concrete and brick plain foundation, to Central Eng. & Constr. Co., 210 Main St., Pawtucket. Archts. est. $40,000. Noted July 9.

Mass., Shelbourne Falls—REPAIR and SERVICE GARAGE—J. M. Blassbury, 2 story, 75 x 85 ft., brick and steel, to D. O'Connell Sons Co., 480 Hampden St., Holyoke. archts. est. $50,000.

R. I., Providence—POWER PLANT—Narragansett Electric Light Co., Eddy St., 1 and 2 story, brick power plant, pipe and boiler house, to R. H. Baker, 304 Main St., Cambridge. Archts. est. to exceed $40,000. Noted May 28.

N. Y., New York—BOILER PLANT—W. W. Mills, comr. Plants & Structures, Municipal Bldg., addition to boiler plant, for Central Motor Repair Shop and Willard Parker Hospital, 16th St. and Ave. C, to H. Borriello, Inc., 157 East 128th St., $107,142, fuel oil storage and oil burning system, to Velodrome Heating Co., 160 East 144th St., $39,000; addition of 2 new water tube boilers, to Shevlin Eng. Co., 110 West 34th St., $51,719. Noted July 23.

Pa., Phila.—MILL—Apex Hosiery Co., Lawrence and Luzerne Sts., 6 story and basement, 15 x 95 ft., rein.-con. and brick addition, 5th and Luzerne Sts., to White Constr. Co., Jefferson Bldg. Noted July 16.

Pa., Phila. — POWER HOUSE — C. A. Blatchley, archt., Drexel Bldg., 1 and 2 story, 51 x 90 ft., brick, steel and rein.-con., plain foundation, Richmond and Kennedy Sts., to Smith-Hardican Co., 1809 Callowhill St. Noted July 16.

Md., Baltimore—BAKERY—E. H. Koester, 648 West Lexington St., 2 story and basement, 85 x 130 ft., brick and steel addition, plain foundation, West Lexington St., to A. Kratz, 118 South Carrolton Ave., $85,000.

Md., Baltimore—PLANT—Pioneer Hardwood Flooring Co., Ashland Ave. and 8th St., 1 story, 120 x 245 ft., steel and hollow tile, plain foundation, Ashland Ave., to C. W. Schmidt, Hearst Tower, $50,000. Noted June 4.

Md., Hagerstown—FACTORY—M. P. Moeller Organ Wks., 3 story, 60 x 140 ft. factory, and 2 story, 40 x 80 ft. office, rein.-con. and steel, plain foundation, to Consolidated Eng. Co., 20 East Franklin St., Baltimore, $150,000. Noted July 23.

Tenn., Chattanooga—MILL—Davenport Hosiery Co., 906 Georgia Ave., general contract 1st unit plant, to M. T. Wilson, Tennessee Power Bldg. Noted June 4.

O., Cleveland — FACTORY — Diamond Bronze Co., 5415 Brow Ave., 1 story, 60 x 125 ft., brick and steel, Sideway Ave., to Vulcan Constr. Co., 6600 Park Ave. Archts. est. $40,000.

Buildings—Industrial (Continued)

O., Cleveland—FACTORY—Surety Investing Co., 2 story and basement, 112 x 153 ft., brick and steel, 1766-80 East 22nd St., to Austin Co., 16,112 Euclid Ave. Archts. est. $100,000.

O., Cleveland—GARAGE and PRESS SHOP—Vlchek Tool & Supply Co., 3000 East 86th St., 1 story 21 x 70 ft. garage and 2 story, 25 x 86 ft. press shop, brick and steel, East 86th St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Archts. est. $40,000.

Wis., Milwaukee—FACTORY—E. G. Schreder Co., archts., 405 Bway., 1 story, 76 x 120 ft., brick and timber, plain foundation, 30th St., to Byrne Bros. Co., 3112 Burleigh St., for Standard Sheet Metal Wks., 1485-30th St., archts. est. $40,000. Noted Mar. 12.

Wis., Milwaukee—SERVICE—Dept. Pub. Wks., 2 story and basement, 120 x 460 ft., brick and steel, plain foundation, Canal St., to T. Stark & Co., 130 Muskego Ave., $97,-500; structural steel for above project, to Milwaukee Bridge Co., 1400-34th St., $82,-290.

Mo., St. Louis—LAUNDRY—Olive Wet Wash Laundry Co., 4722 Delmar Blvd., 1 story and basement, 12 x 45 ft., and 55 x 82 ft., brick and concrete, North Newstead Ave., to B. J. Schaefer, 6325 Ouida St. Archts. est. $25,000.

Wash., Seattle—FACTORY—Hofius Steel & Equipment Co., L. C. Smith Bldg., 6 story, brick, steel and concrete, to The Austin Co., 16112 Euclid Ave., Cleveland, Ohio, $50,000.

Calif., San Francisco—ASSEMBLY and REPAIR SHOP—Amer. La France Fire Engine Co., 1434 Howard St., 1 story, rein.-con. assembling and repair plant, 16th and Shotwell Sts., to J. Spargo, 460 Montgomery St., $43,500. Noted July 23.

Ont., Listowel—PLANT—City Dairy Co., Spadina Crescent, Toronto, condensed milk plant to Britnell Contg. Co., Baxter St., Toronto. Engrs. est. $50,000. Noted Apr. 23.

B. C., Powell River—PAPER MILL—Power River Co. Ltd., 2 story, 150 x 450 ft. machine room and 1 story 100 x 100 ft. seven room rein.-con., to Armstrong, Morrison & Co., 543 Granville St., Vancouver, $400,000.

Buildings—Commercial

PROPOSED WORK

Mass., Amherst—HOTEL—Amherst Inn, Building Comn. having plans prepared by Putnam & Cox, 114 State St., Boston, 3 story and basement, brick hotel. To exceed $150,000.

Mass., Boston — APARTMENT — E. N. Wyner, 18 Tremont St., having sketches made by Strickland, Blodgett & Law, 26 Pemberton Sq., Boston, 10 story and basement, 15,000 sq.ft. floor space, brick and stone, plain foundation, Newbury and Arlington Sts. $2,000,000. Noted May 21.

Mass., Boston—OUT PATIENT BUILDING—Boston Sanitarium, c/o Maginnis & Walsh, archts., 100 Boylston St., having plans prepared 5 story and basement, brick and stone, plain foundation, 57-61 Concord St. To exceed $150,000.

Mass., Cambridge (Boston P. O.)—OFFICE—Boston & Maine R.R., 321 North Station, having revised plans prepared 5 and 6 story and basement, rein.-con. and brick, Lechmere Sq. $250,000. B. W. Guppy, c/o owner, engr.

Mass., Cambridge—APARTMENT HOTEL—J. J. Shine, 1374 Masachusetts Ave., plans 6 story and basement brick apartment hotel, Garden and Berkeley Sts. $500,000. Engineer and architect not selected.

Mass., Greenfield—LODGE—Knights of Columbus, N. Lawler, Lawler Theatre, soon takes bids 7 story, 70 x 130 ft., brick and steel, Federal St., $300,000. M. R. Drew, 288 Main St., archt.

Mass., Jamaica Plain (Boston P. O.)—HOME—Home for Aged Women, W. M. Wade, 82 Devonshire St., pres. having plans prepared by Colldige, Shepley, Bulfinch & Abbott, Ames Bldg., 82 Devonshire St., 5 story and basement, 160 x 180 ft., brick, plain foundation, South Huntington Ave. and Jamaica Way. $450,000.

Mass., Quincy (Boston P. O.)—POLICE STATION—City, P. E. Barbour, mayor, having plans prepared by Clark, Batty & Gallagher, 13 Temple St., 3 story and basement, 65 x 80 ft., brick and cast stone, Canal and Sea Sts. $150,000. Noted May 7.

Mass., Roxbury (Boston P. O.) — THEATRE, STORE and OFFICE—Singer Realty Co., S. A. Singer, 84 Chauncy St., Boston, having plans prepared by F. A. Norcross, 46 Cornhill St., Boston, 2 story, 80 x 190 ft., brick, plain foundation, 119-129 Dudley St., here. $225,000.

Mass., Somerville (Boston P. O.)—HOSPITAL—Blackall & Elwell, archts., 44 Bromfield St., Boston, making sketches 2 story and basement, brick dental hospital. $150,000 or more. Owner's name withheld.

Mass., Winthrop—HOSPITAL—Community Hospital (Town of Winthrop), R. F. Whittier, pres., having plans prepared by Stevens & Lee, 45 Newbury St., Boston, brick community hospital, Lincoln St. $150,000.

R. I., Providence—OFFICE—State Building Comn., having preliminary plans prepared by Jackson, Robertson & Adams, Turks Head Bldg., 3 story brick and limestone, Main St. To exceed. $150,000

Conn., Bridgeport — APARTMENT—W. T. Chatlos, Bway., Stratford, having plans prepared by J. W. Northrop, 21 State St., Bridgeport, 6 or 7 story, brick and steel, Harrison and Elm Sts. $300,000.

N. Y., Buffalo — APARTMENT — A. Weber, Marine Trust Bldg., plans apartment, Delaware Ave. To exceed $150,000. Engineer and architect not selected.

N. Y., Buffalo — ASYLUM — Buffalo Orphan Asylum, 2722 Main St., plans infant asylum, Jefferson Ave. To exceed $150,000. Engineer and architect not selected.

N. Y., Buffalo—WAREHOUSE—Fairmount Creamery Co., 172 Michigan Ave., soon takes bids 8 story, 128 x 150 ft., rein.-con., 197 Scott St. $250,000. Plummer & Mann, 700 Main St., archt.

N. Y., Cheektowaga — TOWN HALL — Town soon takes bids 3 story, 135 x 170 ft., rein.-con. and brick, Bway. $200,000. F. Spangenburg, 250 Delaware Ave., Buffalo, archt.

N. J., New Brunswick—MUNICIPAL—City having plans prepared by A. Merchant, 363 George St., and W. H. Bolan, 142 Albany St., 2 story and basement, stone and brick municipal building. $400,000.

N. Y., New York—APARTMENT—Brodsky & Klosk, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Castle Hill Ave. $600,000.

N. Y., New York—APARTMENT—G. Minoff, c/o C. Schaeffer, Jr., archt. and engr., 3rd Ave. and 148th St., having plans prepared 5 story, brick, steel and stone, plain foundation, Morris Ave. $400,000.

N. Y., New York—APARTMENT HOTEL—L. Gerbins, c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 16 story, brick, steel and stone, plain foundation, 257 West 92nd St. $1,500,000.

N. Y., New York—COURT HOUSE—City Boro Hall, having plans prepared by M. Hausler, archt. and engr., 3307 3rd Ave., 3 story, brick steel and stone, plain foundation, Williamsbridge Rd. and Roberts Ave. $350,000. Noted June 4.

N. Y., New York — GARAGE — L. J. Monet, c/o E. I. Shire, archt. and engr., 373 4th Ave., having plans prepared 3 story, rein.-con., brick, steel and stone, plain foundation, 332 East 76th St. $200,000.

N. J., Jersey City—HOSPITAL—Hudson Co. Maternity Hospital takes bids about Aug. 24, brick and steel hospital. C. Ziegler, 75 Montgomery St., archt. Noted Feb. 12.

Pa., Dormont (Pittsburgh P. O.)—BANK—Dormont Savings & Trust Co. having preliminary plans prepared by Simons, Brittain & English, Magee Bldg., Pittsburgh, probably 2 story and basement, West Liberty Ave. $150,000.

Del., Dover — STATE HOUSE — State plans 3 story, 50 x 100 ft., brick addition to State House, here. $150,000. Brown & Whiteside, Dupont Bldg., Wilmington, archts.

D. C., Wash.—BANK—Commerce & Savings Bank, 7th and E Sts., N.W. having plans prepared by Milburn, Heister & Co., Union Savings Bank Bldg., remodeling bank.

D. C., Wash.—HOTEL—Milburn, Heister & Co., archts., Union Savings Bank Bldg., preparing plans new hotel, 13th and H Sts. Owner's name withheld.

Va., Little Creek—TERMINAL—Pennsylvania R.R. Co., Broad Street Sta., Phila., Pa., plans terminal, here. $3,000,000. A. C. Shand, ch. engr.

N. C., Charlotte—OFFICE—Southern Railway, 13th and Pennsylvania Ave., Wash., D. C., plans 4 story, 100 x 150 ft. office building, at Southern Ry. Sta., here. $200,000. R. E. Simpson, Charlotte, genl. mgr.

Fla., Pensacola — APARTMENT — West Florida Development & Investment Co., P. L. Rosasco, pres., having plans prepared by W. D. Willis, Blount Bldg., 4 story apartment, West La Rua St. $250,000.

Mississippi—HOTEL—Edgewater Hotel Co., 5452 Bway., Chicago, Ill., plans new hotel on Belmar Hotel site on beach midway between Gulfport and Biloxi, basement to be used for automobile parking place. $2,000,000.

Miss., Jackson—OFFICE—Standard Oil Co. having plans prepared by W. E. Glossop, Louisville, office building, North State and Amite Sts. $200,000.

La., New Orleans—BANK and OFFICE—Canal Commercial Trust & Savings Bank, J. F. Butler, pres., having plans prepared by E. Weil, Whitney Central Bank Bldg., 18 story, 110 x 235 ft., Baronne and Common Sts. $4,000,000.

La., New Orleans — GARAGE — A. J. Gumina, Carondelet St., plans converting 4 story brick building into modern garage, Poydras and Camp Sts. Engineer and architect not selected.

La., New Orleans—OFFICE—New Orleans and Chicago Syndicate, having plans prepared by S. Scott Joy, 2001 West Pershing St., Chicago, Ill., 16 story, Baronne and Common Sts. $2,000,000.

Tenn., Memphis—OFFICE—Standard Oil Co. plans 3 story, rein.-con., on 224 x 410 ft. site, 1205 Union St. $100,000. Jones & Furbringer, Porter Bldg., archt.

Business Is Good

Reports from the brick industry are vitalizing and hopeful. All indications are that 1925 will be a new peak year for this industry in making records for brick made and sold.

The west coast lumbermen show that new business was only 4 per cent below production while shipments were 12½ per cent above the new business.

Chicago shows activity in all sections in the construction industry.

Lumber stocks in the Twin City yards, wholesale and retail, are reported a little above normal, owing to the demand made during the past thirty days.

St. Louis is experiencing an unprecedented building program. The first six months of this year gives an increase of $13,000,000 over the the same period in 1924.

Financial concerns show that existing conditions are favorable — the month of June showed fewer failures than any month of this year and its liabilities, except for March, are less than any one month since November.

Buildings—Commercial (Continued)

Tenn., Nashville—APARTMENT—J. T. Blair, 517 Commerce Sts., plans 8 story and basement apartment, 6th and Commerce Sts. $750,000.

O., Canton—HOSPITAL—Stark Co. plans 150 bed hospital, Canton-Alliance Rd. west of Harrisburg. $700,000. A. L. Thayer, New Castle, Pa., archt.

O., Cincinnati—APARTMENT—Walnut Hills Apartment Co., Provident Bank Bldg., having plans prepared by O. Schwartz, Provident Bank Bldg., 4 story and basement, rein.-con. and brick, plain foundation, Woodburn St. $200,000.

O., Cincinnati—TAILOR SHOP—H. P. Davis Tailoring Co., 8th & Sycamore Sts., having plans prepared by C. J. Kiefer, engr. and archt., Schmidt Bldg., 2 story and basement, rein.-con. and brick, plain foundation, Iowa St. $200,000.

O., Cleveland—OFFICE—Brotherhood of Locomotive Trainmen, D. B. Robertson, pres., Guardian Bldg., plans 10 story, concrete, brick and steel office building. $1,000,000. Engineer and architect not selected.

O., Columbus—STORE—F. & R. Lazarus Co., S. Lazarus, pres., 161 South High St., soon lets contract 7 story and basement, brick, steel and concrete addition, Front and Chapel Sts. $700,000. Starrett & Van Vleck, 393 7th Ave., New York City, archts.

O., Dayton—OFFICE—Herman & Brown, archts., Reibold Bldg., takes bids about Aug. 15th, 5 and 9 story, 25 x 175 ft., rein.-con., brick and steel, plain foundation, Main St., for Dayton Savings & Trust Co., North Main St., $400,000.

Ind., Indianapolis — LODGE — Supreme Lodge, Knights of Pythias, Indiana Pythian Bldg., plans 3 story and basement, 75 x 120 ft., steel and concrete, Meridian St. $500,000. McGuire & Shook, Pythian Bldg., archts.

Ill., Chicago—GARAGE—R. O. Derrick, archt., 120 Madison St., Detroit, Mich., takes bids about Aug. 10, 10 story and basement, 100 x 150 ft. rein.-con. garage, 600 car capacity, State and Kinzie Sts., for Central Chicago Garage, Inc., c/o Carson, Goldsmith & Co., 30 North La Salle St. $850,000.

Ill., Chicago—OFFICE—H. McLennan & Co., 307 North Michigan Ave., soon takes bids 10 or 12 story, 97 x 103 ft., rein.-con. Racine Ave. and 14th Pl., for Produce Exch. Building Corp. $750,000.

Ill., Chicago — THEATRE — Balaban & Katz Corp., 175 North State St., having preliminary plans prepared by Rapp & Rapp, 190 North State St., 165 x 322 ft., rein.-con. theatre, Washington Blvd., Crawford and West End Aves. $4,000,000.

Ill., Peoria—HOTEL—E. C. May and Hotel Company (now being organized), take bids 2nd week in August, 12 story and basement, 123 x 171 ft., rein.-con., brick, steel and terra cotta, plain foundation, Main and Madison Sts. $1,500,000. Hewitt & Emerson, 1600 Peoria Life Bldg., archts. H. Trumbauer, Land & Title Bldg., Phila., Pa., consult. archt.

Wis., Madison—AUDITORIUM—W. R. Winckler, city clk., plans rein.-con., brick and steel municipal auditorium. $150,000. Engineer and architect not selected.

Wis., Milwaukee—HOTEL—G. Zagel & Pro., archts., 144 Oneida St., making plans 4 story and basement, 62 x 114 ft., brick and concrete, plain foundation, 16th St. $175,000. Owner's name withheld.

Minn., Minneapolis—STORE—E. Quinlan Realty Co., 513 Nicollet Ave., soon takes bids superstructure 2 and 5 story, basement and part sub-basement, 157 x 215 ft., rein.-con., brick, tile and stone, 9th Ave. excavation for above, to J. Leck Co., 211 South 11th St. Total $1,000,000. F. L. Ackerman, 25 West 44th St., New York City, N. Y., archts. Noted Sept. 18.

Kan., Lawrence — MEMORIAL — Memorial Corp., S. G. Elliott, treas., having plans prepared by Pond & Pond, 6 North Michigan Blvd., Chicago, Ill., 3 story and basement, brick memorial union building. $250,000.

Kan., Wichita—STORE, etc.—Vincent Building Co. having preliminary plans prepared by G. H. Thomas, Wheeler, Kelly & Hagny Bldg., 2 story and basement, 100 x 140 ft., brick, concrete and stone, 1st and Topeka Sts. $150,000.

Neb., Omaha—THEATRE—A. H. Blank Theatre Co., c/o M. B. Griffin, 1102 1st Natl. Bank Bldg., having preliminary plans prepared by J. Eberson Co., 212 East Superior St., Chicago, Ill., 1 story, 40 x 100 ft. and 132 x 167 ft., brick, stone, terra cotta and steel theatre and restaurant, Farnam and 20th Sts. $1,000,000.

Neb., Omaha—THEATRE—World Realty Co., 1506 Douglas St., making preliminary plans 8 story and basement, rein.-con., brick, stone and steel theatre, 2,500 seating capacity, 16th and Douglas Sts. $1,000,000.

Tex., Dallas—GARAGE—C. P. Collins and associates, Western Indemnity Bldg., having preliminary plans prepared by Lang & Witchell, 300 Amer. Exch. Bldg., 8 story, brick and fireproof, Commerce and Poydras Sts. $200,000.

Tex., Ft. Worth—LODGE and HALL—Ft. Worth Lodge 148, A. F. & A. M., c/o W. E. Yancey, Court House, plans 75 x 100 ft., rein.-con., brick and stone lodge building. $200,000. Engineer and architect not selected.

Mo., Kansas City—POLICE STATION—Fire and Water Bd., City Hall, plans election $250,000 bonds new central police station. P. McGeehan, city engr. Noted July 23.

Mo., Kansas City—THEATRE—R. L. Willis, 5037 Michigan Ave., having plans prepared by V. J. DeFoe, 1704 Baltimore Ave., 1 story, basement and balcony, 65 x 165 ft. steel, 3804 Main St. $200,000.

Mo., Maplewood—EXCHANGE—Southwestern Bell Telephone Co., Bway. and Locust St., St. Louis, having preliminary plans prepared Marshall Exchange, 2 story and basement, rein.-con. and brick, Manchester and Lanham Sts. $250,000. Private plans.

Mo., St. Louis—CLUB and DORMITORY—Queens Daughters, 3730 Lindell Blvd., soon takes bids 4 story and basement, 62 x 120 x 213 ft., brick and concrete, Lindell Blvd. $200,000.

Mo., St. Louis—HOTEL—L. E. Balson et al, 7054 Washington Ave., making preliminary plans 9 or 10 story and basement, rein.-con., brick, stone and steel, West Pine St. and Kingshighway. $1,000,000 or more. Private plans.

Tex., Houston—EXCHANGE—Southwestern Bell Telephone Co., Broadway and Locust St., St. Louis, Mo. had plans prepared by Sanguinet & Statz, 1st Natl. Bldg., Fort Worth, 4 story and basement, rein.-con. and brick, addition to No. 3 exchange. $200,000.

Tex., Port Arthur—HOTEL—Plaza Hotel Co., H. Westball, mgr., having preliminary plans prepared by H. S. Green, Alamo Natl. Bank Bldg., San Antonio, remodeling and constructing 3 story, rein.-con. and tile addition. $200,000.

Tex., San Antonio—OFFICE—M. Goodman having preliminary plans prepared 12 story and basement, 26 x 136 ft. rein.-con., Houston St. between Broadway and North Alamo Sts. $400,000. Engineer not selected.

Tex., Sherman — ADMINISTRATION — Austin College, T. S. Slyce, pres., having plans prepared by Clyce & Rolfe, archt., 306 Commercial Bank Bldg., and C. D. Hill & Co., consult. archt., 801 Central Bank Bldg., Dallas, 2 story, rein.-con., brick, stone and terra cotta, on campus. $175,000.

Tex., Wellington—HOTEL—W. A. Renner having plans prepared 3 story and basement, 50 x 150 ft., fireproof hotel. $150,000. Private plans.

Tex., Wichita—CIVIC CENTER—Chamber of Commerce, W. D. Cline, chn. Bldg. Comm., plans civic center. $1,000,000. Engineer and architect not selected.

Okla., Muskogee — COURT HOUSE — Muskogee Co. plans 2 story and basement, 90 x 160 ft., Creek St. $160,000. Architect not selected.

Okla., Tulsa—OFFICE—Independent Oil & Gas Co., having preliminary plans prepared by Smith & Senter, Okmulgee, 5 story (ultimately 12 story) and basement, 77 x 140 ft., rein.-con. and steel office building. $350,000. This corrects report in July 23 issue.

Okla., Tulsa—STATION—Atchison, Topeka & Santa Fe R.R. Co., Ry. Exch. Bldg., Chicago, Ill., C. F. W. Felt, co. engr., St. Louis-San Francisco R.R. Co., 120 Bway., New York City, F. G. Jonah, ch. engr., and Missouri-Kansas & Texas R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., F. Ringer, ch. engr., plan new union station, here. $1,500,000.

Okla., Vinita — HOSPITAL — State Bd. Pub. Affairs, Capitol Bldg., Oklahoma City, having preliminary plans prepared by J. Hicks, 19½ West Main St., Oklahoma City, 2 or 3 story, rein.-con., brick and stone, $180,000, tuberculosis cottage, $35,000 and cold storage plant, $25,000 at Eastern Oklahoma Hospital for Insane.

Wash., Seattle — GARAGE — W. A. Meahan, c/o J. Davis Co., 807 2nd St., having plans prepared 4 story, 120 x 120 ft., fireproof garage, 6th and Union Sts. $185,000.

Calif., Balboa Beach (Balboa P. O.)—CLUB—Southern Seas Club, J. P. Greely, vice-pres., had preliminary plans prepared by Ruoff & Munson, 1103 Story Bldg., Los Angeles, 8 story and part basement, 60 x 110 ft. club house, with swimming pool. $800,000.

Calif., Long Beach — CLUB—Scottish Rite Masonic Temple Assn., had plans prepared by Wright & Gentry, Marine Bank Bldg., 3 story and basement, 100 x 150 ft., steel, brick and hollow tile, 9th St. and Elm Ave. To exceed $300,000.

Calif., Los Angeles—APARTMENT—R. Wilson, c/o H. S. Bradley, archt., 1013 Hollywood Guaranty Bldg., made plans 4 story, and basement, brick and steel, 2nd St. and Lafayette Park. $175,000.

Calif., Los Angeles—BANK and OFFICE—F. Webster, 922 Hollywood Guaranty Bldg., plans 12 story and basement, 65 x 160 ft., 1st St. and Bway. $750,000 or more.

Calif., Oakland — FIRE ALARM STATION—City plans to appropriate $170,000 for central fire alarm station. W. W. Harmon, city engr.

Calif., Santa Barbara—HOTEL—N. Callahan, c/o Barbara Hotel, plans 3 story, 125 x 225 ft., rein.-con. hotel, State St. $200,000 or more.

Calif., San Bernardino—STORE and OFFICE—Anderson Co. having plans by H. E. Jones, 445 4th St., 5 story, 55 x 150 ft., rein.-con. and steel, E and 3rd Sts. $250,000.

Calif., San Francisco — GARAGE — H. Lessor, A. Aronson, et al., 58 2nd St., having plans prepared by Ashley & Evers, 58 Sutter St., 5 story and basement, rein.-con., Jessie St. near 4th St. $250,000.

Calif., San Francisco—HOSPITAL—St. Mary's Hospital, Hayes and Stanyan Sts., having plans prepared by Shea & Shea, 454 Montgomery St., 5 story, rein.-con. annex, Hayes St. $800,000.

Calif., San Francisco—HOTEL—G. Borchardt, archt., c/o G. L. Rosebrook, Monadnock Bldg., having preliminary plans prepared 6 story and basement, brick and steel, Sacramento St. near Van Ness Ave. $165,000.

Calif., San Francisco—THEATRE and STORE—H. M. Seigler, c/o Reid Bros., archts., 105 Montgomery St., had plans prepared fireproof, Fillmore and California Sts. $250,000.

Calif., Taft—THEATRE, OFFICE, etc.—West Coast Theatres, Inc., Knickerbocker Bldg., having plans prepared by L. A. Smith, Lily-Fletcher Bldg., Los Angeles, 2 story, 120 x 150 ft., brick, theatre, store and office building. $150,000.

Que., Montreal—HOSPITAL—J. J. York, pres. Montreal Homeopathic Hospital, 144 McGill, College Ave., soon takes bids new hospital. $500,000.

Ont., Ottawa—APARTMENT—Millson & Burgess, archts., 185 Sparks St., soon takes bids 7 story and basement, 190 x 200 ft. rein-con., brick and stone, plain foundation, Elgin St. $1,000,000. Owner's name withheld.

Ont., Toronto—EXCHANGE—Bell Telephone Co., 76 Adelaide St., West, plans 4 story and basement, concrete, brick and steel, plain foundation, telephone exchange, Simpson St. $200,000. F. Kennedy, 76 Adelaide St., mgr.

BIDS DESIRED

N. H., Durham — DORMITORY — New Hampshire State College taking bids 3 story and basement, 45 x 130 ft. dormitory with 31 x 61 ft. wing, brick and cast stone. $175,000. E. T. Huddleston, Durham.

Mass., Boston—APARTMENT—One Hundred Thirty-Seven Marlboro St., Inc., c/o Boartman Co., Ames Bldg., taking bids 10 story and basement, brick and limestone, plain foundation, 137 Marlboro St., $300,000. Noted June 18.

Mass., Boston — APARTMENT — Eighty One Beacon St., Inc., c/o J. D. Leland Co., archts., 41 Mt. Vernon St., taking bids 7 story and basement, brick and granite, plain foundation, 81 Beacon St., $250,000. Noted Apr. 23.

Mass., Boston — APARTMENT — Castlegate Realty Corp., 20 Pemberton Sq., taking bids 4 story and basement, 50 x 85 ft., brick and steel, Normandy and Washington Sts. $150,000. S. S. Levy, 35 Court St., archt.

Mass., Boston — HOTEL — Aug. 17, by Statler Hotel Co., 33d St., and 7th Ave., New York City, 14 story and basement, brick, stone and terra cotta, Province St., and Columbus and St. James Aves. $4,000,000. G. B. Post & Co., 101 Park Ave., New York City, archts. Noted July 9.

Buildings—Commercial (Continued)

Mass., Brookline (Boston P. O.)—HOME—New England Deaconess Assn., 6 Deaconess Rd., taking bids 3 story and basement, brick and tile, plain foundation. $150,000. E. W. Deering, 10 Deaconess Rd., archt. Noted July 9.

Mass., Cambridge (Boston P. O.)—DORMITORY—Harvard University, taking bids Strauss Dormitory, 4 story and basement, brick and stone, plain foundation. To exceed $150,000. Colllidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, archts. French & Hubbard, 210 South St., Boston, engrs. Noted May 21.

Mass., Cambridge (Boston P. O.) — DORMITORY—Harvard University, A. L. Lowell, pres., taking bids 4 story and basement, 120 x 200 ft., brick and steel, McKinlock Memorial, Mill and DeWolf Sts. $500,000. French & Hubbard, 210 South St., Boston, engrs., and Collidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, archts.

Mass., Cambridge (Boston P. O.)—THEATRE — College House Trust, c/o C. A. Newhall, 73 Tremont St., Boston, taking bids 1 story, 50 x 100 ft., brick, stone and steel, plain foundation, Harvard Sq. $150,000. Mowll & Rand, 21 School St., Boston, archts.

Mass., Roxbury (Boston P. O.)—THEATRE, STORE and OFFICE—Singer Realty Co., S. A. Singer, 84 Chauncy St., taking bids 2 story, 80 x 190 ft., brick and steel, plain foundation, 19-129 Dudley St., $225,000. F. A. Norcross, 46 Cornhill St., Boston, archt.

Mass., Wellesley — HOSPITAL — Convalescent Home for Children, c/o S. W. Mead, archt., 11 Pemberton Sq., Boston, taking new bids 2 story and basement, brick and limestone addition, Wellesley Hills. $150,000. Noted June 25.

Mass., Worcester—GARAGE—C. D. Parker & Co., 150 Congress St., Boston, taking bids 2 story, concrete garage, Myrtle and Burnside Sts. $160,000. C. T. Main, 200 Devonshire St., Boston, engrs. and archts.

Mass., Worcester—THEATRE and OFFICE—B. I. Coonen, 6 Tahanto Rd., taking bids 1 and 2 story and basement, brick, stone and steel, Franklin and Porter Sts. $150,000. R. Garland, 340 Main St., engr. and archt.

R. I., Providence — HOME — Swedish Working Men's Assn., c/o Clark & Howe, Turks Head Bldg., taking bids 3 story and basement, brick and stone, Chestnut & Penn Sts. $150,000.

N. Y., Marcy—COTTAGES—Aug. 26, by State Hospital Comn., Albany, constructing Cottages A, B, C and D, at Utica State Hospital, Marcy Div., here. S. W. Jones, state archt.; adv. E. N.-R. Aug. 6.

Pa., Phila.—CENTENNIAL—Aug. 7, by J. Maliter, city archt., 1315 Walnut St., 1 story and ground floor, 392 x 970 ft., steel stucco and concrete, Packer Ave. and Broad St., for Sesquin Centennial International Exch. W. F. Meyer, 5th and Chestnut Sts., pres.

Pa., Phila.—THEATRE, etc.—Aug. 10, by Hoffman-Henon Co., archts., Finance Bldg., and Magazine Eberhart-Harris, archts., 603 Chestnut St., 2 and 3 story and basement, 71 x 87 x 168 ft., brick and steel, plain foundation, Ogontz Ave., and Chelton Ave., for Agontz and Church Lane Realty Co., c/o archt. Noted July 2.

O., Cleveland—EXCHANGE—Aug. 8, by Ohio Bell Telephone Co., A. Eide, building mgr., 4300 Euclid Ave., 2 story and basement, 83 x 85 ft., 4314 West 35th St. G. A. Kositsky, engr., and F. A. Ward, archt., both at 4300 Euclid Ave. Noted July 2.

O., East Cleveland (Cleveland P. O.) — APARTMENT—S. Katz, Swetland Bldg., Cleveland, taking bids 3 story and basement, 38 x 106 ft., brick, Overlook Rd., here. $150,000. M. Weis, 617 Union Bldg., Cleveland, archt.

O., Lakewood (Cleveland P. O.) — APARTMENT—L. Cahn, 2099 Lamberton Rd., taking bids 3 story and basement, 45 x 166 ft., brick, Lewis Drive. $150,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt. Noted Aug. 28.

Wis., Madison—DORMITORY—Aug. 21, by University of Wisconsin, M. E. McCaffrey, secy., 3 story and basement, brick, stone and concrete, plain foundation men's dormitory. $700,000. A. Peabody, Capitol, state archt. Noted June 25.

Ia., Iowa City—DORMITORY—See "Contracts Awarded."

Tex., Breckenridge—COURT HOUSE and JAIL—Aug. 20, by J. W. Hill, judge Stephens Co., 4 story and basement, rein.-con. brick, steel and stone court house and jail. $400,000. D. S. Castle, 26-31 Radford Bldg., Abilene, archt. Noted July 30.

Ont., Toronto—HOSPITAL—Aug. 20, by J. P. Hynes, archt., 73 King St. W., 7 story and basement, 60 x 90 ft., rein.-con., brick and steel, plain foundation, Victoria St., for St. Michaels Hospital, 30 Bond St. $500,000.

BIDS RECEIVED

Pa., Phila.—HOSPITAL—Dept. Health, W. Krusen, dir., City Hall, July 31, general contract 4 story and basement, 45 x 126 ft. and 60 x 125 ft. administration building, 2 story and basement, 94 x 124 ft. clinic, 5 story and basement, 50 x 113 ft. and 31 x 85 ft. Childrens Ward A, 5 story and basement, 50 x 113 ft. and 30 x 83 ft. each Womens Nervous Ward A, Womens Surgical Ward C, Mens Surgical Ward D, Womens Medical Ward E, Mens Medical Ward F and Maternity Ward G with connecting corridors, rein.-con., brick and steel, 34th and Pine Sts., from F. W. Mark Contg. Co., Commercial Trust Bldg., $3,473,221; plumbing, from N. Connelly, 1404 North 18th St., $334,000; heating, from W. Anderson, 600 Schuylkill Ave., $518,345; electrical work, from Ross Electric Contg. Co., 106 Fairmount St., $274,000. Noted July 30.

CONTRACTS AWARDED

Me., Bangor — HOME — Eastern Maine General Hospital, 4 story and basement, 64 x 143 ft., concrete, brick and stone nurses home, to McPherson & Barrows, 26 Hodgdon St. Archts. est. $225,000. Noted June 18.

Me., Sanford—STORE—Green Bros., c/o Krokyn & Browne, archts., 220 Devonshire St., Boston, 2 story and basement, 100 x 104 ft., brick, to J. Johnson, Saco. Archts. est. $150,000. Noted July 16.

Mass., Boston—GARAGE—T. J. Moynahan, Jr., and A. Erlandson, 59 Carver St., 2 story, 140 x 290 ft., rein.-con. brick and steel, plain foundation, 210 Albany St., to L. S. Koufman, 43 Tremont St. Archts. est. $250,000. Noted July 23.

Mass., Boston—OFFICE—J. W. Grady, 336 Tremont St., 5 story and basement, brick, plain foundation, to A. P. E. Gascoigne, 6 Beacon St. Archts. est. $150,000.

Mass., Cambridge (Boston P. O.)—OFFICE and STORE—Manufactures Natl. Bank, Kendall Sq., Boston, 5 story, 52 x 157 ft., rein.-con., brick and stone, plain foundation, also 2 story top addition to present 3 story building, to S. C. Sperry Co., 292 Main St. Archts. est. exceed $150,000. Noted June 18.

Mass., Canton—CLUB—Blue Hills Country Club, B. E. Morse, chn., 2 story, 40 x 110 ft., brick and stone, Pecunit St., to Cross & Roberts, 101 Milk St., Boston. Archts. est. $150,000.

Mass., Roxbury (Boston P. O.)—THEATRE—Shawmut Theatre, 362 Blue Hill Ave., 1 and 2 story, brick and steel, to McGraw & Sons, 132 Washington St., Boston. Archts. est. to exceed $150,000.

R. I., Providence — AUDITORIUM — Rhode Island Auditorium Inc., c/o Funk & Wilcox, 26 Pemberton Sq., Boston 1 story, 160 x 400 ft., rein.-con., brick and stone, plain foundation, North Main St., to A. W. Merchant, Inc., Hostial Trust Bldg. Archts. est. $500,000. Noted June 11.

R. I., Providence—STORE and OFFICE—C. Brown, Narragansett Hotel, 4 story and basement, brick and granite, plain foundatioin, Dean St., to Belcher Constr. Co., 75 Westminster St. Archts. est. $150,000.

R. I., Woonsocket—STORE—Kane Furniture Co., 86 North Main St., 4 story and basement, 60 x 150 ft., brick, stone and terra cotta, Main and Church Sts., to Bouvier Brien Constr. Co., 189 Sayles St. Archts. est. $200,000. Noted July 16.

R. I., Woonsocket—STORE and THEATRE—Stadium Realty Corp., 4 story and basement, 55 x 110 ft. business building, 2 story, 50 x 65 ft. arcade for stores, and 1 story and basement 85 x 145 ft. theatre, all brick and steel, to Eastern Constr. Co., 345 North Main St. Archts. est. $500,000. Noted July 16.

Conn., Danbury—APARTMENT — Griffing Apartments, Deer Hill Ave., 5 story, 95 x 120 ft., brick and steel, to Tracy Bros., Grand St., Waterbury.

Conn., East Hartford (Hartford P. O.)—OFFICE, etc.—Economy Grocery Co., 85 South Leonard St., Waterbury, 2 story, 50 x 200 ft., brick office and manufacturing building, 1 story, 200 x 315 ft., brick and timber warehouse, 1 story, 55 x 125 ft., rein.-con. and steel garage, and 25 x 40 ft., brick boiler house, Park Ave., to H. Wales Lines Co., 134 State St., Meriden, Archts. est. $225,000. Noted June 18.

Pa., Marcus Hook—OFFICE, etc.—Ballinger Co., archts., 12th and Chestnut Sts., Phila., 2 story and basement, 51 x 129 ft., rein.-con. and brick office, 2 story, 25 x 47 ft., fire house, general contract to Wark Co., 1600 Walnut St., Phila.

Pa., Willow Grove — THEATRE and APARTMENT—Rothwell Co., c/o E. R. Rothwell, 2 story and basement, 108 x 200 ft., brick and steel, plain foundation, to A. G. Warren Co., 1525 Cherry St., Phila. Archts. est. $250,000. Noted April 9.

Md., Baltimore — EXCHANGE — Chesapeake & Potomac Telephone Co. 5 Light St., 3 story and basement, 63 x 152 ft., brick and steel, 31st and Guilford Aves., to Frainie Bros. & Haigley, 19 West Franklin St., $150,000.

Ga., Alto — HOSPITAL — State Bd. Health, 4 story and basement, rein.-con., brick and tile, to C. H. Van Ormer, Healey Bldg., Atlanta, Ga. Engrs. est. $500,000. Noted June 25.

O., Canton—GARAGE—Peerless Auto Sales Co., 421 Cleveland Ave. N. W., 2 story and basement, 100 x 150 ft. garage, Walnut Ave. N. W., to R. C. Witters Co., Witters Bldg., $150,000. Noted May 21.

O., Cincinnati—INDUSTRIAL—Nivison-Weiskopf Co., Elm St., 1 story, 180 x 250 ft., rein.-con. and brick, plain foundation, Reading Rd., to E. P. Koenig, Jefferson St., $150,000.

O., Cleveland—APARTMENT and OFFICE—Gund Realty Co., L. F. Roether, secy., 1476 Davenport Ave., 3 story, 100 x 100 ft., brick and concrete, East 55th St. and Superior Ave., to E. F. Gibbons Constr. Co., Union Trust Bldg. Archts. est. $150,000.

O., Cleveland—OFFICE and GARAGE—J. H. Shaffrank, 9801 Lake Ave., 1 and part basement, 100 x 150 ft., brick, West 117th St. and Clifton Blvd., to J. Baskin, 9729 Parkgate Ave. Archts. est. $150,000.

O., Columbus—OFFICE—Ohio Fuel & Supply Co., 99 North Front St., 4 story and basement, 31 x 187 ft., steel and rein.-con., 105 North Front St., to J. W. Heckart, Comstock Bldg., approximately $200,000.

Neb., McCook—STATION and HEADQUARTERS—Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, Ill., 1 story, brick and concrete passenger and freight depot, also office, store house, etc., here to E. Rokahr & Sons, 1743 South 24th St., Lincoln, Engrs. est. $200,000. Noted May 21.

Ill., Alton—CONVENT—Ursuline Sisters, 4th and Alton Aves., general contract 3 story, brick, rein.-con. and stone, to J. Clyde Evans Constr. Co., 509 South 6th St., Springfield, $162,958. Noted Nov. 13.

Ia., Iowa City—DORMITORY—State Bd. Educ., Des Moines, will build men's dormitoory, 2 story and basement, on campus, here, by day labor. $200,000. Former bids rejected. W. H. Gemmill, secy. Noted July 9.

S. D., Hot Springs — HOME — State Soldiers Home, P. P. Sheldon, secy., general contract 4 story and basement, 108 x 150 ft., women's home, rein.-con., brick and stone, to H. Carlson, 407 Minnehaha Bldg., Sioux Falls, $138,145.

Mo., Kansas City—BUSINESS—C. H. Smith, 608 Bryant Bldg., 7 story and basement, rein.-con. and brick, 15th and Baltimore Sts., to Manhattan Constr. Co., 616 Pioneer Trust Bldg. To exceed $150,000.

Tex., Amarillo — HOSPITAL — Atchison Topeka & Santa Fe Hospital Association, J. P. Kaster, chief surgeon, 3 story, 3 wings, 81 x 40 ft. and 1 wing 40 x 40 ft. to R. E. McKee, El Paso, $154,405.

Tex., Dallas—GARAGE—Perry Motor Co., 615 Good St., 3 story brick, stone, steel and rein.-con., Pacific Ave., to The Watson Co., 1927 South Okard St., Fort Worth, $150,000.

Tex., Galveston — WAREHOUSE — Merchants & Planters Compress & Warehouse Co., 4602 Ave. J, 1 story, 300 x 500 ft., rein.-con., to J. T. Taylor, 1209 Burk Burnett Bldg., Fort Worth. $150,000. Engrs. est. $200,000.

Tex., Ft. Worth—WAREHOUSE—Morning Dry Goods Co., 4th and Main Sts., 6 story and basement, 75 x 200 ft., rein.-con. and brick, plain foundation, Main St., to Butcher & Sweeney, 806 Taylor St., $198,830.

Calif., Los Angeles — APARTMENT — Southern States Realty Co., completing San Jacinto Apartments, 12 story (concrete frame is at present completed to 9th floor), 100 x 150 ft., concrete and timber with 50 x 100 ft. concrete garage, 6th and Carondelet Sts., to Winter Constr. Co., 2400 West 7th St., $422,422.

Calif., Los Angeles—LOFT—Harris-Newmark Estate, c/o Curlett & Beelman, archts., Union Bank Bldg., 12 story and basement, 140 x 160 ft., rein.-con., 9th and Los Angeles Sts., to Baruch Corp., I. W.

Buildings—Commercial (Continued)

Hellman Bldg., $550,000. Klein-Norton Co., 254 South Los Angeles St., lessee. Noted June 18.

Calif., Los Angeles—THEATRE, BANK, etc.—J. W. Hackett, 2 story, part basement, 150 x 150 ft., rein.-con., brick and steel theatre, bank, office and store building, Brooklyn Ave. and Gage St., to Holland, Jones & Saffill, 510 Spring St., Arcade Bldg., approximately $150,000.

Calif., San Francisco—APARTMENT—A. West, c/o F. S. Holland, archt., 137 9th Ave., 5 story and basement, rein.-con., Larkin St. near Geary St. to G. P. W. Jensen, 320 Market St., $165,000.

Calif., San Francisco—HOTEL—D and J. H. Herbst, 1525 Mission St., 6 story and basement, brick, Geary near Hyde St., to F. R. Siegrist Co., Inc., 693 Market St., $155,650.

Calif., Santa Monica—CLUB—Casa Del Mar Club, 5 story, 145 x 183 ft., rein.-con. and timber top addition ft. Pico Blvd., to Bard & Co., 405 Union Oil Bldg., Los Angeles, $695,000.

Buildings—Educational, Religious

PROPOSED WORK

Me., Orono—MECHANICAL and ENGINEERING — University of Maine, H. S. Boardman, dean, having plans prepared by Strickland, Blodgett & Law, engrs. and archts., 26 Pemberton Sq., Boston, 2 story, mechanical and engineering building, brick and limestone. To exceed $150,000.

Me., Portland—SCHOOL—City, E. C. Robinson, chn. bulding com. having revised plans prepared by Miller & Mayo, 465 Congress St., 2 story and basement, brick, Brown St., South Portland Sect. $150,000. Former bids rejected. Noted May 28.

N. H., Concord—HIGH SCHOOL—City, H. J. Lake, 97 North Main St., having plans prepared by J. D. Leland Co., 41 Mt. Vernon St., Boston, 2 story and basement, brick high school. $150,000. Noted June 4.

Mass., Boston — CHURCH — Brighton Baptist Church, c/o Blackall, Clapp & Whittemore, archts., 20 Beacon St., making sketches 1 story and basement, Cambridge and Gordon Sts. $150,000 or more.

Mass., East Douglas—HIGH SCHOOL—Supt. Schools taking bids 2 story and basement, 70 x 100 ft. high school with 43 x 83 ft. wing, brick and stone. $150,000. Ritchie, Parsons and Taylor, 15 Ashburton Pl., Boston, engrs. and archts. Noted July 30.

Mass., Montague—SCHOOL—Town, J. J. Quin, chn. building com. having plans prepared by J. F. Cullen, 33 Washington St., Boston, 2 story and basement, brick and stone, Crocker Ave. $150,000. Noted July 9.

Mass., Natick—SCHOOLS—A. H. Frittz, chn. School Com. having sketches made by McLaughlin & Burr, 88 Tremont St., Boston, three 1 and 2 story, brick and stone schools. To exceed $150,000. Noted July 2.

Mass., North Reading—SCHOOL—School Com. having plans prepared by Adden & Parker, 177 State St., Boston, 2 story and basement, brick and stone school. $150,000.

Mass., Taunton — SCHOOL — School Dept., City Hall, having plans prepared by McLaughlin & Burr, 88 Tremont St., Boston, 2 story and basement, brick and steel $250,000. Noted Dec. 4.

Mass., Worcester—SCHOOL—City, Building Dept., City Hall, having plans prepared by G. C. Halcott, 7 Shepard St., 40 room, brick and steel school, to incl. domestic science and manual training room, Walnut St. $1,000,000.

R. I., Auburn (mail Providence)—HIGH SCHOOL—City of Cranston, School Bd., having plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, 3 story and basement, 190 x 275 ft., brick and steel, Park Ave. $600,000.

Conn., Winsted—SCHOOL—Town, Bldg. School Com. having plans prepared by W. E. Hunt, 197 Water St., Torrington, 2 story and basement, brick and steel, 1st. Dist. $150,000.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., brick, steel and stone, plain foundation, Clarkson Ave., here. $1,200,000.

N. Y., New York—COLLEGE—New York University, 32 Waverly Pl., having plans prepared by McKim, Mead & White, 101 Park Ave., 15 story, 100 x 200 ft., brick, steel and stone addition, plain foundation, Washington Sq. and 4th St. $3,000,000.

N. C., Kinston—SCHOOL—Voted $150,000 bonds for new school. Noted Mar. 5.

N. C., Raleigh — DORMITORY and LIBRARY—Peace Institute, W. C. Pressly, bus. mgr., plans dormitory and library. $200,000.

La., Shreveport—CHURCH—First Methodist Congregation, c/o R. E. Goodrich, pastor, plans church addition. $500,000. Engineer and architect not selected.

O., Hudson — CHURCH and PARISH HOUSE—Hudson Episcopal Church, c/o G. F. Patterson, archdeacon, 2241 Prospect Ave., plans brick and steel church and parish house. $200,000. Engineer and architect not selected.

Mich., Detroit—SCHOOL—St. Leos Parish, Grand River Ave., had plans prepared by Donaldson & Meier, 1314 Penobscot Bldg., 3 story and basement, 60 x 160 ft., concrete, brick and steel, plain foundation, Grand River Ave. $160,000.

Mich., Erin (Mt. Clemens P. O.) — SCHOOL—Bd. Educ. Erin Twp., Macomb Co., c/o J. G. Kastler & Co., archts., 523 Detroit Savings Bank Bldg., having plans prepared 2 story and basement, 115 x 132 ft., rein.-con., brick and steel, plain foundation.

Ill., Chicago—HIGH SCHOOL—W. G. Carnegie, archt., 6 North Clark St., soon takes bids 2 story and basement, 100 x 119 ft., rein.-con. high school for Chicago Christian High School, 71st and May Sts. $200,000.

Ill., Evanston—CHURCH—Talmadge & Watson, archts., 160 North La Salle St., Chicago, preparing plans and take bids about Aug. 18, 1 story, 65 x 183 ft. with 107 ft. tower, slate, brick and stone church here, for 1st Congregational Church. $150,000-$200,000.

Wis., New London—CHURCH—Church of Most Sacred Blood, c/o O. Kolbe, pastor, having plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, 2 story, brick and concrete, plain foundation, here. $150,000. Noted July 23.

Wis., Racine—HIGH SCHOOLS—Voted $900,000 bonds 2 high schools, for Bd. Educ., A. H. Schafer, secy. Noted June 4.

Ia., Des Moines—EDUCATIONAL—University Church of Christ, C. S. Medbury, 1144 4th St., taking bids 4 story and basement 92 x 126 ft. rein.-con. educational building, 25th and University St. $250,000. B. Higgins, 420 Securities Bldg., archt.

Neb., Falls City—HIGH SCHOOL—Bd. Educ., F. Brecht, secy., soon takes bid 3 story and basement, 175 x 210 ft., rein.-con., brick and stone high school. $250,000. Fiske, Meginnis & Schaumberg, 533 Bankers Life Bldg., archts. Noted April 23.

Mo., Kansas City—HIGH SCHOOL—Bd. Educ., Pub. Library Bldg., had plans prepared by C. A. Smith, 800 Finance Bldg., and soon takes bids 3 and 4 story and basement, rein.-con., brick and stone Junior High School, incl. swimming pool and 2 gymnasiums, etc. $300,000. Noted July 23.

Tex., Denton—LIBRARY—Bd. Regents, College of Industrial Arts, c/o L. Blayney, pres., Denton, plans Bradley Library on campus. $150,000. Engineer and architect not selected.

Okla., Norman — CHURCH — First Christian Congregation having plans prepared by Sorey & Vahlberg, 212½ West Walnut St., Oklahoma City, 1 and 2 story, rein.-con., brick and stone, church and Sunday school. $250,000.

Ore., Portland—SCHOOLS—School Dist. No. 1, having plans prepared by G. H. Jones, 2 story, 25 room school, East 6th and Wygant Sts., $250,000; also 1 story, 12 room school, 72d and St. Mary Sts. $75,000.

Calif., Los Angeles—HIGH SCHOOL—City having plans prepared by Kistner & Co., Detwiler Bldg., John Adams High School, 3 story and basement, 168 x 184 ft., rein.-con. and brick. $200,000 or more.

BIDS DESIRED

Me., Bangor — SCHOOL — City, A. B. Garcelon, supt. schools, taking bids 2 story and basement, 64 x 208 ft., with 64 x 80 ft. wing, brick and stone, plain foundation, Bway., $250,000. A. S. Kellogg, 89 Franklin St., engr. C. P. Crowell & W. S. Lancaster, 27 State St., archts. Noted June 25.

Vt., Rutland—CHURCH—Methodist Episcopal Church, C. E. Price, 59 Elm St. pastor, taking bids 1 story and basement, brick and stone, $200,000. Woodbury & Stuart, 581 Boylston St., Boston, archts. Noted Apr. 30.

Mass., Concord — CHURCH—Trinitarian Congregational, c/o Froham, Robb & Little, archts., 140 Boylston St., Boston, taking bids 1 story and basement, 65 x 100 ft. brick and stone church, $150,000. Noted Nov. 27.

Mass., Marlboro—PARISH HOUSE—St. Anns Italian Roman Catholic Church, taking bids 2 story and basement, brick and stone, Lincoln & Gibbons Sts. $150,000. W. B. Colleary, 80 Boylston St., archts. Noted July 9.

Mass., Medford—SCHOOL—City, C. H. Lowell, chn. School Building Com., taking bids 2 story and basement, 62 x 110 ft., brick and stone, plain foundation, Horne Ave., Fulton Heights, $150,000 or more. M. A. Dyer, 1 Beacon St., Boston, archt.

Mass., Rosindale (Boston P. O.) — CHURCH—Church of Our Savior taking bids 1 and 2 story, stone and granite, South St. $150,000. H. E. Davidson & Son, 46 Cornhill St., Boston, archts. Noted July 23.

R. I., North Smithfield—SCHOOL—Town School Bd. taking bids 2 story and basement, brick school, Great Rd. $150,000. W. R. Walker & Son, 49 Weybosset St., Providence, archts. Noted Aug. 6.

R. I., Pawtucket—SCHOOL—City, W. C. Kendrick, clk., taking new bids 3 story and basement, rein.-con., brick and steel, plain foundation, Senior High School, Exchange St., $250,000. R. C. N. Monahan, 255 Main St., archt. Noted Mar. 19.

Conn., Danbury—HIGH SCHOOL—City, 2 story, brick high school, to Hewlett Co., 886 Main St., Bridgeport, $379,730. Noted July 16.

Conn., Windsor—SCHOOLS—Aug. 7, by Bd. Educ., C. B. Searle, chn. Pleasant St., two schools, 6 and 8 rooms each, brick and steel, one at Wilson Station, other Town Center. $150,000. H. A. Hayden, 175 Main St., Bristol, archt. Noted Dec. 18.

Pa., Elizabethtown—SHOPS, etc.—Aug. 18, by E. A. Wightman, archt., Bankers Trust Bldg., Phila., 1 and 2 story and basement, 128 x 212 ft., brick, plain foundation, on Masonic Home Grounds for Trustees Thomas Patton Rankin Memorial School for Boys, c/o archt.

Pa., Lawndale—RELIGIOUS, etc.—Aug. 26, by Lawndale Methodist Episcopal Church, 2 story and basement, 83 x 102 ft., brick, plain foundation, Levick and Palmetto Sts. Bureau Architecture Methodist Episcopal Church, 1701 Arch St., Phila., archts.

O., Columbia—HIGH SCHOOL—Aug. 31, by Bd. Educ., E. L. McCune, clk., 20 South 3rd St., Junior High School, 3 story and basement, 105 x 140 ft., rein.-con. and brick, Dennison and 4th Aves. $200,000. H. D. Smith, 20 South 3rd St., archt.

Ia., Marshalltown—HIGH SCHOOL—Aug. 11, by Bd. Educ., 2 story and basement, rein.-con., brick, tile and stone school. $200,000. H. E. Reimer, Kibby Bldg., and Dougher, Rich & Woodburn, 320 Valley Natl. Bank Bldg., Des Moines, archts. Noted July 30.

Mo., Poplar Bluff—SCHOOL—Aug. 10, by Bd. Educ., erection and completion new school, here. M. Laubis, Poplar Bluff, archt.

Ark., Hot Springs — HIGH SCHOOL — Aug. 29, by U. McKenzie, supt. Bd. Hot Springs Special School Dist., No. 6, 3 story, 134 x 138 ft., rein.-con., brick and stone, junior high school, Oak and Olive Sts. Mann & Stern, 708 A. O. U. W. Bldg., Little Rock, archt. Noted May 21.

Ont., Toronto—SCHOOL—Aug. 14, by W. W. Pearse, 155 College St., 2 story and basement, 8 room, school for Bd. of Educ. C. Dyson, 155 College St., archt.

BIDS RECEIVED

N. J., New Brunswick—RECITATION—Bd. Institutions & Agencies, Trenton, general contract 3 story and basement, 70 x 174 ft., concrete and brick, from C. McCaul Co., 1719 Sansom St., Phila., Pa. $154,638. Noted July 16.

D. C., Wash.—SCHOOL—Dist. Comr., 8 room addition to Bell School, from Skinker & Garrett, 1416 F St. N. W., $175,472.

Tenn., Memphis—HIGH SCHOOL—Bd. Educ., July 27, Negro Industrial High School from O. E. Bass Constr. Co., $174,000.

Ia., Iowa City — CHEMISTRY — State Bd. Educ., Des Moines, W. H. Gemmill, secy., general contract 4 story and basement, rein.-con., brick, tile and stone addition for State University, here, from J. W. Hopp Co., 415 Granby Bldg., Cedar Rapids, $134,490.

Calif., Sunnyvale — HIGH SCHOOL — West Side Union High School Dist., July 16, rein.-con. high school, from W. J. Ochs, Fresno, $97,386. Noted July 9.

CONTRACTS AWARDED

Me., Guilford—HIGH SCHOOL—Town, Superintendent Schools, 1 story and base-

Buildings—Educational, Religious (Cont.)

ment, 57 x 140 ft., brick and stone high school, to C. T. Reynolds, Augusta. Archts. est. $150,000. Noted July 30.

N. H., Littleton—HIGH SCHOOL—Town, A. T. Downing, chn., 2 story, 114 x 150 ft., brick and steel, plain foundation, to E. H. Hunter, Hanover. Archts. est. $150,000. Noted July 23.

Mass., Boston—SCHOOL—School House Dept., T. P. Glynn, chn., 1 story and basement, brick and limestone addition to Charles Louge School, Tileston Dist., Dorchester, to Thomas O'Connor Co., 218 Main St. Archts. est. $150,000. Noted Apr. 30.

Mass., Lawrence—SCHOOL—City, Supt. Schools, 2 and 3 story and basement, 151 x 152 ft., brick and stone, Allen St., Eastern Sect., to E. A. Peabody & Son, Bay State Bldg., $323,300. Noted July 30.

Mass., Ludlow—HIGH SCHOOL—School Building Comn., 2 story and basement, brick and stone, Chestnut St., to E. J. Pinney Inc., 374 Main St., Springfield. Archts. est. $150,000. Noted July 23.

Mass., Ware—CHURCH—East Congregational Church, 1 story and basement, brick and stone church, to H. P. Cummings Constr. Co., Ware. Archts. est. $150,000. Noted June 11.

Mass., Worcester—CHURCH and PARSONAGE—Concordia Lutheran Church, 1 and 2 story and basement, brick and stone, plain foundation, Murray Ave., to Central Building Co., 78 Front St. Archts. est. $150,000. Noted July 2.

Conn., Deep River—CHURCH—Deep River Baptist Church, 1 story and basement, brick and stone, to Pieretti Bros., Centerbrook. Archts. est. $150,000. Noted July 16.

Conn., Stamford — SCHOOL — School Comn., C. H. Martin, chn. 2 story and basement, concrete, brick and steel addition to Stevens School incl. domestic science and manual training rooms Fairfield Ave., to Vuono Constr. Co., 305 Main St., Stamford. $226,136. Archts. est. $250,000. Noted July 30.

Conn., Waterbury—HIGH SCHOOL—Notre Dame Academy, c/o Sister Faustina, South Elm St., 3 story and basement, 60 x 165 ft., brick and stone, plain foundation, to Lariviere & Hyland Constr. Co., 89 Robbins St. Archts. est. $300,000. Noted May 28.

Conn., Westport—SCHOOL—Bd. Educ., 2 story and basement, brick and steel, Greens Farms Sect., to Hewlett Co., 884 Main St., Bridgeport. Archts. est. $350,000.

N. Y., Buffalo—HIGH SCHOOL—Bd. Educ., 900 Genesee Bldg., East High School, rein.-con., brick and stone, Northampton St., to Harrison Eng. Constr. Co., Ellicott Sq. Bldg., $869,631. Noted July 23.

Pa., Johnstown — CHURCH — Memorial Baptist Church, Vine St., 2 story and basement, 99 x 125 ft., stone, plain foundation, Vine St., to Engstrom Constr. Co., 1117 Chapline St., Wheeling, W. Va., $180,000. Archts. est. $200,000.

Pa., Phila.—LIBRARY—G. H. Biles, dir. Pub. Wks., interior finish and decorating, book shelves, newspaper stacks, shelving, stairs, railings, service counters and cases, steel cabinets and filing equipment, 19th, 20th, Wood and Vine Sts., to F. W. Mark Contg. Co., Commercial Trust Bldg., $2,417,241. Noted July 9.

Pa., Pittsburgh—UNIVERSITY—University of Pittsburgh, c/o J. G. Bowman, chancellor, 52 or 53 story and basement, 260 x 360 ft., steel, Schenley Park, to Stone & Webster, Union Trust Bldg. Noted Nov. 13.

N. C., Durham—COLLEGE—Duke University, constructing 5 dormitories, auditorium, science building, library, Union building, faculty apartment, and student union building to George A. Fuller Co., Wash., D. C., $4,000,000.

Miss., Jackson—CHURCH—First Baptist Congregation, 1 and 2 story, rein.-con., brick and stone, College Ave. and North President St., to I. C. Garber, Jackson. Engrs. est. $350,000. Noted June 18.

O., Canton—SCHOOL—City, 2 story and basement, brick addition, Wells Ave. W., to Melbourne Constr. Co., Brant Bldg., $152,900.

O., Dayton — TEMPLE — Jefferson St. Synagogue, H. Lehmann, chn., rein.-con. and brick, Salem Ave., to Boyajahn & Barr, Neil and 11th Aves., Columbus, $250,000. Noted Jan. 8.

Mich., Detroit—SCHOOLS—Bd. Educ., 1354 Bway. Ave., 2 story and basement, 80 x 172 ft., Chalfonte St., and McCullough School, 2 story and basement, 82 x 171 ft., on Wildemere Ave., to Cooper-Widenmann Co., 4612 Woodward Ave., $159,183 and $155,633 respectively; Goodale School, 2 story and basement, 82 x 171 ft. Dickerson Ave., to R. Hill, Petoskey Ave. $159,182; 1 story addition to Lyster School to Bennage & McKinstrie Co., 429 Wayne St., $15,200, all rein.-con., brick and steel, plain foundations.

Ill., Lincoln—HIGH SCHOOL—Bd. Educ., general contract 2 story and basement, 100 x 120 ft., rein.-con., brick and steel community high school, to C. J. Newlin, Normal, $154,300; heating, plumbing, etc., to W. S. Bouillon, Lincoln, $36,690.

Ill., Murphysboro—HIGH SCHOOL—Bd. Educ. High School Dist. 100, general contract 2 story and basement, 80 x 115 ft. and 71 x 126 ft., rein.-con., brick and stone, also repairing auditorium and gymnasium building, etc., to Cardani Constr. Co., Herrin. Archts. est. $150,000. Noted June 25.

Okla., Edmond — COLLEGE — Central Teachers College, c/o C. Rice, Oklahoma City, 2½ story and basement, 82 x 132 ft., rein.-con., brick and stone auditorium and classroom, plain foundation, to Holmboe Co., 422 West 2nd St., Oklahoma City, $129,400.

Colo., Denver — SUNDAY SCHOOL — Trinity Methodist Episcopal Church, 1800 Bway., general contract 2 story and basement, 100 x 125 ft., brick, stone and steel, to H. Stenmark, 120 South Downing St., $96,665; plumbing and heating, to Small Bros., 1444 Court Pl., $22,606. Noted May 14.

Calif., La Verne—ADMINISTRATION—La Verne College, 2 story and basement, 135 x 165 ft., rein.-con., 3rd St., to Metzger & Son, 1007 South Grand Ave., Los Angeles, $158,800. Noted July 16.

Calif., Sunnyvile—HIGH SCHOOL—West Side Union High School Dist., general contract rein.-con. high school, to W. J. Ochs, 405 Clark St., $97,385. Noted July 9.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits.

Applications

607—Southern Sierras Power Co., Riverside, Calif. — Wants license for power development on Green Lake Creek, Inyo Co.

608—Giffen, Porter, Pearsall, Freeman & Knapp 403 South Hill St., Los Angeles, Calif.—Wants preliminary permit for power development on north and east forks of Trinity River, Trinity Co.

609—Muscle Shoals Hydro Electric Co., Sheffield, Ala.—Wants license for dam and power house in Tennessee River, Lauderdale and Colbert Counties.

610 — Mississippi Power Co., Gulfport, Miss. — Wants license for dam and appurtenant power structures in Tennessee River, Tishomingo Co., Miss., and Lauderdale Co., Ala.

611 — Lake Virginia Mining Co., 620 Alaska Bldg., Seattle, Wash.—Wants preliminary permit for dam in Mill Creek, Wrangell Recording Precinct, Alaska.

612—Bluster Consolidated Gold Silver Mines Co., Jarbidge, Nev.—Wants license for transmission line in Humboldt Natl. Forest, Elko Co.

613—Kentucky-Tennessee Light & Power Co., Bowling Green, Ky. — Wants preliminary permit for power plant on east bank of Green River, below U. S. Dam 1, Henderson Co.

614—Southern California Edison Co., 306 West 3rd St., Los Angeles, Calif.—Wants license for transmission line in Ventura Co.

615—W. G. Muncy, Crescent City, Calif. —Wants license for small power development in Kellys Gulch, Del Norte Co.

616 — Great Western Power Co., San Francisco, Calif.—Wants license to increase height of existing dam creating Lake Almanor, 45 ft., in north fork Feather River, Plumas Co.

617—Kentucky-Tennessee Light & Power Co., Bowling Green, Ky. — Wants preliminary permit for power development at Locks 2 and 3, Green River, McLean and Muhlenberg Counties.

618—Alabama Power Co., Atalla, Ala.—Wants license for 120 ft. dam and power house 6 mi. above Wetumpka, Elmore, Chilton and Goosa Counties.

619 — Feather River Power Co., 582 Market St., San Francisco, Calif.—Wants license for 106 ft. dam on Bucks Creek, conduit from Milk Ranch Creek to Bucks Creek reservoir, Plumas Co.

620—Columbia River Packers Assn. Inc., Astoria, Ore.—Wants license to construct plant on Indian Creek, Chignik Recording Dist., Alaska.

621—Inland Power & Light Co., Portland, Ore.—Wants preliminary, permit for power development in Clearwater River, Nez Perce Co., Idaho, with dam about 2 mi. above Lewiston.

622—Ventura Power Co., 7 West 10th St., Wilmington, Del. — Wants preliminary permit for power development on Sespe Creek, Ventura Co., Calif.

623—Ventura Power Co., 7 West 10th St. Wilmington, Del.—Wants preliminary permit for power development on Piru Creek, Centura and Los Angeles Counties, Calif.

624—Southern Sierras Power Co., Riverside, Calif.—Wants license for transmission line in San Bernardino Co., Calif.

Federal Government Work

PROPOSED WORK

Ill., Brookport—Steel Sheet Piling—U. S. Engineer Office, P. O. Box 72, Louisville, Ky., soon takes bids 1,400,000 lb. steel sheet piling, for Dam 52, Ohio River, here.

BIDS DESIRED

N. J., Newark—dredging—Sept. 4, by U. S. Engineer Office, Second Dist., Room 616, Army Bldg., New York, for dredging in Newark Bay, here. Adv. E. N.-R. Aug. 6.

Pa., Pittsburgh—Dam—Aug. 29, by U. S. Engineer Office, constructing Dam 4, Allegheny River, here; adv. E. N-R. Aug. 6.

Fla., Jacksonville—Pontoon catamarans —Aug. 20, by U. S. Engineer Office, pontoon catamarans for dredge Welatka; adv. E. N.R. Aug. 6.

Ky., Louisville—Steel Sheet Piling—Aug. 10, by U. S. Engineer Office, P. O. Box 72, steel sheet piling for Dam 52, Ohio River, adv. E. N-R. Aug. 6.

Ill., Great Lake—Boilers—Spec. 5139—Aug. 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to boilers at Naval Hospital, here.

Mo., Jefferson Barracks—Stable—Aug. 25, by U. S. Veterans Bureau, 791 Arlington Bldg., Wash., D. C., rein.-con., tile and brick stable and animal house.

Colorado—Aug. 17, by J. W. Johnson, dist. engr. Bureau Pub. Rd., 301 Custom House, Denver, grading 6.88 mi. Tennessee Pass National Forest Rd. Project, Pando Sect. Eagle Co.

BIDS RECEIVED

D. C., Wash.—Pipe Line—U. S. Engineer Office, Land Office Bldg., high pipe line from Lock Joint Pipe Co., Ampere, N. J., **(1)** $1.50 **(2)** $4 **(3)** $14.65 **(4)** $16 **(5)** $21 **(6)** $40 **(7)** $20 **(8)** $0.08 **(9)** $5,000. Noted July 16.

Oregon—Road—C. H. Purcell, dist. engr. Bureau Pub. Rds., 316 Post Office Bldg., Portland, surfacing and improving 1.97 mi. Williamette Valley-Florence Highway, Lane Co., from Hellier & Co., Hillsboro, $35,234.

P. I., Canacao—Hospital—Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing hospital, here, from W. F. Marten, 315 Hawaiian Trust Bldg., Honolulu, **(1)** $243,188 **(2a)** $61,263 **(2b)** $29,374 **(2c)** $93,000 **(2d)** $9,000 **(2e)** $25,458 **(3)** deduct $3,000 **(4a)** deduct $300 **(4b)** deduct $300 **(5)** deduct $1,600 **(6a)** deduct $325 **(6b)** deduct $325 **(7a)** $15 **(7b)** $0.06; from J. E. Grant, 129 Colle Padre, Faura, Manila, **(14)** $250,000 **(15a)** $55,000 **(15b)** $35,000 **(15c)** $100,000 **(15d)** $10,000 **(15e)** $20,000 **(16)** deduct $3,000 **(17a)** deduct $200 **(17c)** deduct $800 **(18a)** deduct $60 **(18c)** deduct $135 **(18d)** deduct $225 **(19a)** $0.60 **(19b)** $0.05; from O. E. Ross, 302 East Anaheim St., Long Beach, Calif., **(8)** $34,000 **(9a)** add $10,000 **(b)** $2,000 **(c)** $14,000 **(d)** $2,000 **(e)** $4,000. Noted May 21.

CONTRACTS AWARDED

Ala., Florence—Lock Gates—U. S. Engineer Office, War Dept., Wash., D. C., structural steel lock gates for Dam 1, to Penn Bridge Co., Beaver Falls, Pa., $39,770. Noted July 2.

New Mexico—Road—W. S. Wheeler, dist. engr. Bureau Pub. Rds., 242 West Washington St., Phoenix, Ariz., improving 6.1 mi. Alpine Reserve Natl. Forest Rd., Catron Co., to R. G. Thomas, Miami, Ariz., $29,435.

California—Road—C. H. Sweetser, dist. engr. Bureau Pub. Rds., 9 Main St., San Francisco, grading and surfacing 3.71 mi. Yuba Pass Rd., Sierra Co., to Tieslau Bros., 2819 Grove St., Berkeley $88,031. Noted July 2.

Unclassified

PROPOSED WORK

Baseball Cage—Cambridge (Boston P. O.), **Mass.**—Harvard Athletic Assn., F. W. Moon, having plans prepared by G. Lowell, 12 West St., Boston, 1 story, 150 x 160 ft., brick and steel baseball cage. $40,000.

Unclassified (Continued)

Seawall—Hull, Mass.—Town, Bd. Selectmen voted $25,000 for seawall along Point Allerton Ave. State to appropriate $25,000 toward cost.

Coal Trestle—Buffalo, N. Y.—Delaware, Lackawanna & Western R.R., 90 West St., New York City, plans concrete and steel coal trestle, Delaware and Taunton Aves. here. $40,000. G. J. Ray, Hoboken Terminal, Hoboken, N. J., ch. engr.

Seawall—Trenton, N. J.—City Comn. plans extending concrete seawall along Delaware River, John Fitch Way. $18,000. A. C. Gregory, City Hall, engr.

Grand Stand, etc.—Houma, La.—Com. Lenox Hotard Post of Amer. Legion, plans grand stand, track, playground, swimming pool, auditorium, dance hall, etc. $60,000 to $70,000.

Docks and Wharves—Lake Charles, La.—City making plans, docks and wharves. $500,000 bonds voted. J. F. Coleman Eng. Co., 820 Perdido St., New Orleans, engrs.

Underground Cables—Knoxville, Tenn.—Cumberland Telephone & Telegraph Co., 422 N. Magnolia St., plans to expend $150,000 for new underground cables, conduits, switch boards, etc., here. E. F. Garratt, Telephone Bldg., dist. mgr.

Telephone Lines—Illinois—Illinois Bell Telephone Co., 422 South 5th St., Springfield, plans new cable line from Rockford to Highland and installing 200 new phones. $100,000. Private plans. J. H. Corcoran, Rockford, dist. mgr.

Aquarium — Chicago, Ill. — Aquarium Society, 38 South Dearborn St., M. A. Taylor, pres., had plans prepared by Graham, Anderson, Probst & White, 80 East Jackson St., large aquarium and fish hatchery, incl. 125 to 150 tanks, sunken garden, etc. $2,000,000.

Amusement Park—Cape Girardeau, Mo.—E. E. Ebert, plans 40 acre amusement park and swimming pool.

Swimming Pool—Kansas City, Mo.—See "Buildings—Educational, Religious."

Subway—Houston, Tex.—City, c/o O. F. Holcombe, mayor, and Southern Pacific Ry. Co., 65 Market St., San Francisco, Calif., G. W. Baschke, ch. engr., had preliminary plans prepared subway under railroad tracks. $25,000. J. C. McVea, city engr.

Gas Line—Poteau, Okla.—J. I. Pfolzgral, 310 College St. plans to expend $300,000 for gas line extensions.

Lighting Systems—Mesa, Ariz.—Voted $98,500 bonds improving electric and gas systems.

Swimming Pool—Balboa Beach (Balboa P. O.), **Calif.**—See "Buildings—Commercial."

Culverts—Oakland, Calif.—Made plans rein.-con. culverts Fruitvale Ave. storm drain between East 10th St. and U. S. Tidal Canal. To exceed $90,000. W. W. Harmon, city engr.

Fire and Police Alarm Systems—Venice, Calif.—Plans election $165,000 bonds, for fire and police alarm systems.

Transmission Lines — Quebec—Ottawa-Montreal Power Co. Ltd., Hull, takes bids early in August, transmision lines at St. Lazare, $25,000, and Hudson, $30,000.

Transmisison Line—Abbotsford, Que.—Southern Canada Power Co. Ltd., Montreal, takes bids early in August, transmission lines here. $30,000.

Fire Alarm System — Quebec, Que. — Plans installing fire alarm telegraph system. $228,000. F. C. Laberge, 30 St. James St., Montreal, engr.

Power Lines — Ontario — Ontario Hydro Comn., 190 University Ave., Toronto, plans power line from Vittoria to Simcoe. $45,000. A. Beck, London, chn.

Hydro Power Line — Ontario — Ontario Hydro Power Comn., 190 University Ave., Toronto, plans extending power line from Cottam to Essex. $30,000. A. Beck, London, chn.

Wharf—Midland, Ont.—Dept. Pub. Wks., Parliament Bldgs., Ottawa, making plans new dock, here. $40,000. K. M. Cameron, Hunter Bldg., Ottawa, engr.

BIDS DESIRED

Subway—Boston, Mass.—Aug. 27, by Transit Dept., 1 Beacon St., building Sect. 1, Dorchester Rapid Transit between Dorchester Ave. and Harrison Sq. E. F. Condon, secy.; adv. E. N.-R. Aug. 6.

Heating and Ventilating—Medford, Mass.—City, C. H. Lowell, chn. School Building Com., taking bids heating and ventilating in school, Horne Ave., Fulton Heights. M. A. Dyer, 1 Beacon St., Boston, archt.

Construction Conditions

Construction is ahead of 1924 (the record year) not only in contracts awarded but in the value of proposed work on which bids have not yet been asked. To July 15, public contracts are 5 per cent greater than last year, private contracts 20 per cent.

The cost situation is very favorable to the awarding of new projects. Since May, 1924, the trend has been gently downward owing to falling prices. During this period the total decline was 9.2 per cent, with no change whatever in June, 1925. This amounts to a comparative stabilization, which is what the industry needed most. The extraordinary volume of contracts is the response.

The labor situation, also, is in a much more satisfactory condition than in previous years. There have been fewer strikes. Wages, except those of common labor, have increased slightly, but increased efficiency has seemed to offset this.

Ventilation Fans—New York, N. Y.—Sept. 8, by New York State Bridge & Tunnel Comn., G. R. Dyer, chn., and New Jersey Interstate Bridge & Tunnel Comn., T. Boettger, chn., Room 3004, Woolworth Bldg., ventilating and transformer fans with motor, in Holland Tunnel, Contr. 12.; adv. E. N.-R. Aug. 6.

Subway—New York, N. Y., Aug. 18, by Bd. Transportation, 49 Lafayette St., construction of Sect. 5, Route 78, under St. Nicholas Ave., from west 149th to West 160th Sts.

Electric Lights, Traffic Signals, etc.—Chicago, Ill.—See "Streets and Roads."

Transformers — Melbourne, Australia — Sept. 21, by Secretary State Electricity Comn., of Victoria, 32 William St., three 250 kva., 22,000-15-240 volt, 3 phase, 50 cycle, oil insulated self cooled outdoor type transformers and spare coils and bushings.

Towers—Wellington, New Zealand—Sept. 29, by Secretary Dept. Pub. Wks. constructing 440 suspension, 100 angle, and 20 strain galvanized steel transmission line towers, for Warkato Power Scheme, Sect. 124.

BIDS RECEIVED

Fire Alarm System—Brooklyn, N. Y.—Dept. Pub. Welfare, Municipal Bldg., New York City, July 27, fire alarm system in Kings Co. Hospital, here, from C. W. Mitchell, 1 DeKalb Ave., $37,690.

Station Finish, etc.—Brooklyn, N. Y.—Bd. Transportation, 49 Lafayette St., New York City, July 31, restoration of portions of station finish work in stations of Route 39, Sect. 2, Bway.-4th Ave., Agreement DX, from Dooley-Stapleton Corp., 257 Delphi Pl., $8,386, constructing station platform and reconstructing signal tower, Lawrence St. Sta., Route 33, Sect. 3, Agreement DV, from Wagner Eng. Co., 598 11th Ave., New York City, $7,860. Noted July 30.

Underground Cable — Long Island City, N. Y.—Police Dept., Municipal Bldg., New York City, July 30, underground cable here, from J. Sugden Co., 100 5th Ave., New York City, $21,705.

Gallow Frames—St. George, N. Y.—Dept. Plants & Structures, Municipal Bldg., New York City, July 31, reconstructing gallow frames for Slips 1, 2, 3 and 4, here, from J. E. Ogden, 147 Cedar St., New York City, $187,485.

Swimming Pool—Phila., Pa., Dept. Pub. Welfare, City Hall, 120 x 128 ft., bath house and 36 x 94 ft., pool, 26th and South Sts., from Conneen Constr. Co., 2315 Walnut St., $32,972.

CONTRACTS AWARDED

Heating System—Danbury, Conn.—Town, heating system in new high school, to W. Holman, Rose St., $32,842.

Gallow Frames—Brooklyn, N. Y.—W. W. Mills, Comr. Plans & Structures, Municipal Bldg., New York City, gallow frames and operating equipment, etc., for Rockaway Inlet ferry, here, to J. E. Ogden & Co., 147 Cedar St., New York City, $106,591. Noted July 30.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., laying tracks for Westchester Ave. Yard, to Slattery Eng. & Contg. Co., 10th Ave. and 43rd St., $113,881. Noted July 30.

Iron Ore Dock—Superior, Wis.—Great Northern Ry. Co., 4th and Jackson Sts., St. Paul, Minn., rebuilding iron ore dock, steel superstructure, on piles and 600 ft. rein.-con. foundation, at Allouez Bay, here, to Sanitos Constr. Co., 3050 4th Ave. S., Minneapolis, Minn., $100,000.

Gas Pipe Line—Texas—O. K. Williams, Laredo, 73 mi. 12 in. gas pipe line from fields in Webb to McMullen Counties, to Mission Oil Co., Dwight Bldg., Kansas City, Mo., $2,000,000.

Wharf and Pier—Beaumont, Tex.—City, rebuilding Wharf Unit 1, 1,500 ft. creosoted wharf, to J. Jacobson, Galveston, $99,125. Rejected bids for constructing pier. Will readvertise. This corrects report in July 30 issue.

Pier—Port Burwell, Ont.—S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, rebuilding harbor pier to Thunder Bay Harbor Co., Port Arthur. $55,500. Noted July 2.

Fill—Kamloops, B. C.—Canadian Natl. Ry., 230 St. James St., Montreal, Que. 1,000,000 cu.yd. fill for 1,500 ft. trestle, 110 ft. deep, to F. S. Magoffin, Calgary, Alta, $300,000.

Wharf—Parrsboro, N. S.—Dept. Pub. Wks., Ottawa, Ont. constructing wharf here to T. P. Charleson, 179 Gilmour St., Ottawa, Ont. $38,000.

Materials

BIDS DESIRED

Asphalt, etc.—Gullport, Miss.—Aug. 10, by Bd. Supervs. Harrison Co., asphalt or other paving material, f.ob. Gulfport or Biloxi.

Cement — Cleveland, O. — Aug. 8, by Comrs., Cuyahoga Co., furnishing 1,000 sacks Lumnite Cement.

Pipe—Modesto, Calif.—City in market for 7,200 lin.ft. 4- to 8-in. Class B c.i. pipe. $7,500. F. W. McCarton, city engr.

Insulator Strings—Wellington, New Zealand—Oct. 13, by Secretary Dept. Pub. Wks., 3,600 suspension insulator and 300 strain insulator strings, Sect. 123, also 3,600 suspension clamps, 300 strain clamps and 150 parallel grove clamps, Sect. 128.

BIDS RECEIVED

Paving Blocks—Brooklyn, N. Y.—J. A. Guider, boro pres., Boro Hall, July 29, 75,000 granite paving blocks, from Hildreth Granite Co., Inc., 150 Nassau St., New York City, $10,425, 80,000 wood paving blocks, from Southern Wood Preserving Co., 10 East 43d St., New York City, $4,200. Noted July 23.

CONTRACTS AWARDED

Concrete—San Antonio, Tex.—City, approximately 100,000 bbl. Portland cement for dam in Alamo Heights, to San Antonio Portland Cement Co., Lakeview Ave., $3.07 per bbl., $0.10 rebate on sacks.

Cement—Napa, Calif.—Napa Co., 6,000 bbl. Portland cement, (a) delivered in Napa, (b) in Yountville (c) St. Helena, to H. Cowell Lime & Cement Co., 2 Market St., San Francisco, (a) $2.86 (b) $2.93 (c) $2.99.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: August 28.

Sewer Construction

LETTING NO. 15

Louisville, Ky.

Sealed proposals will be received by the Commissioners of Sewerage of Louisville at its office, Board of Trade Building, 3rd & Main Sts., Louisville, Ky., until 12 o'clock noon, August 28, 1925, for the construction of the Thirty-Eighth St.-Duncan St. District Sewers and the Fortieth St. Sewer, embraced in one contract, Number 20.

Bids are invited upon the construction of the sewers in open trench.

Statement of approximate amounts of work embraced in this contract is:

1,250 linear feet of 60 inch reinforced concrete sewer.
1,950 linear feet of 48 inch reinforced concrete sewer.
515 linear feet of 42 inch reinforced concrete sewer.
435 linear feet of 39 inch plain concrete sewer.
3,030 linear feet of 36 inch plain concrete sewer.
400 linear feet of 30 inch plain concrete sewer.
315 linear feet of 24 inch pipe sewer.
330 linear feet of 18 inch pipe sewer.

8,225 linear feet of Sizes Total.

There will be included in the above sewers, approximately

8,225 linear feet of excavation at cuts from 5 feet to 15 feet.
2,210 cubic yards of concrete in sewer barrel.
120 cubic yards of concrete in Manholes, Junction Chambers, etc.
103,000 lbs. of reinforcing steel.
645 linear feet of pipe and pipe laying.

All pipe sewers will be laid in a concrete cradle.

Alternate bids will be received upon furnishing vitrified clay or cement concrete pipe for all pipe sewers.

Payment for earth excavation, pipe, pipe laying and concrete cradle will be by the linear foot and for concrete, payment will be by the cubic yard.

Drawings, Information for Bidders, Form of Proposal, Contract and Specifications may be had at the office of the Commission upon deposit of Ten Dollars ($10.00) to secure the return of same in good condition within thirty (30) days after the date set for the opening of the bids.

Each proposal shall be made upon the blank form furnished for this purpose and must be inclosed in a sealed envelope addressed to "Commissioners of Sewerage of Louisville, Board of Trade Bldg., 3rd & Main Sts., Louisville, Ky.," and accompanied by a certified check drawn upo na state or national bank or trust company established in the City of Louisville or in the City of New York, for an amount not less than ten (10) per cent of the total amount of accompanying proposal, payable to Commissioners of Sewerage of Louisville, or Bidder's Bond executed as set forth in Information for Bidders.

The right to accept any bid or reject any and all bids is reserved.

COMMISSIONERS OF SEWERAGE
OF LOUISVILLE
By MATT H. CRAWFORD,
Chairman.
P. H. HOGE, JR.,
Sec. & Treas.
J. R. F. BREED,
Chief Engineer.

Bids: August 27.

Sanitary Sewers

Winchester, Tenn.

The Mayor and Aldermen of Winchester, Tennessee, will receive bids for the construction of a system of sanitary sewers in Winchester until August 27th, at 2 p.m. For Instructions to Bidders, Synopsis of Specifications, and Form of Proposal, address

R. J. SHASTEEN, Mayor,
Winchester, Tenn.
C. H. JENKS, Engineer,
Union City, Tenn.

OFFICIAL PROPOSALS

Bids: August 25.

Letting of Drainage Ditch Construction

Geneseo, Ill.

Sealed proposals will be received by the Commissioners of the Mud Creek Special Drainage District in Henry County and State of Illinois until Tuesday, the 25th day of August, A.D. 1925, and until one o'clock p.m. of said day, at which time the bids will be publicly opened at the office of said Drainage District at 110 South State Street in Geneseo, Illinois. The work for which bids are desired consists of the construction of an extension of the main ditch about 13,500 feet in length and requiring the removal of approximately 241,850 cubic yards of material; the widening of a portion of the old main ditch south of the C. R. I. & P. R.R., requiring the removal of about 45,000 cubic yards of material; the construction of the Dwyer Lateral about 300 feet in length, requiring the removal of about 3,500 cubic yards of material; the construction of the Dow Tile Lateral requiring the furnishing and laying of about 5,500 feet of twenty-four inch drain tile and the construction of the Kuhn Tile Lateral requiring the furnishing and laying of about 2,000 feet of eighteen inch drain tile. All of the work is in the vicinity of Annawan, Illinois. Plans and specifications of the work may be seen at the residence of either of the Commissioners or at the office of the Engineer or Attorney, and from whom the same may be procured. Blue prints and specifications will be furnished at $2.50 per set. All bids should be mailed or delivered to the Commissioners. The right is reserved to reject any and all bids.

All bids must be on the form provided by the District and which may be procured from any of the persons named below.

July 28th, A.D., 1925.

SAMUEL PONT,
MELL VAN HYFTE,
JAMES S. DYNES,
Annawan, Illinois.
Commissioners of said Mud Creek Special Drainage District in Henry County and State of Illinois.
V. X. SMILEY, Engineer,
Geneseo, Illinois.
HENRY WATERMAN, Attorney,
Geneseo, Illinois.

Bids: August 12.

Exit Facilities and Fire Stops

Rochester, N. Y.

Sealed proposals for Construction—Exit Facilities and Fire Stops, Rochester State Hospital, Rochester, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 2 o'clock p.m. (Eastern Standard Time), Wednesday, August 12, 1925, when they will be publicly opened and read. The work consists of changes in doorways and partitions and miscellaneous work in various existing buildings, and the erection of fire escapes on existing buildings with wire guards and enclosures of steel frame work and corrugated asbestos board. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract, and in accordance with the terms of Specification No. 4449. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Rochester State Hospital, Rochester, N. Y.; at the New York Office of the Department of Architecture, 18th Floor Flatiron Building, Broadway & 23rd St.; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check, or money, in the sum of $10.00, made payable to the State of New York, for each set of drawings and specifications, which deposit will be returned if the drawings and specifications are received in good condition by the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: July 28, 1925.

OFFICIAL PROPOSALS

Bids: Sept. 1.

Roads and Bridges

SOUTH CAROLINA
STATE HIGHWAY DEPARTMENT
COLUMBIA
F. A. PROJECT NO. 252 CLARENDON-ORANGEBURG COUNTIES

Columbia, S. C.

Sealed bids will be publicly opened at 11:00 a.m. Tuesday, September 1, 1925, at the offices of the State Highway Department, 1626 Main St., Columbia, S. C., for the construction of the Santee River Bridge and Approaches on State Route No. 30 between Clarendon and Orangeburg Counties.

It is particularly desired that bidders bring their bids in person at the opening hour. Any bids sent by mail must be plainly marked on outside of envelope: "Bid for constructing F. A. Project No. 252 Santee River Bridge and Approaches. Bids to be opened at 11:00 a.m., September 1, 1925," and addressed simply: "P. O. Drawer No. 660, Columbia, S. C."

The work to be done consists of the construction of 9,620.5 ft. of bridge and embankment which includes 1—168' and 2—150' steel trusses on concrete piers, 6,863 lin.ft. of treated timber pile trestle and 2,286 lin.ft. of earth embankment, which includes 184,000 cu.yds. of earth.

This work is to be let in the following contracts: No. 1 (Sub-structure), No. 2 (Superstructure), No. 3 (Timber Trestle), No. 5 (Earth Fill).

Each proposal for contract No. 1 must be accompanied by a certified check for One Thousand Four Hundred ($1,400.00), contract No. 2 by a check for Nine Hundred Dollars ($900.00), contract No. 3 by a check for Five Thousand Eight Hundred Dollars ($5,800.00), contract No. 5 by a check for One Thousand Five Hundred Dollars ($1,500.00). All proposal guarantees are to be made payable to the Chief Highway Commissioner. Bid bonds will not be accepted.

Plans, specifications and proposal forms are on file at the office of the State Highway Engineer in Columbia. Plans will be furnished upon request accompanied by a check for $3.00 and no refund will be made for plans returned.

SAMUEL McGOWAN,
Chief Highway Commissioner.

Bids: Sept. 1.

Excavating, Grading and Drainage Structures

WESTCHESTER COUNTY PARK COMMISSION
Contract No. 45

Bronxville, N. Y.

Sealed bids for excavating, grading and drainage structures from Boston Post Road to New Rochelle Road, Hutchinson River Parkway, New York, will be received by the Westchester County Park Commission at its office, No. 72 West Pondfield Road Bronxville, New York, until 11 a.m. Daylight Saving Time, Sept. 1, 1925.

Pamphlets containing information for bidders, form of proposal, specifications and contract drawings may be obtained by intending bidders at the above address by depositing $5.00.

The right is reserved to reject any or all bids.

WESTCHESTER COUNTY PARK
COMMISSION
By JAY DOWNER,
Chief Engineer.

Dated: August 4, 1925.

CONSTRUCTION NEWS

Engineering News-Record, Aug. 13, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Paper Mill Quebec, Que., Anglo-Canadian Pulp & Paper Co. having plans prepared, for unit mill, $15,000,000.

Irrigation, Cotulla, Tex., Cotulla Irrigation Dist. having plans revised, $7,000,000.

Office, New York, N. Y., C. A. Gould having plans prepared, $5,000,000.

Court house, St. Louis, Mo., Bd. Pub. Service having preliminary plans prepared, $4,000,000.

Steam and power plant, Green Bay, Wis., North America Power Co. having preliminary plans prepared, $2,000,000.

Hotel, San Diego, Calif., Kass & Ruben plan building, $1,500,000.

Hospital, Boston, Mass., Homeopathic Hospital Bldg. Com. having plans prepared, $1,500,000.

Hospital, Roxbury, Mass., City of Boston, Hospital Dept. having plans prepared, $1,000,000.

Office, New York, N. Y., Estate E. N. Hoffman having plans prepared, $1,000,000.

Drainage, Okemah, Okla., Canadian D. D. 1 making preliminary plans, $1,000,000.

Bids Wanted On Big Jobs

Bank and office, New York, N. Y., Seamans Bank of Savings, soon takes bids, $5,000,000.

City hall and court house, Denver, Colo., Municipality takes bids in six months, $4,000,000.

Sewers, Niles Center, Ill., City soon takes bids on 2½ mi. laterals, $1,250,000.

Bridge, Chicago, Ill., City takes bids about Aug. 25, on bascule span, $1,200,000.

Large Contracts Let During Week

Office New York, N. Y., Eastern Office, Inc., to Todd, Robertson & Todd, $29,000,000.

Power house, Bagnell, Mo., Missouri Hydro Electric Power Co., t. Bickel Constr. Co., $12,000,000.

Apartment, New York, N. Y., Ninto Building Corp., by day labor, $1,500,000.

Apartment, Pittsburgh, Pa., J. M. Donn to Boyle Robertson Constr. Co., $1,000,000.

Waterworks

PROPOSED WORK

Mass., Nahant—Town plans water mains for fire purposes. $25,000. Bd. Selectmen, engrs.

Mass., Newton—Bd. Aldermen plan extending water mains in various streets. $25,025 appropriated.

La., Slidell—See "Sewers."

Ill., Fairfield — Voted $150,000 bonds waterworks plant and distribution mains between Little Wabash River and city. G. Dunbar, Chemical Bldg., St. Louis, Mo., engr. Noted June 11.

Ia., State Center—Defeated $50,000 bonds for water works system, at recent election. Noted Mar. 26.

Minn., Moorhead—Voted $50,000 bonds improving present water and light plant. Noted June 4.

Mo., Neosho—Defeated $30,000 bonds extending waterworks. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs. Noted July 23.

Ark., Ozark—Making preliminary plans complete waterworks system. $70,000. W. L. Winters, 700 South 20th St., Fort Smith, engr.

Tex., Crystal City—Election soon to vote $25,000 bonds for new well, pumping equipment, etc.

Tex., Ennis—See "Sewers."

Okla., Blackwell — Having preliminary plans prepared water main extensions in Blackwell Heights, Sunset and South Additions. $65,000. W. Retzhaupt, Jr. engr.

Okla., Norman—S. N. Craig, Weleetha, having preliminary plans prepared water main extensions in Craig addition to Norman. $70,000. Engineer not selected.

Okla., Okeene—Election soon $15,000 bonds extending mains, incl. 6,900 ft. 4 to 8 in. c.i. pipe, motor driven triplex pump, valves, hydrants, etc. V. V. Long & Co., Oklahoma City, engrs. Former election defeated. Noted May 28.

Ariz., Mesa—Making plans improving waterworks. $80,000. A. A. Walland, Pueblo, Colo., engr. Noted Aug. 6.

Ontario—Towns of Thorold and Merritton plan combined filtration plant for water supply, $71,000, or separate plants, $98,000. E. H. Darling, Home Bank Bldg., Hamilton, engr.

Ont., Leaside—Plans installing about 9,000 ft. c.i. mains in Bayview and Close Aves., Donegal and McNorton Drs., Fleming Crescent, Cameron Crescent, etc. $25,000. D. J. Bell, Soudan Ave., engr.

BIDS DESIRED

N. Y., New York—Sept. 16, J. E. Bowe, comr., of Purchase, Municipal Bldg., furnishing, etc., stacking and storing c.i. pipe, special and valve box castings, valves and double nozzle fire hydrants, etc.

N. Y., St. George—Aug. 28 by N. J. Hayes, comr., Water Supply, Gas and Electricity, Municipal Bldg., New York City, pumping and generating plant, also new building at Clove Pumping Station, Richmond Boro.

Pa., Kennett Square—Aug. 24 by Council Chambers, W. E. Voorhees, secy., furnishing 2 centrifugal electrical control equipment for waterworks and pumping station, Albright & Mebus, 1502 Locust St., Phila., civil engineers; adv. E. N.-R. Aug. 6.

O., Cleveland—Aug. 19 by Comrs. Cuyahoga Co., 4,800 ft., of 6 and 8 in. c.i. mains in Lee Homes Subdivision and Langley Ave., Impvt. 565. F. Williams, Court House, engr.

O., Cleveland—Aug. 20 by City, mains in East 200th St., West 145th, 146th, West 167th, 168th, 170th and 172nd Sts., Kinkelaar Rd. N. W., Caldwell Ave. N. W., Mitchel Ave. N. W., Bartter Ave. N. W., Dorchester Blvd. N. E., East Park Drive, N. E., Tarrymore Rd. N. E., Fenwick Rd. N. E., Schenley Ave. N. E., Muskoka Ave. N. E., Hillgrove Ave. N. E., Sable Ave. N. E., Lasalle Ave. N. E., Edgerton Ave. N. E., Neff Rd. N. E., Martha Rd. S. W. R. Hoffman, City Hall, engr.

Ill., Mundelein—Sept. 10, by Village, 6 and 8 in. c.i. mains in various streets. $100,000. Kelker-Deleuw Co., 111 West Washington St., engrs.

Mich., Trenton—Aug. 17 by L. Frebes, clk., extending mains 17,097 lin.ft. 4- to 10-in. c.i. pipe.

Wis., Montfort—Aug. 17, by D. E. Smith, village clk., drilling deep well. To exceed $25,000.

Tex., Greenville—Aug. 24, by H. Rush, engr., P. O. Box 561, 900 m. g. reservoir, 1 3/4 mi. north of town, dam, 16 in. c.i. pressure line and one 12 m. g. g.p.d. pump, invol. (a) 530,000 yd. earth levee, sprinkle method, alternate on 440,000 yd. levee, ponded method, 115,000 yd. earth work diversion channel, 80,000 yd. earth work inflow channel, clearing, grading, etc., for city.

Okla., Elk City—Aug. 18, by L. A. Ross, city clk., new water supply consisting of earth dam, spillway, filter plant, basins, pumps, etc. Benham Engineering Co., Gumbel Bldg., Kansas City, Mo. $336,000.

BIDS RECEIVED

Mass., East Bridgewater—Bd. Water Comrs. about 6,552 ft. Class B. c.i. pipe (12 ft. lengths) f.o.b. East Bridgewater, from U. S. Cast Iron Pipe & Foundry Co., 71 Broadway, New York City, $53 per ton.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York City, water mains, etc., in Anabel and 14th Ave., from Stanby Constr. Co., Steinway Ave., $8,204, in 8th Ave., from S. Gallucci, Railroad Ave., Corona, $8,296. Noted July 30.

N. Y., New York—N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Adee, Astor, and Barnes Aves., etc., from Melrose Constr. Co., 230 East 162d St., $1,500, in Baisley and Balcombe Aves., from C. DeBlasio, 339 7th Ave., Mt. Vernon, $15,974. Noted Aug. 6.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., Aug. 4, in Corlear, Perry, Reservoir, Tibbett, Walton, Waynes Aves., etc., from Riverdale Water Works Corp., 355 East 113th St., $14,500, transformers, enclosures and electrical conduits for Oliver and Gansevoort St. High Pressure Fire Pumping Stations from Balaban Gordon Co., Inc., 116 West 39th St., $33,330. Noted July 30.

Md., Baltimore—Bd. Awards, tanks and hoppers, Contr. 75, from McNamara Bros., Kloman St., Westport, $27,531, also copper pipe from Mueller Mfg. Co., Decatur, Ill. $28,060.

O., Cleveland — Cuyahoga Co., water mains in Pleasant Valley Rd., Impvt. 82 from Great Lakes Constr. Co., B. F. Keith Bldg., $56,837. Noted July 23.

Mo., St. Louis—Bd. Pub. Service, 208 City Hall, rein.-con. covered reservoir between Old Bonomme and Watson Rds., from Missouri Engineering and Constr. Co., National Bank of Commerce, $1,088,616. Noted July 9.

Tex., Houston—O. F. Holcombe, mayor, 175 x 175 ft., rein.-con. 4 m.g. capacity reservoir, from L. L. Winans, 2824 Travis St., Ft. Worth, $138,000. J. C. McVea, city engr. Houston.

CONTRACTS AWARDED

N. Y. Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Hegeman, Narrows, Ralph and 8th Aves., etc., to Grippo Contg. Co., 85 Webster Ave., $12,400. Noted Aug. 6.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 5th Ave., etc. to Gregory Contg. Co., Inc. $7,364, Arcadia Ave. etc. to Riverdale Water Works Corp., 355 East 113th St., New York City. $7,000. Noted Aug. 6.

N. J., Moorestown—Township Comm. 200,000 gal. tank and 175,000 gal. water tower, to Pittsburgh-Des Moines Steel Co., Neville Island, Pittsburgh, Pa., $10,770 and $7,400 respectively. Water pipe to United States Cast Iron Pipe & Foundry Co., Morris Bldg., Phila. $43,290; valves and fire hydrants to R. D. Wood Co., 400 Chestnut St., Phila. $5,864.

Waterworks (Continued)

Md., Balutimore—Mayor and City Council, tanks and hoppers, Contr. 75 to McNamara Bros., Kloman St., Westport, $27,-531, also copper wire to Mueller Mfg. Co., Decatur, Ill., $28,060.

South Carolina—See "Streets and Roads."

S. C., New Brookland—City, concrete or terra cotta water mains and sewerage system here to Tucker & Laxton, Charlotte. About $30,000.

O., Cleveland—Cuyahoga Co., 7,600 ft., 6 to 12 in. c.i. water mains in Donald Ave., Mastic and Macbeth Rds, to Langahan Constr. Co., Marshall Bldg., $27,000.

O., Euclid—Village mains in 9 streets to Marra Constr. Co., Ulmer Bldg., Cleveland, $31,863. Noted June 11.

Ill., Lebanon—Force main and pump station, to J. M. Monie, 6182 Washington Ave., St. Louis, Mo., $8,907; pumping equipment, to Keystone Driller Co., Federal Reserve Bank Bldg., St. Louis, Mo., $4,250 and tank on tower, to Chicago Bridge & Iron Works, 105th and Throop Sts., Chicago, $8,400. Grand total $21,557. Noted Jan. 29.

Wis., Milwaukee — Central Bd. Purchases, 200 fire hydrants, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa., at $83.50 each; 1,000 tons 6 and 1,000 tons 12 in. c.i. mains, to National Cast Iron Pipe Co., 122 South Michigan Blvd., Chicago, Ill., at $48.25 per ton; 207,145 lbs. special castings, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., at $84 per ton and one hundred and fifty 6- and twenty-five 12-in. gate valves, to Chapman Valve Mfg. Co., 111 West Washington St., Chicago, Ill., $5,530.

Wis., Rice Lake—City, for furnishing and installing 150,000 gal. steel tank to Pittsburgh-Des Moines Steel Co., Tuttle and 10th Sts., Des Moines, Ia., $16,600 and drilling well, to W. H. Carter Contg. Co., 2643 West Monroe St., Chicago, Ill., $5,000.

Ia., Corning—Middle Nodaway D.D., c/o C. T. Mercer, aud. Adams Co. 8.54 mi. drainage ditches invol. 543,727 cu.yd. excav. to Strom Constr. Co., Gary, approximately $45,000. Noted July 23.

Minn., Minneapolis—F. S. Gram, city purch. agt., to American Cast Iron Pipe Co., 712 Plymouth Bldg., 50,000 ft. 6 in. c.i. pipe at $0.895 per ft., 10,000 ft. 8 in., $1.30, 10,000 ft. 12 in., $2.05 and 5,000 ft. 16 in., $3,125. Noted June 18.

Neb., Omaha — Metropolitan Utilities Dist., T. A. Leisen, 206 City Hall, mgr., 21,970 ft. 48 in. Lockbar steel mains, to Robeck-Humphreys Co., Omaha, Neb., and 2,550 ft. 36 in. c.i. mains, to Halpine Boyle Constr. Co., 709 Ry. Exch. Bldg., Kansas City, Mo., total $800,000. Noted June 25.

Ark., Atkins—Deep well, pump and motor to Layne-Arkansas Co., Stuttgart, $9,000. Noted Jul. 2.

Mo., La Plata—City, general contract dam and waterworks, to Merkle Contg. Co., 504 Davison Bldg., Kansas City, $97,000; steel tank on tower, to Pittsburgh, Des Moines Co., 927 Tuttle Bldg., Des Moines, Ia., $8,-365; 5 pumps and motors to De Laval Steam Turbine Co., 404 Dwight Bldg., Kansas City, $4,197; 41 gate valves and boxes, to Ludlow Valve Mfg. Co., 1416 R. A. Long Bldg., Kansas City, $3,449; meters, to Badger Meter Mfg. Co., Interstate Bldg., Kansas City, at $10 each, fire fighting equipment, to Watrous Fire Engine Works, 80 Fillmore St., St. Paul, Minn., $1,300. Grand total to exceed $114,311.

B. C., Vancouver—Installing 32 and 36 in. steel riveted mains for Seymour Creek, to A. B. Palmer Co., 736 Granville St., Vancouver, $134,446.

Sewers

PROPOSED WORK

La., Slidell—Plans election $195,000 bonds for sewage disposal plant and complete waterworks system. A. D. Canulette, city mgr.

Ky., Fulton—Voted $70,000 bonds for 9 mi., 8- to 15-in. sanitary sewer, Imhoff tank, disposal plant, etc. F. L. Wilcox, 924 Chemical Bldg., St. Louis, engr. Noted July 16.

O., Columbus—City making plans 12,019 ft., rein.-con. sewer in 18th Ave. $35,475. R. H. Simpson, city engr.

Ill., Lyons—Village soon takes bids sewerage system in western part of village. Kelker-Deleuw Co., 111 West Washington St., Chicago, engrs.

Ill., Niles Center—City soon takes bids approximately 2.5 mi. 42-to 84-in. laterals from Oakton St. north and south to city limits. $1,250,000.

Ill., Westmont—Village soon takes bids sanitary sewerage system on East Side. $90,000. Kelker-Deleuw Co., 111 West Washington St., Chicago, engrs.

Mo., Sikeston — Plans election about Sept. 15, approximately 50,000 ft. 8- to 48-in. sanitary sewers in various streets. $80,-000. F. L. Wilcox, 924 Chemical Bldg., St. Louis, and L. T. Berthe, Charleston, engrs. Noted June 25.

Ark., Ozark — Having preliminary plans made complete sanitary sewer system. $45,-000. W. L. Winters, Fort Smith, engr.

Tex., Ennis—Plans sewer, waterworks, etc. $212,000.

Tex., Frisco—Election soon $32,500 bonds for sewage disposal system. Engineer not selected.

Tex., Hamilton—Voted $60,000 bonds for sewerage system and sewage disposal plant. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs. Noted July 16.

Tex., Jacksonville—City c/o secy. plans sewers in various streets and sewage treatment plant, $25,000. Engineer not selected

Okla., Blackwell—Making surveys 4 mi. sanitary sewers, $28,000. W. Ritzhaupt, Jr. engr.

Okla., Edward—Having preliminary plans prepared outfall sewer and sewage disposal plant. $35,000. Engineer not selected.

Okla., Norman—S. N. Craig, Weleetha, having preliminary plans prepared 5 mi. sanitary sewer system for the Craig addition to Norman, $35,000. Engineer not selected.

Okla., Okeene—Defeated $47,000 bonds new sanitary sewer, issue will be resubmitted. V. V. Long & Co., Oklahoma City, engrs.

Ont., Kingsville—Plans 5,000 ft. vitr. tile sewer in Queen St. $25,000. Engineer not selected.

Ont., London — Plans sludge type, rein.-con. sewage disposal plant at Coves, here. $200,000 to $250,000. W. P. Near, City Hall, engr. Noted Apr. 30.

Ont., Toronto—York Twp. plans installing 7,600 lin.ft 36-in. concrete sewer in Boon Teignmouth and Bloem Aves., $10,075, Eversfield and Hatherly Rds., $17,430, Nairn and Earlscourt Aves. $8,760. Total $50,000. F. B. Goedike, 40 Jarvis St., Toronto, engr.

Ont., Toronto—East York Twp. plans 4,000 ft. 12-in. sewer in Arundel Ave., $5,478, Warland Ave., $8,678, Franklin Ave., $8,548, Guestholme Ave., $7,595. Woodlington Ave., $6,725. G. R. Jack, 443 Sammon Ave., Toronto engr.

BIDS DESIRED

Mass., Boston—Aug. 18, by Dept. Pub. Wks., Boston, sewerage works in various streets Brighton, Aug. 19, sewerage works in various streets Dorchester. J. A. Rourke, comr.

Conn., Hamden (Br. New Haven)—Aug. 17, by Commrs. about 2 mi. 8 in tile sewer in Highwood St. To exceed $25,000. Sewer Commrs. Town Hall, engrs.

N. Y., St. George—Aug. 17, by J. A. Lynch, pres., Richmond Boro, Boro Hall, temporary sanitary sewers in Clove Rd., etc.

N. J., Rutherford—Aug. 18, by Boro Council, City Hall, constructing 24 in. sewer and sewerage disposal plant and appurtenances. F. A. Stedman, Clk. Adv. E. N.-R., Aug. 13.

D. C., Wash.—Aug. 27, by Dist. Comrs., Room 509 Dist. Bldg., 6,470 lin.ft. sewers; adv. E. N.-R. Aug. 13.

Md., Catonsville (Branch Baltimore)—Aug. 31, by Comrs. Baltimore Co., Court House, Towson, 39,455 lin.ft. 6-48-in. terra cotta sewer, etc. A. E. Walden, Ch. Engr.; adv. E. N.-R Aug. 13.

Ky., Central City—Aug. 24, by City Council 19,600 lin.ft. 8- to 15-in. sanitary sewer, etc. C. W. Wardle, Bennett Bldg., engr.

Fla., Sebring—Sept. 4, by Mayor and City Council, office of City clk. 2,400 lin.ft. 8-in. vitr. pipe sewer, etc. P. H. Norcross, 1404 Candler Bldg., Atlanta, Ga. consult. engr. Adv. E. N.-R. Aug. 13.

O., Columbus—Aug. 25 by W. H. Duffy, dir. Pub. Serv., 4,930 ft., 6 and 8 in. sanitary sewer, etc., in alley east of Dresden St., $11,088, 6,617 ft., 10 to 24 in. combined sewer in alleys north 18th and 20th Sts., $24,311, 746 ft., 6 and 8 in. sanitary sewer in Ellsworth Ave., $1,694, 12,850 ft., 6 and 12 in. in alley east Eastview Ave., $29,393, 5,760 ft. 6 and 8 in. sewer in Fairview Ave., $11,737, 1,526 ft., 8 in. in Leonard St. $3,395, 2,505 ft., 6 to 18 in. in Hamilton Ave., $18,162, 1,428 ft., 6 and 10 in. in Parsons Ave., $6,406.

Ill., Lewistown—See "Streets and Roads."

Ill., Bloomington—Aug. 26, by Bd. Trustees of Bloomington and Normal Sanitary Dist., 422 Unity Bldg., intercepting sewers and trunk sewer extensions. J. W. Harper, pres.; adv. E. N.-R., Aug. 13.

Ill., Libertyville—Sept. 15, by Village, outfall sewers and treatment plant, here. $110,000. Kelker-Deleuw, 111 West Washington St., Chicago, engrs.

Wis., Milwaukee—Aug. 17, by Dept. Pub. Wks., R. E. Stoelting, comr., 776 ft. 42 x 54 in. concrete tunnel drop shafts, 70 manholes and 14,694 ft. 8- to 24-in. rein.-con. sewers in various streets.

Kan., Larkin—Aug. 20 by C. H. Waterman, City Hall, clk. 16,668 ft. 8 in. vitr. concrete pipe sewers, 10,538 ft. 1- to 12-in. c.i. pipe, etc. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Apr. 16.

Neb., Wilber—See "Streets and Roads."

Mo., St. Louis—Sept. 29, by Bd. Pub. Service, 208 City Hall, sewers in Baden Dist. 4, 28,945 ft. 21 to 36 in. vitr. clay pipe, 4,180 ft. 27 to 36 in. clay, brick or segmental block, 970 ft. 42 and 45 in. brick or segmental block, $167,000; also complete sanitary sewerage system in Union-Bircher Joint Sewer Dist. $200,000. W. W. Horner, city engr. Noted July 23.

Mo., St. Louis—Sept. 15, by Bd. Pub. Service, 208 City Hall, 4,125 ft. 12- to 18-in. vitr. clay pipe, 1,445 ft. 36- to 48-in. brick or segmental block sewer, 4,210 ft. 6- and 7-ft. concrete horseshoe 2,100 ft. 9 ft. concrete or 8.5 ft. brick pipe for Camp Springs Public Relief Sewer, $550,000; also for Sect. A, of North Baden Relief Sewer, main sewer will be rein.-con., 11 x 14 ft., 2.5 in. inside diam., etc. $200,000. W. W. Horner, city engr. Noted July 16.

Okla., Elk City—Aug. 18, by L. A. Ross, city clk., 1.3 mi. outfall sewer and disposal plant, $56,000. Benham Engineering Co., Gumbul Bldg., Kansas City, Mo., engrs.

Ont., Sudbury—See "Contracts Awarded."

BIDS RECEIVED

N. Y., New York — See "Streets and Roads."

O., St. Bernard (Ind. branch of Cincinnati)—Dir. Pub. Serv. 1,018, ft., 7 to 27 in. clay pipe sewer and 1,253 ft. 42 to 57 in. brick sewer through private property between Rapid Transit Right of Way and Bank Ave. from J. Dempsey, 5312 Carthage Ave., Norwood. $66,918. Engrs. est. $74,000. Noted July 16.

Ill., Elgin—Sanitary Dist., 3,775 ft. 12 and 15 in. vitr. clay, 510 ft. 8 in. c.i. pipe, sewage ejector pit, house, furnishing and installing Duplex sewage ejector, from J. Brogan & Sons, 700 Donsman St., Green Bay, Wis., Simplex ejector, $59,283, Pacific flush tank, $59,483 and Nahs $58,495.

Wash., Seattle — Bd. Pub. Wks., from McHugh & Co., 517 3rd Ave., sewer in Ashworth Ave., et al., 5,563 ft. 8 in. vitr. clay pipe, at $1.90 per ft., 615 ft. 10 in., $2.10, 2,683 ft. 12 in., $2.40, 660 ft. 15 in., $2.70, 585 ft. 18 in., $3.60 and 680 ft. 21 in., etc., $4.50, total $35,867.

CONTRACTS AWARDED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall (**e. e. means engrs. est.**), sewer in 73rd St., to A. W. Matarazzo, 1163 61st St., 72⅛% e.e. $5,479; sewer in 79th St. and Lott Ave., to Tozzi Contg. Co., 136 63rd St., 74.69% e. e. $5,260, and 74.39% e. e. $3,009 respectively; sewer in 47th and 59th Sts., to S. J. Coenzo, 678 Glenmore Ave., 67.99% e. e. $3,013 and 72.99% e. e. $3,531 respectively; sewer in East 34th St., to Manmill Constr. Co., 2035 Douglass St., 73.3% e. e. $3,170; and sewer in Rutland Rd., to Fenlon Constr. Co., 78.46% e. e. $1,228. Noted Aug. 6.

S. C., New Brookland—See "Waterworks."

O., Fairview—Village, sewers in 13 streets to Gantose Constr. Co., 4816 Brookpark Rd., Cleveland. $94,000. Noted July 9.

Illinois—Trustees North Shore Sanitary Dist., 38 South Genessee St. Waukegan, 2 disposal plants, one at Lake Forest and other at Waukegan, incl. Imhoff tank, sludge bed, chlorinating tank, grit chamber, etc., to Hallbauer-LaBahn, 844 Rush St., Chicago, $48,993 and $78,515 respectively. Noted July 9.

Ill., Marengo—See "Streets and Roads."

Wis., Milwaukee—J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., to Knowles & Fehr, Inc., 1257 29th Ave., Menomonee Valley sewer extension, 6,420 ft. 24 in. and 340 ft. 18 in. terra cotta pipe at $18.90 per ft., pipe $16.25. Noted July 30.

Wis., Neenah—H. S. Zemlock, city clk., 8,000 ft. vitr. clay pipe extensions to sewerage system in various streets, to E. A. Yahr, Antigo, $28,342. Noted July 16.

Sewers (Continued)

Kan., Pleasanton—Sewage disposal plant, 81 to 12-in. sewer pipe, sludge bed, etc., to Altman-Rodgers & Brown, McAlester, $64,277.

Mo., Kansas City—Bd. Pub. Wks., City Hall, rein.-con. sanitary Blue Valley Sewer, in Jackson Co., here, Sects. A and F, to Torson Constr. Co., Quindaro Blvd. and Union Pacific Ry., $728,471 and $248,719, Sect. B, to List & Weatherly, 416 Ry. Exch. Bldg., $417,062, Sect. C, to A. L. Patterson & Co., Kansas City, $263,331, Sects. D and E, to W. C. Mullins Constr. Co., 202 Nelson Bldg., $293,526 and $240,805 respectively. Total $2,191,914. Noted July 9.

Ark., Batesville—Sanitary sewer Dist. 4, comprising all of West Batesville, incl. 9,000 ft. 6- to 10-in. vitr. pipe, to Kearney Constr. Co., Columbian Tower, Memphis, Tenn. $24,000. Archts. est. $25,981.

Ore., Portland—See "Streets and Roads."

Ont., Midland—Storm sewers in various streets to J. Toole, & Sons, Midland, $35,000.

Ont., Sudbury — Will lay 8,000 ft. vitr. tile sanitary sewers, by day labor. $28,000. F. E. Lane, Town Hall, engr.

Ont., Toronto—East York Twp., Sammon Ave., 8- to 12-in. vitr. tile sanitary sewers to McLaughlin Bros., 55 Gould St., in Cosburn Ave. $29,975, to G. Simone, 10 Coleridge Ave., Linsmore Ave. $1,459, Poulton $1,379, Warland Ave. $2,672, Queensdale Ave. $5,873, to P. Mohan, 9 Arundel Ave., Arundel Ave. $1,585, to W. B. Mitchell Constr. Co., 43 Elmwood Ave., London, Sammon Ave. $5,590, Meagher Ave. $6,373 to W. R. Worthington Constr. Co. 57 Lascelles Blvd., Pape Ave., $2,063. Grand total $56,967.

Ont., Toronto—York Twp. 7,400 lin.ft. 12- to 60-in. truck sewer in Western Rd., Dennis, Lambton, Guestville Aves. to Nelson River Constr. Co., Bank of Hamilton Bldg., $104,468; 4,900 lin.ft. 48- to 60-ft. in Holmesdale and Greyton Crescents, Preston and Times Rds., Allenvale, Lauder, Glenholme Aves., to J. H. McKnight, Constr. Co., 88 St. Davids Ave. $119,342.

Ont., Toronto—Installing brick and concrete trunk sewer Pape Ave. Relief Sewer, from Austin Ave. to Canadian Northern R.R., to Grant Constr. Co., 47 Wellington St., East, $6,440, Jones Ave. and Gerrard St. Relief Sewer to J. O. Jervu, 90 Curzon St., $134,343, Dundas St., from Indian Rd. to Weston Rd. to W. R. Worthington Constr. Co., 57 Lascelles Blvd., $31,340. Grand total $172,123.

B. C., Point Grey—Installing vitr. and concrete sewers in various streets to N. Cosco, 1174 Bway. W., Vancouver, $25,000.

Waste Disposal

BIDS DESIRED

N. Y., Long Island City—Aug. 17 by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repairs to Ravenswood incinerator at Van Alst and Graham Aves.

Fla., Lakeland—Sept. 8 by City, garbage incinerator of 20 ton capacity in 10 hrs., C. C. Brown, city engr.; adv. E. N.-R. Aug. 13. Noted May 15.

BIDS RECEIVED

Mass., New Bedford—Bd. Health, garbage and rubbish incinerator plant, from Pittsburgh-Des Moines Co., Curry Bldg., Pittsburgh, Pa. $81,000. Noted July 16.

Bridges

PROPOSED WORK

O., Dayton—Montgomery Co. plans 100 ft. 2 span steel highway bridge over Wolf Creek, at Riverview Rd. $75,000, and 50 ft. bridge over Bear Creek, $35,000. W. O. Pease, co. surv.

Ill., Chicago—Supt. Pub. Service, County Bldg., soon takes bids three 159-ft. rein.-con. spans at 167th St. and Burnham Ave. $81,500. G. A. Quinlan, 910 County Bldg., Chicago, Engr.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Ave., take bids about Sept. 1, 400 ft. concrete bridge over Lagoon in Grant Park at Roosevelt Rd. east of Museum. $1,000,000. Linn White Engr. Co., 57th St. and Cottage Grove Ave., engrs.

Ill., Chicago—City, takes bid about Aug. 25, new 168 ft. bascule span, 62 ft. wide, over south branch Chicago River at Adams St. $1,200,000.

Wisconsin—See "Streets and Roads."

North Dakota—Williams (Williston) and McKenzie (Schaefer) Counties, plan 400 ft., steel and concrete bridge across Missouri River about 4 mi. southwest of Williston. $600,000. F. A. Hoare, Williams Co. aud.

Minnesota and North Dakota—States of Minnesota and North Dakota having sketches made 850 ft. bridge with 36 ft. roadway and two 8 ft. sidewalks on Trunk Highway 2 over Red River connecting Moorhead, Minn. and Fargo, N. D. To exceed $200,000.

Tex., Anderson—See "Streets and Roads."

BIDS DESIRED

N. Y., Buffalo—Aug. 21, by Comr. Pub. Wks., concrete plate girder bridge at South Park Ave. to exceed $100,000. C. E. P. Babcock, Municipal Bldg., engr.

New Jersey—Aug. 31, by State Hy. Comn., Broad St., Bank Bldg., Trenton, 2-span, rein.-con. slab bridge over Westecunk Creek, in Ocean Co. A. Lee Grover, secy. adv. E. N.-R. Aug. 13.

Pa., Waynesburg—Green Co. taking bids for 20 ft., rein.-con. 1 span bridge over Boyds Run on road from Ruffs Creek to Lippincott. $25,000. T. B. Dinsmore, Union Trust Bldg., engr.

Pa., Williamsport—Aug. 20 by Comrs., Lycoming Co., G. W. Tompkins, pres., Court House, 240 ft., 4 span rein.-con., girder bridge also moving present bridge 33 ft., down stream placing same on temporary pile abutments. M. C. Krause, Co. engr.

South Carolina—Aug. 18, at office State Hy. Dept., Columbia, 168 ft., riveted steel truss over Crowders Creek, on State Route 163, State Project S-544, York Co., and 148 ft., rein.-con., bridge on Newberry, State Project S-534. Newberry Co. E. D. Sloan, Court House, Greenville.

Ill., Chicago—South Park Comrs., 47th St. and Cottage Grove Ave., taking bids and open same about Aug. 25, for foundations and abutments for two 100 ft. steel and concrete bridges, 85 ft. wide over Illinois Central R.R. tracks, one at Jackson St. and other at 7th St., $250,000, two 200 ft. steel and concrete bridges, 40 ft. wide, over Illinois Central R.R. tracks, one at Harrison St. and other at Van Buren St., two 200 ft., steel and concrete bridges, 105 ft wide, over Illinois Central R.R. tracks, at Lake Front Park, on Congress St. L. White, 57th St. and Cottage Grove Ave., engrs.

Wisconsin—See "Streets and Roads."

Wis., Racine—Aug. 19, by H. A. Nelson, Comr. Pub. Wks., 185 ft. steel girder bridge, 44 ft. wide at Mead St. $50,000. Wisconsin Bridge & Iron Co., North Milwaukee (Milwaukee P. O.), engrs. Former bids rejected. Noted July 23.

Minnesota—Aug. 25, by State Hy. Dept., St. Paul, triple Bridge 4466, 30 ft. long and Bridge 4467, 90 ft. long, both concrete, on State Project 9-35, Federal Aid Project 312. $25,000.

Mo., Benton—See "Streets and Roads."

BIDS RECEIVED

South Carolina—See "Streets and Roads."

Calif., Grass Valley—Nevada Irrigation Dist. North Rock Fill Dam at Bowman, exclusive spillway from W. A. Betchel, 625 Market St., San Francisco $661,702, 9x9.75 ft. Milton Bowman Tunnel, from D. A. Foley Co., Wright & Callendar Bldg., Los Angeles, approximately $900,000, Rucker Creek Tunnel, from T. E. Connolly, 2400 Fulton St., San Francisco, $164,742, one 42-in. needle valve from Waterworks Supply Co., Sharon Bldg., San Francisco, $10,586; furnishing cement from W. B. Celle, Nevada City, at $3.33 per bbl., furnishing steel from E. L. Soule Co., Rialto Bldg., San Francisco, $12,575. Noted July 23.

CONTRACTS AWARDED

Massachusetts—See "Streets and Roads."

Mass., Holyoke — Bd. Pub. Wks., City Hall, 3 span concrete and steel deck girder bridge, Cabot St., to P. J. Kennedy & Co., Inc., 46 Park St., Holyoke, $25,920. Noted July 30.

Connecticut—See "Streets and Roads."

Pa., Freeport—Armstrong Co., (Kittanning), new bridge over Buffalo Creek at Lane Station connecting Butler and Greensburg Rd. and Kittanning and Pittsburgh Rd. State, to Farris Eng. Co., Empire Bldg., Pittsburgh. Engrs. est. $189,600. Armstrong Co., Freeport Boro. and Pennsylvania R.R. Co., to share expense.

North Carolina—State Hy. Comn., Raleigh, rein.-con., bridges and culverts on Project 395, Robeson Co., to Rhyne & Kitchen, Henderson, $63,341, on Project 889, Yancey Co., and Project 851, McDowell, by day labor. Noted Aug. 6.

Miss., Biloxi—Bd. Supervs. Harrison Co. Gulfport, Back Bay Bridge, rein.-con. steel draw span bridge, across Bay of Biloxi, to A. M. Blodgett, Inc., New Orleans. $326,000. Noted July 23.

Ill., Chicago—City, for double leaf bascule bridge over Calumet River, here, substructure, filling and paving approaches, to Fitzimmons & Connell Dredge and Dock Co., 10 South La Salle St., $542,000; superstructure, to Ketlert-Elliott Co., Chicago, $374,000.

Ill., Chicago—South Park Comrs, 57th St. and Cottage Grove Ave., (two) 250 ft. steel and concrete bridges, 80 ft. wide, over Illinois Central R.R. tracks, one at Oakwood Blvd. and other at 31st St., substructures to Sumner Sollitt Co., 225 North Michigan Blvd., $109,000 and $78,174 respectively, fabricating and erecting steel, to The Kettler-Elliott Co., Chicago, $77,678 and $72,636 respectively. Noted May 28.

Wis., Baraboo—Saul Co. Hy. Com., W. Halbersleben, comr., three 45 ft., concrete deck girder spans, etc., at Woolen Mills, to M. A. Adams & Co., 927 Andrews Bldg., Minneapolis, Minn. $32,794.

Wis., Milwaukee—Dept. Pub. Wks., constructing substructure and erecting superstructure for 1,100-ft. steel viaduct at Holton St., to S. M. Siesel Co., 160 Ogden Ave., $289,000. Noted July 30.

Ia., Rock Rapids—Lyon Co. rein.-con. and steel, deck girder bridge, with four 74-ft. spans, 24 ft. to Wickes Eng. & Constr. Co., 1441 Bluff St., Des Moines, $42,444.

Nebraska—See "Streets and Roads."

Wash., Olequa—Comrs. Cowlitz Co., Kelso, 500 ft. steel bridge and approaches, 18 ft. roadway, to Union Bridge Co., Porter Bldg., Portland, Ore. $40,500.

California—State Hy. Comn., Sacramento, rein.-con. bridge over Coachella Storm Water Channel, Riverside Co., to Badt, Falk & Bergendahl, Bartlett Bldg., Los Angeles, $37,495, engrs. est. $38,250; also one over Charley Creek, Shasta Co., to Bordwell & Zimmerman, Napa, $71,770. Engrs. est. $69,320. Noted Aug. 6.

Dams

PROPOSED WORK.

Wis., Prairie du Sac—Wisconsin River Power Co., care of L. Clark, Gay Bldg., secy., plans rein.-con. and steel dam on Wisconsin River at Henry Creek Flats. $25,000. Engineer not selected.

Tex., Cuero—Middle West Utilities Co., Frost Bldg., San Antonio, having preliminary plans prepared, dam across Guadalupe River near Cuero, to be used as power for generating plant. $150,000. Private plans.

CONTRACTS AWARDED

Mo., Bagnell—See "Buildings Industrial."

Mo., La Plata—See "Waterworks."

Tex., San Antonio—J. W. Tobin, mayor, City Hall, constructing Olmos Creek Detention Dam and appurtenances, to McKenzie Constr. Co., Travis Bldg., $375,613. Noted July 2.

Railways

PROPOSED WORK

Texas—St. Louis, Brownsville & Mexico R.R. Co., subsidiary of New Orleans, Texas & Mexico Ry. Co., Houston, soon takes bids approximately 32 mi. standard gauge railroad between Raymondville and Lyford, Willacy Co., $773,320. C. S. Kirkpatrick, Houston, ch. engr.

Ontario — Hydro Electric Power Comn., 190 University Ave., Toronto, plans constructing 9 mi. double tracking, and 3 mi. new line, in Windsor. $750,000. F. A. Gaby, 190 University Ave., engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ky., Paducah—See Unclassified.

Tex., Cotulla — Cotulla Irrigation Dist. having plans revised 43,000 acres to be irrigated. $7,000,000.

Tex., Mercedes—Hidalgo Co. Water Impvt. Dist. election soon $250,000 bonds 6,300 acres to be irrigated.

Tex., San Antonio — City having preliminary plans prepared by I. Ewing, city engr. P. E. Crecelius, 201 Torcido Dr. consult. engr. straightening, widening and deepening San Antonio River. $750,000. Noted July 9.

BIDS DESIRED

Fla., Fort Pierce—Aug. 30, by L. A. Peacock, ch. engr., Fort Pierce Finance &

Excavation, Drainage, Irrigation, Levees (Continued)

Constr. Co., P. O. Box 838, for 12- to 15-in. hydraulic dredging. Adv. E. N.-R., Aug. 13.

BIDS RECEIVED

N. Y., New York—Dept. Docks, Pier A, Battery Place, improving East River, Class 1, removing existing structures and dredging, Class 2, bulkhead platform with wall, Class 3, lateral extension to pier new 16 and fender system for pier new 17 at Fulton St., Contr. 1844, from General Contg. & Eng. Co., 237 Fulton St. $98,831.

CONTRACTS AWARDED

Mo., Kennett—Dunklin Co. Court, Honey Cypres D.D., 34, approximately 740,000 cu.yd. excav., to O. J. O. Mear, Clinton, Ky., at $0.0925 per cu.yd.

Streets and Roads

PROPOSED WORK

Mass., East Boston (Boston P. O.)—Dept. Pub. Wks., Boston, plans resurfacing Maverick and Breman Sts. here. $25,000. J. A. Rourke, comr.

Mass., Lowell—City Council voted $25,000 paving Bridge St.

N. Y., Brooklyn—A. Guider, boro pres. rejected bids July 29, for regrading and recurbing Rochester Ave. Noted Aug. 6.

Tex., Anderson—Grimes Co. plans grading, concrete surfacing and bridging, 8.75 mi. State Highway 45, Roans Prairie to Walker Co. Line. $115,000. O. A. Seward, Jr., Navasota, engr.

Tex., Anson—Jones Co., plans grading concrete paving and bridging 9.68 mi. State Highway 30, 58,500. J. W. Puckett, Stamford, engr.

Tex., Bastrop—Bastrop Co., voted $25,000 bonds grading and surfacing Giddings-Waelder Highway. A. Schlafle, La Grange div. engr. Noted July 2.

Tex., Kaufman—Kaufman Co., plans gravel surfacing 10.74 mi. State Highway 40, $100,000. S. J. Treadway, Ferrell, engr.

Tex., Laredo—Webb Co., plans grading and asphalt macadam surfacing 1.91 mi. State Hy. 2 and 12-A, A.A.P. 559. $27,775. T. E. Huffman, co. engr.

Tex., San Antonio—Making preliminary plans asphalt surfacing San Antonio-Austin Rd. $100,000. F. Hudson, div. engr.

Tex., Smithville — Voted $25,000 bonds permanent paving various city streets. Address City Engineer.

Tex., Texarkana—Election Aug. 12, to vote $600,000 bonds for street paving. O. Yenglin, city engr.

Tex., Uvalde—Uvalde Co., plans rock asphalt surfacing 14.16 mi. State Highway 3, Sabinal-Knippa Rd. $80,000. M. E. Savage, co. engr.

Okla. Fairview—Plans grading and paving 4 blocks Main St. $43,000. H. G. Olmstead, 2230 West 18th St., Oklahoma City, engr.

Okla., Hobart—Making surveys grading and paving 33 blocks Cleveland, Apache, Keowa and 19th Sts. $86,000. V. V. Long & Co., Oklahoma City, engrs.

Okla., Newkirk—Soon takes bids grading, curbing and concrete paving 12 blocks various city streets. H. E. Musson & Co., 401 Grain Exch. Bldg., Oklahoma City, engrs. Noted July 30.

Okla., Okemah — Making preliminary plans grading and concrete paving 21 blocks 6th, Atlanta, Oakley and Columbus Sts. $125,000. V. V. Long & Co., Oklahoma City, engrs.

Okla., Temple—Making preliminary plans grading and paving 5 blocks Main St. $32,000. Engineer not selected.

Wash., Everett—City Council takes bids about Aug. 28, paving, etc., Pacific Ave. between Bway. and Pine St. $64,572. S. E. Paine, Everett, engr.

Ont., Fort Erie—Welland Co. plans 2½ mi. macadam or concrete paving, Fort Erie-Chippawa Rd., here. $92,000. W. W. Brookfield, Box 1334 Welland, engr.

Ont., Hamilton—Plans asphaltic concrete or brick on concrete paving 80,000 sq.yd. various streets. $327,900. W. L. McFaul, City Hall, engr.

Ont., Kingsville—Essex Co. plans concrete paving 3 mi. county rd. from 3rd Concession to Talbot, near here. $75,000. J. J. Newman, Davis Bl., Windsor, engr.

Ont., North Bay—Plans ½ mi. asphaltic concrete paving 24 ft. Jane St., from Klock Ave. to Harvey St., McIntyre St. from Klock Ave. to Fraser St., 1st Ave. from Fisher St. to Regina St. $65,000. F. G. Mackie, City Hall, engr.

Ont., Toronto—City Council soon takes bids asphaltic concrete paving Front St., from Bay St. to Yonge St., $20,000, Boulevard Dr. from Bathhurst St. to Dufferin St., $211,000. Rountree and Turnberry Aves. $11,688. R. C. Harris, City Hall, engr.

Ont., Wiarton—Making plans concrete paving various streets. $30,000. A. Stephenson, Walkerton, engr.

BIDS DESIRED

New York—Sept. 1, by Westchester Co. Park Comn., West Pondfield Rd., Bronxville, grading, etc., from Boston Post Rd., to New Rochelle Rd., Hutchinson River Parkway, J. Bowner, ch. engr.; adv. E. N.-R. Aug. 13.

N. Y., New York—Aug. 20, by H. Bruckner, pres., Bronx Boro, 3d and Tremont Aves., grading and laying sidewalks, etc., East 197th and 196th St., Sheridan and Paulding Aves., setting curb and laying sidewalks, etc., in Tyndall Ave., retaining wall on westerly side of Harlem River Terrace, sewers, etc., in College, Lacombe and Underhill Aves, and East 170th St.

N. Y., New York—Aug. 18, by J. Miller, pres., Manhattan Boro, Municipal Bldg., granite block repaving, etc., Marginal St., roadway of intersection of West 125th St., and Bway.

N. Y., St. George—Aug. 17 by J. A. Lynch, pres., Richmond Boro, Boro Hall, grading,, etc., Lexington Ave.

N. J., Millville—Aug. 31, by State Hy. Comn. Broad St. Bank Bldg., Trenton, 18,727 sq.yd. concrete paving, etc. State Hy. Route 20, Sect. 4, here. A. L. Grover, secy. Adv. E. N.-R. Aug. 13.

N. J., Newton—Aug. 26, by Bd. Chosen Freeholders Sussex Co., concrete paving, Sparta-Woodport Rd., Sect. 2, in Twp. of Sparta. H. Snook, co. engr.; adv. E. N.-R. Aug. 13.

N. J., Wenonah — Aug. 19, Freeholders Gloucester Co. (Woodbury), concrete paving 35,250 sq.yd. Wenonah-Mantua Rd. W. C. Cattell, Woodbury, engr.

Pennsylvania — Aug. 25, by Dept. of Highways, Harrisburg, bituminous surface on concrete or rein.-con. paving 43 mi. in Beaver, Berks, Blair, Clarion, Delaware, Erie, Mifflin, Montgomery, Schuylkill, Susquehanna, Venango and Westmoreland Counties. P. D. Wright, secy.; adv. E. N.-R. Aug. 13.

Pennsylvania—Sept. 1, by Dept. Hy. Harrisburg, bituminous or concrete paving 31 mi. roads in 9 counties. P. D. Wright, secy, adv. E. N.-R. Aug. 13.

Pa., Avonmore—Aug. 26th by Council, Cambrai Co., J. W. Roman, secy., grading and paving, one course rein.-con. paving Indiana Ave. and 6th St. $25,000.

Pa., Mars—Aug. 19, by Boro Council, Butler Co., C. E. Sybert, secy., grading and curbing and vitr. brick on slag paving, 1,988 ft., Marshall Way., Beaver and School Sts., Aiken, Kesselman & Greenough, Butler, engrs.

Pa., Scottdale—Aug. 20 by Boro Council, J. T. Strickler, secy., grading, paving and curbing 18,895 sq.yd. various streets.

Maryland—Aug. 18, by State Hy. Comn., Baltimore, concrete paving 1.25 mi. road from end of Contr. K-26 to Crosby, Kent Co. Contr. K-29. Adv. E. N.-R. Aug. 13.

Maryland—Aug. 25, by State Hy. Comn. Baltimore—graveling 2.25 mi. road from Pomonkey toward Marshall Hall, Charles Co. Contr. ch.-33. Adv. E. N.-R. Aug. 13.

West Virginia—Aug. 25 by State Roads Comn., Kanawaha, Court House, Charlestown, constructing roads in various counties; adv. E. N.-R. Aug. 13.

W. Va., Philippi—Aug. 24, by County Court, Barbour Co. grading and concrete paving 4 mi. Buckhannon-Clarksburg Pike. $160,000. R. K. Johnson, Philippi, engr.

North Carolina—Aug. 25 by State Hy. Comn., Raleigh, hard surfacing roads in Gates, Duplin, Robeson, Columbus, Durham, Hartnett, Montgomery, Caswell, Rowan, and Haywood Counties, topsoiling, sand, clay, grading or graveling roads in Rockingham, Caldwell and Buncombe Counties; adv. E. N.-R. Aug. 13.

South Carolina—Aug. 18 at office State Hy. Dept., Columbia, constructing 4.6 mi. road State Route 8, Federal Aid Project 20-A, Cherokee Co., 43,945 sq.yd., plain concrete surfacing and 50,500 sq.yd. bituminous concrete surfacing, etc. E. D. Sloan, Court House, Greenville.

Ga., Albany—Aug. 17, by City Comrs. improving 59 blocks. M. Wright, city mgr.

Fla., Ft. Pierce—Aug. 28, by C. C. Murry, city aud. clk., paving 270,000 sq.yd. various streets, 150,000 lin.ft. combination curb and gutter, etc., W. A. Smith, mgr.; adv. E. N.-R. Aug. 13.

Fla., Tampa—Aug. 18, by City Comn. W. E. Duncan, clk., grading and filling, Kentucky rock asphalt or warrenite bituminous on limestone rock widening, 6,500 sq.yd., Rd. 1, Florida Ave., $100,000, 10,100 sq.yd., Rds. 3 and 6, South Franklin and North Blvds., $30,000, vitr. brick on crushed limestone widening 18,198 sq.yd. Rds. 9 and 10, Southern Blvd., and Nebraska Ave. $50,000, and vitr. brick widening, 7,150 sq.yd. Rds., 7 and 8, North Blvd., $30,000. R. D. Martin, City Hall, engr.

Fla., Tampa—Aug. 25, by City Comn. W. E. Duncan, clk., grading and asphaltic block or vitr. brick on lime rock paving, Projects 2, 4 and 5 on Fuller, West and West Warren Sts., Michigan and Woodrow Aves., $40,000. R. D. Martin, City Hall, engr.

La., Hammond—Aug. 18, by Bd. Supervs. for Consolidated Rd. Dist. A, grading and gravelling 80 mi. road, incl. 12,200 tons washed or screen gravel, 54,000 tons sand clay gravel, roads in various parts Tangipahoa Parish. H. T. Richardson, Hammond, engr.

La., Lake Charles — Aug. 31, by City Council, concrete paving 22 streets. E. L. Garham, comr. Streets and Parks.

Ala., Mobile—Sept. 3, by Bd. of City Comrs., paving and storm sewers, etc., in various streets. G. E. Crawford, comr., adv. E. N.-R. Aug. 13.

O., Brooklyn Heights (mail Independence P. O.)—Aug. 18, by Village, vitr. brick, sheet asphalt or concrete paving, etc., 5,600 sq.yd. one street here. To exceed $25,000. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engrs.

O., Cleveland—Aug. 15, by Comrs. Cuyahoga Co., paving Lake Shore Blvd. 5. $580,000. F. Lander, Court House, engr.

O., Cleveland—Aug. 19, by City, paving, Rudyard Rd. N.E. superior Ave., West 84th Place, East 57th, 67th, 90th, 115th, 118th, 125th, 138th, 163d, 165th Sts., west 30th, 165th and 168th Sts. R. Hoffman, city engr.

O., Columbus—Aug. 25, by W. H. Duffy, dir. Pub. Serv., grading, bridging, laying necessary water services and sewer connections, and paving with (a) asphalt, (b) brick, and (c) concrete, 31,843 ft., Champ Chase Drive, Algonquin, Clinton Heights, Deshler, Demerest, Eureka, Letchworth, Magnolia, Park, Powhattan, Roys, Southampton, Sylvan, Townsend, and 26th Aves., Gregory, and Girard Sts., 24 ft., (a) $637,341, (b) $690,678, 9,668 ft., Tulane Rd., Harris, 21st, 22d and 20th Aves, (a) $181,221, (b) $182,941, 26 ft., 620 ft., Alley west 5th St., 20 ft., (b) $5,576, (c) $4,948, 1,388 ft., Ludlow St., 33 ft., (b) $23,750, 913 ft., Alley north Rich St., 30 ft., (b) $21,754, (c) $10,234, 341 ft. Alley north Wyandotte Ave., 15 ft. (b) $2,313, (c) $2,064; widening, 450 ft., Long St., old stone block, $8,344, granite guttering, $9,456.

Ill., Lewistown—Aug. 15, by City, 2,650 cu.yd. excav., 5,125 lin.ft. portland cement and 198 ft. concrete marginal curbing, 8,000 sq.yd. 7 in. concrete paving, 2,411 lin.ft. 3/7 x 8 in. and 5,125 ft. 1/4 x 7 in. expansion joints, 1,100 lin.ft. 10 in. storm sewer, 497 lin.ft. 6 and 8 in. connection pipe, etc. various streets.

Ill., McHenry—Aug. 18, by City Clerk, grading, curbing and rein.-con. or vibrolithic concrete paving, etc. 9,421 sq.yd. Green and Pearl Sts. Wells Engr. Co., Geneva, engrs.

Ill., Peoria—Aug. 17, by Bd. Local Impvts., C. F. Bartson, pres., grading, curbing and asphalt paving, etc., East Republic Ave.; grading, curbing and brick on concrete paving, etc., California Ave., between East Nebraska and Frye Aves. $27,167. W. E. Backes, City Hall, engr. Noted June 25.

Wisconsin—Aug. 18, by State Hy. Comn., at Office 1, Capitol Annex, Madison, grading and surfacing, etc. 4,792 mi. Portage Waupun Rd., Federal Aid Project 419-A, Columbia, Co., Option A, 10,680 cu.yd. gravel surfacing, Option B, 10,800 cu.yd. crushed stone, both 26 ft. 800 cu.yd. stripping pit. J. T. Donaghey, highway engr.

Wisconsin—Aug. 19, by State Hy. Comn., at Office 9, Teller Bldg., Lancaster, improving 8.765 mi. Gotham-Readstown-Viroqua Rd., Federal Aid Project 422-A, Richland Co., 66,287 cu.yd. earth, 14,498 cu.yd. loose and 2,025 cu.yd. solid rock excav., 7,181 cu.yd. borrow, 195 cu.yd. channel change, 29,410 lin.ft. intercepting ditch, 15,654 cu.yd. 6 in. shale surfacing, etc.; also 70 ft. plate girder bridge, Sta. 215-C plus 45, and 30 ft. rein.-con. span Bridge 347 plus 35. J. T. Donaghey, Madison, highway engr.

Wisconsin—Aug. 21, by State Hy. Comn., at Office, 1st Natl. Bank Bldg., Superior, grading and gravel surfacing, etc. 6,669.9 cu.yd. Frederick-Grantsburg Rd., Federal Aid Project 421-A, Polk Co. and 9,358.9

Streets and Roads (Continued)

cu.yd. Federal Aid Project 421-B, Burnett Co., J. T. Donaghey, Madison, highway engr.

Wis., Janesville—Aug. 17, by Dept. Pub. Wks., one course rein.-con. paving, etc., 6,203 sq.yd. Glen St. and Columbia Circle. R. R. Conway, chr.

Wis., Racine—Aug. 19, by H. A. Nelson, Comr. Pub. Wks., 12,000 sq.yd. concrete paving various streets. J. W. Beaugrand, City Hall, engr. Noted July 16.

Minnesota—Aug. 25, by State Hy. Dept., St. Paul, **(F.A.P. means Federal Aid Project and S. P. means State Project)**, grading 200,000 cu.yd. S. P. 6-45, Sects. 1 and 2, F.A.P. 378, $40,000, 150,000 cu.yd. S.P. 7-34, F.A.P. 374, $30,000, 120,000 cu.yd. S.P. 8-42, F.A.P. 302, $25,000, 205,000 cu. yd. S.P. 64-23, $40,000, 126,000 cu.yd. S.P. 68-22, Sect. 2, F.A.P. 308, $25,000, 260,000 cu.yd. S.P. 69-22, Sect. 2, F.A.P. 339, $52,-000; concrete paving, etc., 42,000 sq.yd. S.P. 1-48, F.A.P. 1, $98 000, 165,000 sq.yd. S.P. 1-44, Sect. 5, F.A.P. 1, $360,000, 171,000 sq.yd. S.P. 5-30, Sect. 2, F.A.P. 345, $375,-000, 120,800 sq.yd. S.P. 5-36, F.A.P. 345, $265,000, and 268,700 sq.yd SP 27-28, F.A.P. 370, $650,000. Engr. Dept. State Hy. Dept.

Neb., Plattsmouth—Aug. 17, by J. J. Cloidt, city clk., grading, curbing and Warrenite, asphaltic or rein.-con. paving, 18,065 sq. yd. Dists. 34 to 39, inclusive.

Neb., Wilbur—Aug. 17, by W. Skopee, city clk., grading, curbing, and Warrenite, sheet asphalt, brick, asphaltic concrete, vibrolithic or concrete paving, 11,700 sq.yd. various streets, also 2,987 ft. 12-30 in. vitr. crock sewers. Nixon & Reynolds, 305 Omaha Grain Exch. Bldg., Omaha, engrs.

Mo., Benton—Aug. 17, by Little River D.D., J. H. Himmelberger, pres., Bd. Supervs., constructing road near here, 53,000 cu.yd. excav., 5,900 sq.yd. gravel surfacing etc. Morgan Eng. Co., Memphis, Tenn., engrs.

Ark., Marked Tree—Aug. 17, by T. C. Brigance, secy. grading and graveling 22 mi. Ozark Trail Rd. Impvt. Rd. Impvt. Dist.

Ark., Marked Tree—Aug. 18, by N. O. Whitlatch, secy. Rd. Impvt. Dist. 5, grading and graveling 4.5 mi. Lateral No. 1, Poinsett Co. J. E. Buxton, engr.

California—Aug. 31, by State Hy. Comn., Sacramento, improving 1.9 mi. road from top Mt. Springs Grade to Myers Creek Bridge, Imperial and San Diego counties. R. M. Morton, state hy. engr.

California—Aug. 24, by State Hy. Comn., Forum Bldg., Sacramento 0.4 mi. grading and concrete paving, road between American River and Globe Iron Wks., Sacramento Co. R. M. Morton, Sacramento, state hy. engr.

Calif., San Diego—Aug. 24, at office A. H. Wright, cl' grading, curbing, sidewalk and 1½ in. asphaltic concrete on 2½ in. bituminous paving, 183,659 sq.ft. 19th St. from B to Imperial Sts. F. A. Rhodes, engr.

Que., Verdun—Aug. 12, by J. Wishart, secy. plans improving Main St., incl. 31,150 sq.yd. macadam and 16,120 sq.yd. concrete paving. $94,540. City Engineer, 442 Church Ave.

Ont., Ridgetown—Aug. 15, by W. A. Smith, chn. Bd. Pub. Wks., curbing, guttering, and 9,000 sq.yd. rein.-con. paving various streets. $25,000. W. D. Colby, Harrison Hall, engr. Noted May 21.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 6,500 ft. highway in Westbridge and Sutton, from R. H. Newell Co., Westbridge, $25,344, 3,000 ft. highway in Hamilton, from Welch & Moynihan, 15 Front St., Salem, $11,449, 2,484 ft. highway in Medfield, from Reynolds Bros., Inc., 179 Summer St., Boston, $14,046, gravel surfacing 3,800 ft. highway in Gill, from H. & J. P. Green, 325 Greenwood St., Worcester, $20,116, and two concrete bridges and bituminous concrete approaches on 2,450 ft. highway in Somerset and Swansea, from Milliken and Armstrong Inc., 50 Eddy St., Providence, R. I., $154,368.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Aug. 4, from Kennedy & Smith, Inc., 93 Amity St, Flushing, asphalt block repaving Jamaica Ave., $68,535, from Walsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing, sidewalks, etc., in 98 Place, etc., $5,427, grading Nassau Blvd. $105,362, from H. E. Kordes Co., Inc., 2577 Cooper St., Brooklyn, Hull Ave., $10,941, from Haupert, Bizzo & Foley, paving sidewalks, etc., on Cooper Ave., $1,843, from Cranford Co., 52 9th St., Brooklyn, asphalt paving Purdy St., $17,175, Roosevelt Ave., $48,529, Theodore St $21,090, 89th Ave. $12,375, 126th St., $12,197, from S. Russoff Co., Inc., 15 Park Row, New York City, grading, etc., Nassau Blvd., $155,958. Noted July 30.

N. Y., New York — H. Bruckner, pres., Bronx Boro, 3rd and Tremont Aves., Aug. 6, sheet asphalt paving Castlehill Ave. from Brusstar Constr. Co., Harlem River and 150th St. $121,908, asphalt block paving 164th St. from Burnside Contg. Co., 270 Burnside Ave. $21,482, sewer in O'Brien Ave. from C. Turaino Contg. Co., $6,370, in Revere Ave., from F. Pestone, $1,618. Noted July 30.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete curb, steel guard, etc., Fingerboard Rd., etc., from F. J. Zarelli, $17,916. Noted July 30.

Pa., Phila. — Bureau Highways, Dept. Pub. Wks., Aug. 4, from F. Mark Contg. Co., 2820 North 21st St., grading, Akron and Sauls Sts., $13,358; from Curtis Bros., State Rd. and Unruh St., Algard and Walker Sts., $265, Solly St., $357; from Morrissey Bros., 4345 North 7th St., Borbeck St., $1,964, Oakley and Kyson Sts., $3,697, Prospect St., $1,145, Shelborne St., $4,519; from Dewees Bros., 5th and Fisher Aves., Burton, Dilman, Gillespie, Glenlock and Sanger Sts., $11,434, Thorps Lane, $8,010; from S. C. Rotzell, Limekiln Park & Haines St., Carlisle St., $1,157, Cedar Brook and Pickering Sts., $5,393; from F. V. Monaghan, Water St. and Clarkson Ave., Devereaux St., $2,514; from T. P. Lee, 5629 Cherry St., Grays St., $2,703, Media St., $1,553; from McNichol Paving & Constr. Co., 1923 Cherry St., Media St., $8,768; from R. B. Wenner, 2313 Walnut St., Reach St., $655; from Barber Asphalt Co., 239 North 30th St., asphalt paving, Belfield St. $3,327, 21st St., $17,713; from Eastern Asphalt Co., Pennsylvania Bldg., Harworth St., $6,098, Marvine St., $4,255, Nedro St., $8,493, asphalt repaving, 33rd St., $12,997; from Union Paving Co., 30th and Locust Sts., asphalt paving, Lippincott and 33rd St., $13,358, Mercer St., $3,363, Shelmire St., $12,492, 15th and 67th Sts., $11,085; from Mack Paving and Contg. Co., Nicetown Lane and Luzerne Sts., Vankirk St., $17,035, Wyncote St., $13,510; from F. W. Lovett, Newark, Del., country road improvements, Claridge St., $10,994; from Neely Bros., & Russell, Oxford Ave., and Wakeling St., Dana St., $1,889, Poquessing St., $2,210; from L. Baker, 1518 North 8th St., paving and repaving certain alleys in 1st Highway Dist. E-2, $4,361, 3rd Highway Dist., E-4, $2,190, 6th Highway Dist., E-6, $6,262, E-7, $786; from J. Zecca & Co., 6441 Vine St., 2nd Highway Dist., E-3, $3,829; from Atlantic Refining Co., 260 South Broad St., furnishing asphaltic cement, $14,775.

South Carolina—State Hy. Dept., Columbia, **(S.R. means State Route, F.A.P. Federal Aid Project, and S.P. State Project)** sand clay surfacing 7.22 mi. S.R. 331, S.P. S-542, Allendale Co., from R. S. Zeigler, Estill, $25,262, 10.1 mi. S.R. 341, S.P. S-547, Florence Co., and constructing 8.3 mi. S.R. 43, F.A.P. 268-B, from Houseal & Teague, Winnsboro, S. C., $46,768 and $41,807 respectively, granite surfacing etc., 2.75 mi. S.R. 73, S.P. S-582-A, Lancaster Co., from A. S. Barron, York, $15,991; 184 ft., creosoted timber bridge on S.R. 43, F.A.P. 268-B McCormick Co., from Sherard Constr. Co., Calhoun Falls, $7,722. Noted July 23.

O., Cleveland — Cuyahoga Co., paving Hilliard Rd. 2, from Cleveland Trinidad Paving Co., The Arcade, brick, $73,953, bituminous concrete $64,901, concrete $63,-699, Wallings Rd., from Lake Erie Paving Co., Leader-News Bldg., macadam $104,276, from Ohio Contg. Co., Newman-Stern Bldg., concrete $109,995. F. Lander, Court House, engr. Noted July 23.

O., Cleveland—City, July 22, paving with **(a)** asphalt **(b)** brick, **(1)** East 140th St., **(2)** East 135th St., **(3)** Carnegie Ave., incl. 9,330 sq.yd., vitr. brick or sheet asphalt, 4,910 lin.ft., stone curbing, 8,050 lin.ft., 4 in. drain tile guttering, 7,720 cu.yd. earth excav., **(4)** Granton Ave., **(5)** West 40th St., **(6)** East 146th St., incl. 22,400 sq.yd., vitr. brick or sheet asphalt, 11,800 lin.ft., stone curbing, 12,860 lin.ft., 4 in. drain tile guttering, 11,200 cu.yd. earth excav., **(7)** East Boulevard, **(8)** East 120th St., **(9)** Bancroft Ave., **(10)** West 127th St., incl. 19,880 sq.yd., vitr. brick or sheet asphalt, 18,205 lin.ft., stone curbing, 19,260 lin.ft., 4 in. drain tile guttering, 18,880 cu.yd. earth excav., **(11)** West 111th St., **(12)** Sandusky Ave., **(13)** East 37th St., **(14)** Cedar Ave., incl. 27,520 sq.yd. vitr. brick or sheet asphalt, 23,500 lin.ft. stone curbing, 24,875 lin.ft., 4 in. drain tile guttering, 4,770 cu.yd. earth excav., from Bentley Bros., 3039 Euclid Ave., **(a1)** $11,305, **(b1)** $12,547, **(a3)** $41,933; from Garland Bros., 5806 Franklin Ave., **(a2)** $17,716, **(b2)** $19,258, **(a9)** $51,855 **(b9)** $54,785; from Highway Constr. Co., West 112th St., and Madison Ave., **(a4)** $28,280, **(b4)** $30,855, **(a6)** $85,-565, **(b5)** $86,389, **(a10)** $30,146, **(b10)** $35,490; from Roehl Bro., 7002 Denison Ave., **(a5)** $10,810, **(b5)** $11,957, **(a11)** $11,-103, **(b11)** $12,929; from Cleveland Trinidad Paving Co. The Arcade, **(a7)** $73,931, **(a13)** $11,749; from Baldwin Bros., 4,500 Euclid Ave., **(a8)** $29,555, **(b)** $33,972 **(a12)** $71,203; from River Constr. Co., Society for Savings Bldg., **(b12)** $77,767, from Rieley Bros., The Arcade, **(a14)** $169,537, **(b14)** $216,287. Noted July 16.

Wis., Milwaukee—Dept. Pub. Wks., Aug. 3, asphaltic concrete paving Newport Ave. between Oakland and Murray Aves. and Newport Ave. between Frederick and Maryland Aves.; sheet asphalt resurfacing Farwell Ave. between Franklin St. and Lafayette Pl., from Badger Constr. Co., 97 Wisconsin St., $10,588 and $23,658 respectively, and asphalt resurfacing 27th St. between Vliet and Lisbon Sts., from White Constr. Co., 68 Wisconsin St., $10,061.

Wash., Seattle — Bd. Pub. Wks., 6 in. concrete paving, etc., 9,375 sq.yd. Court St. et al., from Moceri Bros., Thompson Bldg., $29,404.

Calif., Los Angeles—Bd. Pub. Wks., from G. R. Curtis Paving Co., 2440 East 26th St., improving Vanowen St. incl. excav. $16,000, 802,358 sq.ft. 5 in. Willite paving $0.189 per sq.ft., total $172,088; from McCray Co., Amer. Bank Bldg., Los Angeles, Chester St., incl. 15,479 sq.ft. guttering $0.25, 24,543 sq.ft. sidewalks at $0.17 and 7,189 sq.ft. oiled roadway at $0.55; total $30,077; from E. T. Brown Co., 924 W. M. Garland Bldg., Kearsarge St., 5,292 lin.ft. curbing $0.47, 95,881 sq.ft. concrete paving $0.188, total $29,009; from G. A. Simpson Co., Burbank, Vineland Ave., excav. $5,868, 347,786 sq.ft. concrete paving $0.153 total $59,279.

CONTRACTS AWARDED

Vermont—Dept. Highways, State House, Montpelier, concrete paving Federal Aid Project 72-A, in Charlotte, to Frissell & Snyder, Inc., Gardner, Mass., $90,922, Federal Aid Project 77-B, in Windsor, to J. E. Ricci, 79 Elm St., Claremont, N. H., $31,-024, bituminous macadam paving Federal Aid Project 57-C, in Guilford, to Long, Cross & Burnham, Greenfield, Mass. $59,-461. Grand total $181,407.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 4,000 ft. highway in Westborough, to E. L. Gobiele, 1147 Main St., Worcester, $22,630, 9,493 ft. highway in Wrentham, to T. J. Quinn, 101 Mendon Rd., Ashton, R. I., $86,790, rein.-con. paving 4,590 ft. highway in Taunton, to Powers Bros., 161 Montello St., Brockton, $51,689, bituminous concrete paving 3,950 ft. highway in Halifax, to O. R. Mann, South Hanover, $11,641, 1,592 ft. highway in Ayer, to Simpson Bros. Corp., 77 Summer St., Boston, $5,720 and gravel surfacing and 3 concrete bridges on 1,050 ft. highway in Conway, to F. F. McCarthy, 42 Fairmount Ave., Newton, $84,578.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, sheet asphalt paving in Adams St., here, to M. F. Gaddis, 6 Beacon St., Boston, $49,912. Noted Aug. 6.

Connecticut—J. A. MacDonald, comr., State Hy. Dept., Hartford, waterbound macadam paving, to J. Arborio, 82 Church St., New Haven, Sharon-Amenia Rd. in Sharon, $100,741, Gallos Hill Rd. in Norwhich, $39,499, rein.-con. paving Norwich-Putnam Rd. in Killingly, $36,748, bituminous macadam paving Stratford and Trumbull Rd. in Stratford and Trumbull, $35,-407, to M. A. Gammino, 728 Valy St., Providence, R. I., native stone macadam paving Fitchville-Montville Rd. in Bozrah, $57,839, rein.-con. paving Norwich-New London Rd. in Montville and Norwich, $151,827, to Edward Balf Co., Hartford, Hartford Ave., in Wethersfield, $24,074, to Waterbury Concrete Co., Waterbury, East Ave. in Norwalk, $65,926; to Berlin Constr. Co., Berlin, steel superstructure, incl. railing etc. for Gaylordsville Bridge in New Milford, $41,500, to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, approaches etc., Gaylordsville Bridge in New Milford, $35,857, to C. A. Haggerty, Webster, Mass. Memorial Bridge over Quinnebaug River, in Putnam. $28,880. Noted July 23.

New York—A. W. Brandt, comr. highways, Albany, paving 16.3 mi. Conduit Blvd., Contracts 1699 and 5701, Nassau Co., to A. A. Johnson Corp., West St., Long Island City, $562,987. Noted Aug. 6.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to F. Persicano, 350 Fulton St., grading, curbing and flagging Church Ave., $26,568, East 28th St. $2,035, East 35th St. and Cortelyou Rd. $2,099; to W. J. McHale Contg. Co., 1250 Jefferson St., East

Streets and Roads (Continued)

34th St. $2,675, 91st St., Ridge Blvd. and 3rd Ave. $2,050; to Castle Bros., Inc., Johnson Pl., Kings Highway, $5,926, to Grimm Contg. Co., 170 McKinley St., Rutland Rd. $3,240, 8th Ave. $1,595; to Uvalde Asphalt Paving Co., Bway., New York City, asphalt paving 38th St. $6,145, Union St. $5,473, East 28th St. $5,572, East 34th St. $7,613, East 35th St. $3,975, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Marine Ave. $30,801, Quentin Rd. $3,355, West 10th St. $23,650, 14th Ave. $49,663, 51st St. $11,496, 62nd St. $7,398, Ft. Hamilton Parkway $6,356, 82nd St. $6,990, 91st St. $7,025, to B. Turecamo Contg. Co., 8706 Bay 12th St., 65th St. $26,699, to Leonard Paving Co., 233 Bway., New York City, Van Brunt St. $140,336; to C. Bennett Contg. Co., 414 Rutland Rd., grading strip on West 8th St. $2,713, to Hastings Pavement Co., 25 Broad St., New York City, asphalt block resurfacing 22nd St. $5,180. Noted Aug. 6.

N. Y., New York — Park Bd., at office Dept. Parks, 64th St. and 5th Ave., repaving main road Southern Blvd. at entrance to Bronx Park, to Asphalt Constr. Co., 208 Bway., $181,035; concrete curbing Dyckman St. Park, to Brusstar Constr. Co., Harlem River and 150th St. $6,613, granite balustrade, to Coliseum Cast Stone Co., Inc., Walton Ave. and East 173rd St. $21,225; asphalt mastic paving roadway around Tompkins Sq. Park, to Sicilian Asphalt Paving Co., 41 Park Row, $5,000. Noted Aug. 6.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., asphalt block paving East 163rd St., to L. Di Minna, 2366 Lorrilard Pl., $30,767; grading, curbing, sidewalks, etc., on Radcliffe Ave., to Gaffney Constr. Co., 50 East 42nd St. $48,792; sheet asphalt paving Webb Ave. and bituminous concrete paving 206th St., to Interboro Asphalt Co., 2306 Creston Ave., $10,998 and $11,993 respectively; bituminous concrete paving East 179th St., to Brusstar Constr. Co., Harlem River and 150th St., $12,967; sewers in White Plains Rd., to F. Spedero, 827 East 217th St. $7,460, in Baychester Ave., to F. Gabrielle, 1129 8th Ave., $4,982. Noted Aug. 6.

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving Hylan Blvd., and Court Pl., to Richmond Paving Co., 48 Hylan Blvd., Rosebank. $78,609. Noted June 2.

Pennsylvania—State Hy. Dept., Harrisburg **(R. means Route and A. Application)**, to Union Paving Co., 30th and Locust Streets, Phila., improving R. 180, Delaware Co., 126,200 sq.yd. rein.-con., $3.14 per sq.yd., 59,605 cu.yd. excav. $0.90 per cu.yd., total $571,441, to A. A. Bollinger, Huntingdon, R. 33 and 55, Huntingdon Co., 10,754 sq.yd. rein.-con., $3.40, 2,723 cu.yd. excav., $1.30, total $42,353, to McDermott Constr. Co., Niles, O., R. 85 A. 3420 Erie Co., 12,460 sq.yd. rein.-con. $3, 4,413 cu.yd. excav. $1. Total $47,878. Grand total $661,672. Noted May 28, July 2 and 16.

W. Va., Clarksburg — Harrison Co., oil macadam on Telford paving 1½ mi. Meadowbrook-McCandlish Rd., 18 ft., to P. S. Hornor & Co., Clarksburg, $25,000; grading and draining 4½ mi. West Milford-Lost Creek Rd., to Fuccy Bros., Weston, $25,670; oil macadam surfacing 1½ mi. Peoria-Wyatt Rd., to Ferguson Bros., Shinnston, $33,957. Grand total $84,627.

W. Va., Cox Mills—Gilmar Co. grading main road from DeKalb Dist. to Sand Fork to E. C. Price & Co., Huntington, $120,666.

South Carolina—State Hy. Dept., Columbia, **(S.R. means State Route, F.A.P. Federal Aid Project and S.P. State Project)** surfacing 3.26 mi. S.R. 7, F.A.P. 235-A, Chester Co. to A. S. Barron, York, $3,678, sand clay surfacing 11.76 mi. S.R., 45, S.P. S-588-A, Orangeburg Co., to Newell Contg. Co. Greenville, $50,665; 100 ft., creosoted timber bridge over Seaboard Airline Ry., on S.R. 9, F.A.P. 68-A, Chester Co., to Palmer Constr. Co., Florence, $3,978; earth approaches to Chinquapin Creek bridge on S.R. 391, S.P. S-520-C, Aiken-Lexington Counties, to Ago Constr. Co., Winston-Salem, N. C., $1,690, also approaches to Scape Ore Swamp Bridge on S.R. 42, F.A.P. 238, Lee Co., to Hubbard & McCown, Florence, $1,678. Grand total $61,689. Noted July 23.

Miss., Indianola—Short Bayou D.D., Sunflower Co., 102 acres clearing and grubbing invol. 260,000 cu.yd. excav. to A. J. Harty & Co., Greenville, at $0.1194, per cu.yd. Total $31,044.

Miss., Meridian—Bd. Supervs. Lauderdale Co. improving 9.306 mi. Federal Aid Project 63-A, 9.27 acres clearing and grubbing, 48,900 cu.yd. excav., 4,310 cu.yd. borrow, 630 ft. 18 in. culvert pipe, 216.52 yd. concrete, 19,414 cu.yd. gravel, 1 mi. haul, 452,435 units gravel ½ mi. overhaul, etc. to Greenwald Constr. Co., Meridian, $99,991. Noted July 9.

Tennessee—Dept. State Hy. and Pub. Wks., Nashville, plans grading, structures, and bridging, etc., 12 mi. road Cleveland to Charleston, Bradley Co., 7 mi. road Ernestville to Cades Cove, Unicoi Co., 4 mi. road from Clarksville to Lone Oak, Montgomery Co. J. G. Creveling, Comr., Nashville.

Ohio—Dept. Highways & Pub. Wks., Columbus, to Stewart & Keiner, Moxahala, grading, bridging and paving 0.032 mi. Sect. B, and 0.68 mi. Sect. Buchtel, Nelson-Murray-Straitville Rd., Athens Co., waterbound macadam, $8,544, and $18,504 respectively; to F. H. Beckler, Athens, grading, 1.332 mi. Sect. M-2 Athens-Pomeroy Rd., Athens Co., $41,381, furnishing brick, $5,080; to Blair and Kelly, West Milton, 2.75 mi. Sect. F, Hamilton-Cleves Rd., Butler Co., furnishing gravel $2,767, 4.35 mi. Sect. A, Oxford-Millville Rd., Butler Co., furnishing gravel, $5,465; to W. H. Ringwald, Chillicothe, 3.775 mi. Sect. A, Columbus-Cincinnati Rd., Clark Co., oil macadam, $108,329, 0.848 mi. Sect. South Charleston, Columbus-Cincinnati Rd., Clark Co., rein.-con. and Hillside brick, $23,190, furnishing brick, $746; to Brewer & Brewer, Chillicothe, 0.9539 mi. Sect. Clarksville, Cincinnati-Zanesville Rd., Clinton Co., furnishing brick, $12,269, 0.0529 mi. Sect. Clarksville, Cincinnati-Zanesville, Clinton Co., brick, $28,228, Sect. Canal Winchester, Columbus-Lancaster Rd., Franklin Co., brick, $8,622, furnishing brick, $3,599, 4.087 mi. Sect. V, Portsmouth-Columbus Rd., Ross Co., brick, $104,081; to W. L. Johnson Co., Hicksville, 2 mi. Sect. A-1, Bryan-Ft. Wayne Rd., Defiance Co., concrete $54,804, 3.389 mi. Sect. B, Bryan-Ft. Wayne Rd., Defiance Co., concrete $98,724; to D. W. Botkin, Columbus, 3.487 mi. Sect. C, Columbus-Mallersburg Rd., Franklin Co., asphalt macadam, $90,885; to A. K. Grandle, Leesburg, 2.857 mi. Sect. M, and 8.447 mi. Sects. S and R, Dayton-Chillicothe Rd., Greene Co., waterbound macadam, $12,422 and $36,252 respectively; to Erman & Seible, Defiance, 1.0385 mi. Sect. B, and 0.493 mi. Sect. Deshler, Deshler-Findlay Rd., Henry Co., rein.-con., $34,543 and $11,653 respectively, 0.871 mi. Sect. G, Ottawa-Grand Rapids Rd., Henry Co., $24,693; to A. Langendefer, Toledo, 1.157 mi. Sect. C-1, Defiance-Napoleon Rd., Henry Co., Kentucky rock asphlat, $32,097, 0.98 mi. Sect. Napoleon, Defiance-Napoleon Rd., Henry Co., concrete, $28,042; to Creager Bros., Liberty Center, 1.72 mi. Sect. B-1, Holgate-Miller City Rd., Henry Co., asphalt macadam, $38,866; to A. J. Baltes, Norwalk, 2.438 mi. Sects. J and Plymouth, Plymouth-Norwalk Rd., Huron Co., rein.-con., $61,863; to Elyria Constr. Co., 220 Elyria Bldg., Elyria, $0.613 mi. Sect. Wellington North, Ashland-Oberlin Rd., Lorain Co., sheet asphalt, $25,107; to Independent Constr. Co., Lorain, 3.119 mi. Sct. T-1, Medina-Elyria Rd., Lorain Co., concrete, $76,285; to McKechnie-Pierce Co., Toledo, 6.056 mi. Sects. A, B, C and Sylvania, Toledo-Lansing Rd., Lucas Co., asphalt macadam, $96,584; to Reedy Bros., Warren, 2.51 mi. Sect. B and 1.72 mi. Sect. I, Youngstown-Pittsburgh Rd., Mahoning Co., concrete curbing, $20,370 and $14,619 respectively; to E. E. Miller, Canfield, 2.537 mi. Sect. W, Canfield-Poland, Mahoning Co., tar macadam, $42,730; to L. L. Clymer, Bluffton, 2.83 mi. Sect. H, Marion-Marysville Rd., Marion Co., Kentucky rock asphalt, $64,518, 3.503 mi. Sect. K, Fostoria-Carey Rd., Seneca Co., asphalt macadam $71,952; to Neff & Rader, Circleville, 3.503 mi. Sect. H, Cincinnati-Zanesville Rd., Pickway Co., asphalt macadam, $91,541; to Welfare Dept. of Ohio, Sect. Lexington East, Mansfield-Mt. Gilead Rd., Richland Co., furnishing brick, $3,075, Sect. V, Portsmouth-Columbus Rd., Ross Co., furnishing brick, $36,199; to Rusk and Rusk, Mansfield, 0.339 mi. Sect. Lexington East, Mansfield-Mt. Gilead Rd., Richland Co., brick, $11,908; to W. C. Brown, Chillicothe, 1 mi. Sect. P-1, Chillicothe-McArthur Rd., Ross Co., concrete $29,013; to Lee Bros. & Petticord, Clyde, 2.954 mi. Sect. I, Tiffin-Bellevue Rd., Seneca Co., asphalt macadam, $60,816; to Studebaker & Son, Canton, 3.1 mi. Sect. C, Canton-Alliance Rd., Stark Co., $106,821, furnishing brick, $29,588; to Wise Bros., Canton, 0.66 mi. Sect. G, Canton-Massillon Rd., Stark Co., brick, $21,906, furnishing brick, $6,805; to McArthur Constr. Co., Kenton, 2.716 mi. Sects. A and C, Akron-Medina Rd., Summit Co., rein.-con., $77,723, concrete $28,431; to McDermott Co., Niles, 2.05 mi. Sect. M, N-1, Chagrin Falls-Greenville Rd., Trumbull Co., asphalt macadam, $75,830; to Launder & Son, Toledo, 0.785 mi. Sect. Perrysburg, Perrysburg-Holland Rd., Wood Co., concrete, $22,693; to R. S. Wright, Newark, 3.325 mi. Sect. J, Athens-McArthur Rd., Athens Co., drainage structures, $25,3[illegible], to Stringer & Stringer, Wheeling, West Va., 2.75 mi. Sect. A, Barnesville-Bellaire Rd., Belmont Co., $23,079; to Barlow & Son, Logan, 0.367 mi. Sect. B-2, Logan-McArthur Rd., Hocking Co., $12,092; to Reimmund & Bauer, Holgate, 6.51 mi. Sects. K and M, Marietta-Athens Rd., Washington Co., $68,554. Grand total $2,039,275. Noted July 23.

O., Cincinnati — Director Pub. Service, improving 8th St., 8,950 sq.yd. granite block and 1,759 cu.yd. concrete, etc., to Byrnes & Conway Co., Hazen Bldg., $80,379, granite block paving, etc., 7,000 sq.yd. Carr St., to Foley Constr. Co., Boudinot Ave. $81,280. Noted Aug. 6.

O., Cincinnati — Hamilton Co., grading and concrete paving 7,100 sq.yd. Cincinnati-Zanesville Rd., to J. L. Radabaugh, Montgomery Park, Montgomery. $18,295. Engrs. est. $25,000. Noted Aug. 6.

O., Sebring — City, brick paving West Oregon Ave., and resurfacing 15th St., to G. B. Herring & Son Co., Mansfield, $29,948 and $25,653 respectively.

Michigan—State Hy. Dept., Lansing, concrete paving 2.286 mi. Trunk Line Rd. 13-10 Sec. C, St. Joseph Co. and 2.257 mi. Federal Aid 203, Sect. A to H. C. Nelson, Muskegon, $57,724 and $49,625, respectively. Noted Aug. 6.

Michigan—State Hy. Dept., at office Comrs. Huron Co., Bad Axe, concrete paving 1.248 mi. Trunk Line Rd. 31-16, to Murray & Fremont, Bad Axe, $34,899; 0.948 mi. Trunk Line Rd. 31-15 to R. Miller & Co., Bay City, $25,652. Noted July 16.

Illinois—State Dept. Pub. Wks., Hy. Div., Springfield, C. R. Miller, dir., paving State Project 36, Sects. 3 and 4, Hancock Co., to Cameron, Joyce & Co., Keokuk, Ia., $103,396 and $93,259 respectively.

Ill., Galesburg—H. M. Roy, Court House, supt. Highways and S. A. Road Com., furnishing, heating and spreading 600,000 gal. road oil on 260 mi. various roads, Knox Co., to Monarch Asphalt & Road Oil Co., 1019 Peoria Life Bldg., Peoria at $0.0569 and $0.059 per gal. Noted July 16.

Ill., Marengo—Bd. Local Impvts., City Hall, concrete paving 11,100 sq.yd. and 1,300 ft. 10 in. vitr. tile sewers in various streets, to Illinois Hydraulic Stone Constr. Co., Elgin, $37,612. Noted July 23.

Ill., Mount Vernon—For 5,000 sq.yd. 3 in. brick on concrete and 19,000 sq.yd. concree paving, combination curbing and guttering in Dist. 31, to Midwest Eng. Co., Mount Vernon, $29,787, Dist. 34, to Sager & Vinyard, Benton, $48,871.

Ill., Palestine—Grading, curbing and concrete paving, etc., various streets, to Milburn Bros., Rockford, $228,590. Engrs. est. $250,000.

Wis., Fond du Lac—G. Trevelen, highway comr., Fond du Lac Co., to R. Foll, Deerfield, gravel surfacing Brandon-Fairwater Rd., $8,064, to J. Zielke, Oakfield, gravel surfacing Eldorado-Ragersville Rd., $7,068, County Trunk N, $8,850 and Brandon-Kohls Corners Rd., $15,480. Grand total $39,442. Noted July 23.

Ia., Carroll—Carroll Co., grading 11 mi. various roads to Finley Constr. Co., Nebraska City., Neb., 14,300 sq.yd. graveling to Kaiser Gravel Co., Pocahontas.

Ia., Chariton—Lucas Co. improving 4.529 mi. Federal Aid Project 223, invol. 200 yd. approach, excav., 1,800 yd. channel excav., 1,000 yd. loose rock, etc., to J. C. Parquette, 314 Southeast 5th St., Des Moines.

Ia., Marshalltown—Marshall Co., improving 10.72 mi. Secondary Rd. 1 and 9, incl. 24,068 yd. grading to W. J. Bennethum, Bayard, $0.24 per cu.yd., graveling to Moore & Eldrige, Clemons, $16,208, rein.-con. culverts to Ingersol Stoufer Eng. Co., Marshalltown, $2,125.

Ia., Primghar—O'Brien Co. 15.5 mi. gravel surfacing Primary Road Project 10 to Linnan Constr. Co., Pocahontas, $24,275.

Kan., Erie—Neosho Co. modified Topeka on concrete paving 1.5 mi. road west of Chanute to Fry Bros. Constr. Co., Iola, $32,732.

Kan., Kansas City—Wyandotte Co., rock asphalt on concrete paving 1.32 mi. Ridgeview Rd., to Roudebust & Roberts Bros., 6th and Northwestern Aves., $61,665.

Nebraska — State Hy. Dept., Lincoln—, improving 4.5 mi. D. L. Dhyra Gretna-Douglas Rd., Sarpy Co., grading, to G. Condon Co., 511 Farnam Bldg., Omaha, $11,205, graveling, to Yant Constr. Co., 905 Omaha Natl. Bank, Omaha, $7,844, culverts to Metz Constr. Co., Springfields, $6,015,

Streets and Roads (Continued)

and bridge, etc., to Monarch Engr. Co., Falls City, $6,425. Grand total $31,489.

South Dakota—State Hy. Comn., Pierre, will pave 2 mi. Federal Aid Project 12, Minnehaha Co., 18 in. concrete, by day labor.

Ark., Little Rock—Grading, curbing and 6 in. concrete paving various streets in Paving Dist. 413, to Grady-Garms, 429 Southern Trust Bldg., Little Rock, $23,241.

Tex., Cameron—Milan Co. grading and gravel surfacing 5 mi. State Highway 6, to Thomas & Ratliff, Rogers, $29,184. Engrs. est. $30,000.

Tex., San Benito—Paving 6 blocks various city streets to Dodd & Wedegartner, San Benito, approximately $35,000.

Okla., Holdenville—Grading and concrete surfacing 9,200 sq.yd. South Echo St., 28 ft., to Dougherty-Nichols-Wiggins Co., Muskogee, $27,854. Noted June 11.

Buildings—Industrial

PROPOSED WORK

Pa., Phila.—BOILER HOUSE—Blumenthal Bros., Margaret and Bermuda Sts., having revised plans prepared by Ballinger Co., 12th and Chestnut Sts., 1 water tube boiler house, 500 hp. coal stoker and power piping, etc., Margaret and James Sts. Former bids rejected. Noted June 25.

Pa., Phila.—PLANT—General Electric Co., Witherspoon Bldg., plans unit 10 of plant, 68th and Elmwood Sts. Harris & Richards, Drexel Bldg., archts.

Ga., Savannah—POWER PLANT—Savannah Electric Power Co., 27 Bay St., plans increasing capacity of main steam plant, etc. $400,000.

Tenn., Jackson—LIGHT PLANT—Voted $60,000 bonds for extensions to municipal light plant.

Tenn., Memphis—LAUNDRY—Memphis Steam Laundry, North Second St., had plans prepared by E. L. Harrison, Fidelity Bldg., 2 story and basement, brick, Jefferson Ave. $350,000. Noted July 2.

O., Cleveland—FACTORY—S. Weinberg, c/o M. Weis, archt., 617 Union Bldg., having plans prepared 1 story, 118 x 139 ft., brick and steel, East 14th St. and St. Clair Ave. $75,000.

O., Youngstown — FOUNDRY — Youngstown Fdry. & Mchry. Co., 365 East Boardman St., had plans prepared, 1 story, 120 x 250 ft. brick and structural steel, Poland Ave. $200,000. Private plans. Noted July 23.

Ill., Jacksonville—POWER PLANT and GYMNASIUM—Illinois College having preliminary plans prepared by H. Shaw, 104 South Michigan St., Chicago, 1 story and basement, rein.-con. and brick power plant and gymnasium. $300,000.

Wis., Green Bay—STEAM and POWER PLANT—North America Power Co., Public Serv. Bldg., Milwaukee, having preliminary plans prepared by F. Luber, c/o owner, 2 story, brick, steel and concrete, plain foundation, on Fox River. $2,000,000. J. Anreson, c/o owner, engr.

Wis., Ladysmith — CREAMERY—Ladysmith Milk Producers' Co-operative Assn., E. L. Jay, pres., plans 2 story brick and concrete, plain foundation, here. $40,000. Architect and engineer not selected.

Wis., Marathon—ICE CREAM PLANT—Meier Ice Cream Co., having plans prepared by G. A. Krasin, Central Ave., Marshfield, 2 story, 40 x 62 ft., brick and concrete, plain foundation. $40,000.

Wis., Milwaukee — PUBLIC SERVICE BUILDING—Judell & Bogner, archts., 445 Milwaukee St., take bids about Aug. 15, remodeling 2 story, structural steel, concrete etc. for Milwaukee Electric Railway & Light Co., Public Service Bldg. $150,000.

Wis., Prairie du Sac - - HYDRO-ELECTRIC POWER PLANT- -Wisconsin River Power Co., L. J. Clark, Gay Bldg., Madison, secy., plans rein.-con., brick and steel, plain foundation, on Wisconsin River, here. Engineer and architect not selected.

Kan., Kansas City—Municipal Water and Light Dept., having plans prepared by A. L. Mullergren, Gates Building, Kansas City, Mo., for complete boiler plant. $700,000.

Mo., Kansas City—POWER HOUSE—See "Buildings—Commercial."

Tex., Carrizo Springs — PACKING and COOLING PLANT—W. H. Shaw, Carrizo Springs, plans concrete, brick and timber cooling and packing plant. $40,000. Private plans.

Tex., Victoria—Middle West Utilities Co., Frost Bldg., San Antonio plans constructing rein.-con. brick, stone and steel, turbine and electric generating plant. $400,000. Private plans.

Que., Quebec — PAPER MILL — Angleo Canadian Pulp & Paper Co., F. W. Clarke, pres. having plans prepared by G. F. Hardy, 309 Bway., New York, four unit mill, Limoilon St. $15,000,000.

Ont., Oshawa — SUB-STATION — Hydro Electric Power Comn., 190 University Ave., Toronto, plans electric substation, here, with 3,000 kva. transformer. $50,000. F. A. Gaby, 190 University Ave., ch. engr.

BIDS DESIRED

Mass., Chelsea—PLANT—Gordan & Gerber, 20 Sumner St., taking bids 1 story, 60 x 150 ft., timber addition, Spruce St., $40,000. S. S. Eisenberg, 46 Cornhill Ave., Boston, archt.

Mass., Somerville (Boston P. O.)—REPAIR AND SERVICE GARAGE—I. S. Stone, 53 State St., Boston, taking bids 1 story, rein.-con. and brick, Magoun Sq. $40,000. F. A. Norcross, 46 Cornhill St., Boston, archt. Noted Aug. 6.

Mass., Watertown — FACTORY—F. C. Hersee Co., 22 Parkman St., Brighton, will build 1 story, 15,000 ft. floor space, brick and timber, Galen St. $60,000. Work will be done by separate contract. Noted Feb. 26.

O., Dayton—FREIGHT HOUSE—Cleveland, Cincinnati, Chicago & St. Louis Ry., Union Central Bldg., Cincinnati, taking bids 1 and 2 story, 60 x 240 ft., rein.-con., and brick freight house, Monument St. $250,000. Private plans.

Mich., Iron Mountain—GAS PLANT—Iron Mountain Gas Co., W. Clausen taking bids 2 story, brick, concrete and steel gas plant. $125,000. Private plans.

Ill., Chicago—FACTORY—Aug. 25, by D. S. Klafter, archt., 64 West Randolph St., 4 story and basement, 50 x 116 ft., brick and timber, 2127 South Racine Ave., for International Furniture Co., 2127 South Racine Ave. $100,000.

CONTRACTS AWARDED

Mass., Lowell—REPAIR AND SERVICE GARAGE—T. E. Parker, 142 Chestnut St., 2 story, rein.-con. repair and service garage, East Merrimac St., to D. H. Walker, 17 Thorndike St., Archts. est. $50,000.

Mass., Webster—SHOP—S. Slater & Sons, Inc., 2 story and basement, 52 x 103 ft., color shop, 1 story, 57 x 102 ft. aniline building, both brick, to Wales-Lines Co., 134 State St., Meriden,. Conn. Noted July 30.

Mass., Winchester—POWER HOUSE and LAUNDRY—Winchester Hospital, 1 story, brick, Valley Rd. to Holt-Fairchild Co., 7 Water St., Boston, Archts. est. $40,000. Noted June 18.

N. Y., New York — FACTORY — Alrub Realty Co., c/o R. G. Cory, 30 Church St., archt. and engr., 6 story, rein.-con., steel and brick, plain foundation, Walnut Ave. and 134th St., to White Constr. Co., 95 Madison Ave. Engrs. est. $200,000.

Pa., Connellsville—SILK MILL—Connellsville Silk Co., 3 story, 62 x 118 ft., brick and steel to J. F. Haldeman, 5941 Baum Bldg., Pittsburgh. Archts. est. $50,000. Noted July 9.

Pa., Phila. — FACTORY — H. H. King, archt., 6752 Germantown Ave., 4 story and basement, 45 x 70 ft., brick, plain foundation, Germantown Ave. and Pastorius St. to R. M. Peterson & Son, 6 Queen Lane, for J. R. Kendrick Co., Inc. Archts. est. $40,000 Noted July 16.

Pa., Wilkinburg — SUB-STATION — Duquesne Light Co., 435 6th Ave., Pittsburgh, 1½ story and basement, 37 x 50 ft., brick, steel and concrete, Pennsylvania Ave. and Swissvale St., to D. P. Robinson Co., 3777 5th Ave., Pittsburgh. Archts. est. $50,000.

O., Cleveland — ANNEALING ROOM — Chisholm Moore Co., 4556 Lakeside Ave., 1 story, 54 x 73 ft., brick and steel, to Griffin Constr. Co., 5511 Euclid Ave. Archts. est. $40,000.

Ind., Anderson—FACTORY—Natl. Tile Co., 26th and Pitt Sts., 1 story and basement, 75 x 310 ft., rein.-con. and steel, plain foundation, East 26th St., to Eshelman & Sons, 718 Jackson St. $72,000.

Mich., Detroit—FACTORY—Hupp Motor Car Corp., 3501 East Milwaukee St., rein.-con., brick and tile addition to Building 8, to Everett Winters Co., 1024 Book Bldg. Approximately $150,000.

Mich., Detroit—FACTORY—Packard Motor Car Co., East Grand Blvd., 1 story, steel, brick and concrete, shipping building, to Everett Winters Co., 1024 Book Bldg., Detroit. Approximately $100,000. Noted June 25.

Wis., Baraboo—REPAIR SHOP—W. Halbersleben, Comr. Sauk Co., 1 story, 40 x 100 ft., rein.-con., brick and steel, plain foundation, here, to H. Grof, Baraboo, $40,000. Noted July 9.

Wis., Burlington—FACTORY—Burlington Factory Advancement Assn., J. Wolf., pres., 1 story, 60 x 154 ft., brick and timber, plain foundation, here, to Luetten & Schwartz, Burlington. $40,000. Futurist Co., 308 West Erie St., Chicago, Ill., lessee.

Wis., Cedar Grove—SHOE FACTORY—Cedar Grove Shoe Mfg. Co., 2 story and basement, brick and timber addition, plain foundation, to F. Wiltgen, Cedar Grove. $40,000.

Wis., Green Bay—SHOPS—Northwest Eng. Works, Howard St., fabricating and erecting 1 story, 80 x 120 ft. and 82 x 100 ft., brick and steel addition, to L. Hansen & Sons, 527 South Ashland Ave.; structural steel, to Wisconsin Bridge & Iron Co., North Milwaukee. To exceed $40,000.

Wis., Milwaukee — SERVICE — International Harvester Co., 217 Oregon St., 1 story, 48 x 80 x 120 ft., rein.-con. and brick addition, plain concrete foundation, Reed St., to Dahlman Constr. Co., 456 Bway., $50,000. Noted July 30.

Wis., Racine — FOUNDRY — Lakeside Malleable Casting Co., 23rd and Clark Sts., general contract for 1 story, 83 x 280 ft., brick and steel, plain foundation, to Nelson & Co., Janes Block, structural steel, to Wisconsin Bridge & Iron Co., North Milwaukee. Archts. est. $40,000. Noted May 28.

Minn., Newport—PACKING PLANT—Cudahy Packing Co., 111 West Monroe St., Chicago, Ill., plans overhauling plant, here. $100,000.

Mo., Bagnell—POWER HOUSE—Missouri Hydro Electric Power Co., Land Bank Bldg., Kansas City, main power plant including six or seven 7,000 hp. turbines each operating 5,000 kw. generator; also dam 95 ft. high, forming lake 1 mi. wide and 50 mi. long to Bickel Constr. Co., 902 Pioneer Trust Bldg., Kansas City. $12,000,000. Clarke E. Jacoby, 700 Interstate Bldg., Kansas City, engr.

Calif., Fresno—SHOP—State Hy. Comn., Forum Bldg., Sacramento, maintenance shop here, to J. P. Williams, Fresno, $29,292. Engrs. est. $30,065. Noted July 23.

N. B., Grand Falls—POWER HOUSE—Electric Power Comn., St. John, brick, concrete and steel power house, sluice dam, etc., on St. John River, here, to Dominion Constr. Co., Royal Bank Bldg., Toronto, $1,546,556. Engrs. est. $3,000,000.

Buildings—Commercial

BIDS DESIRED

Me., Biddeford—NURSES HOME—Webber Hospital, E. H. Goldthwaite, chn., taking new bids 2 story and basement, brick and stone, plain foundation, Elm St., $150,000. H. S. Coombs, 11 Lisbon St., Lewiston, Me., archt. Former bids rejected. Noted July 2.

Mass., Northampton—HOSPITAL—Aug. 19, by W. A. Merrill, bus. agent, State House, 2 story and basement, brick building, Northampton State Hospital, for Commonwealth of Massachusetts, Dept. Mental Diseases. $200,000.

Mass., Wellesley — DORMITORY — Aug. 28, by Day & Klauder, archts. Franklin Bank Bldg., Pittsburg, Pa., 4 story and basement, rein.-con. brick and steel, plain foundation, for Wellesley College, here. $300,000. Noted June 22.

Mass., Worcester—OFFICE—F. W. Taylor, 438 Main St., taking bids 10 story and basement, brick, plain foundation, to exceed $150,000. Cutting, Carlton & Cutting, 44 Front St., archts.

Del., Dover—STATE HOUSE—Aug. 24 by State and Brown & Whiteside, archt., Dupont Bldg., Wilmington, 3 story and basement, 50 x 100 ft., brick addition, plain foundation. $150,000. Noted Aug. 6.

Ill., Chicago—APARTMENT—Aug. 15, by McNally & Quinn & Co., archts., 10 South La Salle St., 7 story and basement 50 x 150 ft., rein.-con., and brick, 6241 Winthrop Ave., $260,000. Owners name withheld.

Ill., Chicago—APARTMENT—Aug. 25, by A. W. Swayne, 400 North Michigan Blvd., 17 story, 150 x 150 ft., rein.-con. and terra cotta or stone, 5830-5840 Stony Island Ave. $2,000,000. P. F. Olson, 720 Cass St., engr.

Ill., Chicago—APARTMENT—Aug. 31, by D. S. Klafter, archt., 64 West Randolph St., 3 story and basement, 50 x 135 ft.,

Buildings—Commercial (Continued)

rein.-con. and brick, for M. Glasser, 4035-37 North Kenmore Ave. $250,000.

Ill., Chicago—APARTMENT—Aug. 31, by D. S. Klafter, archt., 64 West Randolph St., 6 story, 50 x 140 ft., rein.-con. and brick, for J. Glasser, 4826-28 Sheridan Rd. $750,000.

Ill., Chicago—THEATRE—Aug. 15, by J. E. O. Pridmore, archt., 38 South Dearborn St., 4 story and basement, 108 x 193 ft., rein.-con., brick and steel, Sheridan Rd. near Irving Park Blvd., for Oscher Bros., 508 South Wabash Ave., Chicago.

Ill., Chicago—THEATRE and OFFICE—G. M. Cohen, 1840 Bway., New York City, taking bids 6 story, 100 x 142 ft., rein.-con. and steel, 111 North Clark St., here. $750,000. Rebori, Wentworth, Dewey, McCormick, 332 South Michigan Ave., archts. Noted July 16.

Neb., Grand Island—TEMPLE—Aug. 25, by Masonic Building Com., 6 story and basement, rein.-con., here. $150,000. Kirschke & Baker, Grand Island, archts. Noted May 21.

Minn., St. Paul—HOTEL—See "Contracts tracts Awarded."

Ark., Lonoke—COURT HOUSE—Aug. 24, by Bd. Comrs., Lonoke Co. 3 story, 62 x 216 ft., brick, steel and concrete courthouse and jail. H. R. Burke, 307 Southern Trust Bldg., Little Rock, engr. Noted Mar. 19.

Okla., Hollis—COURT HOUSE—Aug. 17, by H. H. Smith, clk., 2 story and basement, 86 x 146 ft., rein.-con. and brick, plain foundation, Main St., for Harway Co., $150,000. Butler Co., Oil Exch. Bldg., Oklahoma City, archts.

BIDS RECEIVED

N. Y., New York—HOSPITAL—B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., Bronx General Hospital, East 167th St. and Walton Ave., general contract from Lustbader Constr. Co., 101 Park Ave., **(a)** $2,142,000, **(b)** $2,156,000, plumbing, etc., from P. F. Kenny Sons, 33 Old Bway., **(a)** $261,800, **(b)** $258,800, heating and ventilation, etc., from Baker Smith Co., 576 Greenwich St., $385,700, electrical work, etc., from General Electric Insp. Co., 237 Fulton St., $53,962. Noted July 23.

Ia., Des Moines—TEMPLE—J. J. Jones, recdr., Sa Ga Sig Lodge A.A.O.N.M.S., c/o S. H. Harlen, 702 South 6th St. and Sawyer & Watrous, archts., 401 Hippee Bldg., Aug. 3, 3 story and basement, steel, rein.-con., brick and stone, from J. & W. A. Elliott Co., 906 Liberty Exch., Minneapolis, Minn. $678,445. Noted July 30.

Tex., Wichita Falls—HOSPITAL—State Bd. Control, Austin, 2 story, 107x187 ft., rein.-con. and brick, ward buildings here for Northwestern Texas Hospital of Insane, from R. H. Brown, McKinney, $198,000. Noted June 11.

CONTRACTS AWARDED

Mass., Medford (Boston P. O.)—STORE and OFFICE—Shikes & Long, 18 Tremont St., Boston, 2 story and basement, 75 x 135 ft. and 30 x 40 ft. brick and stone, Medford Sq., to Browne & Fay, Salem St., here. Archts. est. $175,000. Noted Apr. 30.

Mass., Quincy (Boston P. O.)—APARTMENT—Clar, Beatty & Gallagher, archts., 13 Temple St., 5 story and basement, 45 x 70 x 95 ft., brick and steel, Fenno St., to Curtis & Swift Inc., 38 Kilby St., Boston. Archts. est. to exceed $150,000. Owner's name withheld. Noted July 23.

Mass., Rosindale (Boston Sta.) — THEATRE — Rosindale Rialto Theatre, Rosindale Sq., 1 and 2 story, brick, Washington and South Sts., to Morgan Dyer, 57 Cornhill St. Archts. est. $150,000. Noted July 16.

Conn., Hartford—OFFICE and STORE—Ratner Constr. Co. will build 2 story and basement, 90 x 112 ft., brick and steel, Village and Pleasant Sts. $150,000. By day labor. J. Weinstein, Chapel St., archt.

N. Y., New York—APARTMENT—P. H. Constr. Co., c/o C. Kreymborg & Son, archts. and engrs., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Tiebout Ave. by day labor. $180,000.

N. Y., New York—APARTMENT—S. F. Constr. Co., c/o Springsteen & Goldhammer, archts. and engrs., 31 Union Sq. will build 5 story, brick, steel and stone, plain foundation, Nelson Ave. $150,000.

N. Y., New York—APARTMENT—Ninto Building Corp., c/o J. M. Felson, 250 West 57th St., archt., will build 15 story, 89 x 100 ft., brick, steel and stone, plain foundation, 2490 Broadway, by day labor $1,500,000

N. Y., New York—LOFT—E. C. Rowe, Inc., 39 Wall St., 6 story, 75 x 180 ft., rein.-con., brick and steel, plain foundation, 44 West St., to Barney Ahlers Corp., 110 West 40th St. Engrs. est. $300,000.

N. Y, New York—OFFICE—Eastern Office, Inc, 347 Madison Ave., 30 story, 250 x 275 ft., brick, stone and steel, plain foundation, twin office buildings, Lexington Ave., Depew Pl., 43rd and 44th Sts., to Todd, Robertson & Todd Eng. Corp., 347 Madison Ave. Engr. est. $29,000,000.

N. Y., New York — WAREHOUSE — Vacuum Oil Co., 61 Broadway, rein.-con., brick and steel, concrete pile foundation, East 10th St. and East River, to Turner Constr. Co., 244 Madison Ave. Engrs. est. $175,000.

Pa., Jenkintown — APARTMENT — Greenwood Realty Co., Greenwood and Florence Sts., 7 story and basement, 64 x 141 ft., brick and steel, plain foundation, to Gill Constr. Co., City Centre Bldg. Archts. est. $400,000.

Pa., Mt. Lebanon — HOME — Hamilton Home for the Aged, 3 story and basement, to Golden & Crick, 3512 5th Ave., Pittsburgh. Archts. est. $150,000. Noted July 30.

Pa., Pittsburgh—APARTMENT—J. M. Donn, 1219 Connecticut Ave., Wash., D. C., 9 story and basement, 111 x 205 ft., brick and stone, Ellsworth Ave., here to Boyle Robertson Constr. Co., 16th and Harvard Sts., N.W. Archts. est. $1,000,000. Noted July 9.

Pa., Pittsburgh—WAREHOUSE—H. J. Heinz Co., North Side, warehouse, River Ave., to Hughes Foulkrod Co., 7th Ave., archts est. $150,000.

Pa., Washington—HOSPITAL—Washington Hospital Assn., A. Donnan, chn., building Comn., 4 story, 72 x 225 ft., brick and concrete, to Huffer Constr. Co., 128 Western Ave., Fond du Lac, Wis. Archts. est. $650,000.

O., Cleveland—COMMERCIAL and APARTMENT—A. Greenwald, and S. H. Stecker, Society for Savings Bldg., 3 story and basement, 60 x 146 ft., brick and timber, West 116th St. and Clifton Blvd. to A. Krinsky, 9805 Adams St. Archts. est. $200,000.

O., Columbus—DEPARTMENT STORE—F. & R. Lazarus, S. Lazarus, pres., 161 South High St., 7 story and basement, brick, steel and concrete addition, Front and Chapel Sts., to R. H. Evans Co., Ferris Bldg. Archts. est. $700,000. Noted Aug. 6.

Ill., Chicago — APARTMENT — Seneca Building Corp, 616-310 South Michigan Blvd., 15 story and basement, 110 x 200 ft., rein.-con. and brick, Chestnut and Seneca St., to Paschen Bros., 111 West Washington St., $3,000,000.

Minn., St. Paul—HOTEL—R. E. Kimball, 205 Exch. Bank Bldg., will build 4 story and basement, 68 x 109 ft., brick hotel, 545 North Snelling Ave., by day labor. $175,000. R. G. Zelzer, c/o owner, archt.

Kan., Hutchinson—ADMINISTRATION—State will build 2 story and basement, fireproof, administration building, here, by day labor. $150,000. C. D. Cuthbert, Topeka, archt.

S. D., Sioux Falls—THEATRE—Finkelstein & Ruben, 425 Loeb Arcade, Minneapolis, Minn., 2 story and basement, 72 x 150 ft., rein.-con., brick, tile and stone, general contract to H. Carlson, Sioux Falls, $250,000. Noted April 30.

Tex., El Paso—HOTEL—C. A. and A. C. DeGroff, 11 story and basement, 120 x 130 ft., rein.-con., brick and stone, plain foundation, Mill St. and Mesa Ave., to Ramey Bros., 901 Mills Bldg. $950,000 approximately. Archts. est. $1,000,000. Noted July 30.

Tex., Greenville — HOTEL — Greenville Hotel & Investment Co., c/o J. L. Collins, pres., 7 story and basement, 80 x 100 ft. rein.-con and brick, Washington & St. John Sts. to Shepherd Bros. & Co., $375,000 approximately. Archts. est. $400,000. Noted Jan. 8.

Okla., Tecumseh—COURT HOUSE—A. C. Davis & Son, archts., Shawnee, 3 story and basement, 80 x 110 ft. court house, and 41 x 60 ft. jail on top, rein.-con. brick and stone, to Cowan Bros., Shawnee, for Pottawatomie Co. Court.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Dorcester (Boston P. O.)—SCHOOL—St. William's Roman Catholic Church, D. J. Murphy, pastor, Dorchester Ave. having sketches made by T. E. Sheehan, 120 Boylston St., Boston, 2 story and basement, brick and stone, Savin Hill Ave., Tuttle & Sydney Sts. here. $150,000.

Mass., Gardner — CHURCH — Methodist Episcopal Church, C. Clark, pastor, having preliminary plans prepared by Lamb & Swift, 142 Lunenburg St., Fitzburg, 1 story and basement, brick and stone, Chestnut St., $150,000.

Mass., Hamilton — CHURCH — Christ Church having sketches made by Smith & Walker, 1 story and basement, brick, stone and granite, $150,000.

Mass., Hawthorne—SCHOOL — Trustees of Essex Co. Agricultural School, Court House, Salem, having revised plans prepared by Sanborn & Weed, 58 Exchange St., Lynn, 2 story and basement, 56 x 72 ft., with 43 x 43 ft. wing, brick and stone, $150,000. Former bids rejected. Noted July 16.

Pa., Brownsville—HIGH SCHOOL—J. H. Harman, archts., Fayette Title & Trust Bldg., Uniontown, takes bids about Aug. 16, 2 story and basement, 78 x 124 ft., brick and steel for Bd. Educ. $150,000. Noted July 23.

Miss., Laurel — HIGH SCHOOL — City voted $225,000 bonds for new junior high school and repairs to existing structures.

O., Delaware—PHYSICS, RECITATION, etc.—Ohio Wesleyan University, J. W. Hoffman, pres., plans physics building, $200,000, recitation $150,000, arts and treasure $100,000, education $100,000, and oratory, $100,000. Engineer and architect not selected.

Ind., Anderson—SCHOOL—City School Bd. having plans prepared by E. R. Watkins, 2 story and basement, 150 x 175 ft., brick., 13th and Pearl Sts. $150,000.

Mich., Baraga—SCHOOL—Bd. Educ. having plans prepared by F. E. and G. F. Parmelee, archts., Iron Mountain, 2 story and basement, brick and tile grade and high school. $150,000.

Mich., Detroit—SCHOOL—Bd. Educ., c/o J. D. Chubb, 109 North Dearborn St., Chicago, archt., takes bids about Aug. 15, 3 story and basement, 200 x 250 ft., rein.-con. and brick school. $375,000. Noted Mar. 19.

Ill., Glencoe—ELEMENTARY SCHOOL—Bd. Educ. having plans prepared by F. C. Warner and W. R. McCormack, Bulkley Bldg., Cleveland, Ohio, 2 story and basement, brick, steel and concrete. $200,000.

Ill., Jacksonville — GYMNASIUM — See "Buildings Industrial."

Ill., Kenilworth — AUDITORIUM and ATHLETIC FIELD—New Trier Twp., c/o Bd. Educ., here, having plans prepared by F. C. Warner and W. R. McCormack, Bulkley Bldg., Cleveland, Ohio, 1 story, brick, steel and concrete auditorium with athletic field. $150,000.

Wis., Madison—REFECTORY—University of Wisconsin, M. McCaffrey, secy., having plans prepared by A. Peabody, State Capitol, rein.-con., brick and steel, plain foundation. $150,000.

Wis., Racine—SCHOOL—St. Edwards Congregation, J. Bott, 1330 Grove Ave., pastor, had plans prepared by J. M. Matson, Baker Block, and soon takes bids 2 story and basement, 70 x 127 ft., brick and concrete, plain foundation. $150,000.

Kan., Hays — LIBRARY—State Bldg. Comn., Topeka, T. J. O'Neil, mgr. takes bids about Sept. 1, 3 story, 100 x 150 ft. rein.-con. stone library for State Teachers College, here. $150,000. C. D. Cuthbert, 735 Kansas St., Topeka, archt.

S. D., Brookings—SCHOOL—Northern Normal & Industrial School, H. W. Foght, pres., plans 3 story and basement, rein.-con. brick and stone, $200,000. Engineer and architect not selected.

Mo., St. Louis—SCHOOLS—Bd. Educ., 911 Locust St., having preliminary plans prepared by R. M. Milligan, comr., 911 Locust St., school for deaf children, Grand and Henriette Sts., $200,000, Lowell Grade School, College and Von Phul Sts., $250,000 and Canterbury Grade School, Canterbury and Ellendale Sts., $250,000, all brick, concrete and stone.

Tex., Nacogdoches—LIBRARY—S. F. Austin, State Teachers' College, Bd. Regents, c/o secy. having plans prepared by W. E. Ketchum, archt. Pope Bldg., Austin, 3 story, 68 x 200 ft. brick and stone, $200,000.

Okla., Wewoka—HIGH SCHOOL—Defeated election July 30 $150,000 bonds for new high school for Bd. Educ.

Ont., Kingston—SCHOOL—Bd. Educ., having plans prepared by C. Drever, 81 Brock St., 2 story and basement, 8 or 10 story, rein.-con. and brick, plain foundation. Victoria St. $150,000.

Ont., Toronto—CHURCH—Holy Rosary Roman Catholic Church, St. Clair and Kendal Aves. having plans prepared by A. W. Holmes, 79 St. Joseph St., 1 story and basement, brick, stone and concrete, St. Clair Ave. $160,000. Noted Apr. 23.

Buildings—Educational, Religious (Cont.)

BIDS DESIRED

Mass., Worcester—SCHOOL—City, Pub. Bldg., Dept. City Hall, taking bids, 2 story and basement, brick and steel, Ward St., $150,000. E. P. Fitzgerald, 340 Main St., archt. Noted June 16.

Conn., New Britain — SCHOOL — School Bd., J. M. Halloran, taking bids, 2 story and basement, brick and steel, Steele St., $150,000. W. P. Brabtree, 279 Main St., archt.

Conn., New Haven — CHURCH — St. Anne's Roman Catholic Church, V. J. Camareta, chn., 77 Gorham St., Hamden, taking bids, 1 story and basement, 45 x 115 ft., brick and steel, Arch & Dixwell Aves., $150,000. F. Rubino, 593 Howard Ave., archt. Noted July 30.

Conn., North Haven—SCHOOL—Sept. 1, by School Bd., City Hall, 2 story and basement, 60 x 112 ft., brick and steel, $150,000. Brown & Von Beren, 185 Church St., New Haven, archts.

Conn., West Haven—HIGH SCHOOL—School Bd. taking bids 2 story and basement, 120 x 240 ft., brick and steel, Main St., $350,000. R. W. Foote, 185 Church St., archt. Noted July 30.

Pa., Williamsport — HIGH SCHOOL—Aug. 31 by H. A. Sterner, secy., Williamsport School Dist., 229 West 3d St., 2 story and basement, 172 x 260 ft., brick and steel, 7th Ave. $300,000. Guilbert & Betelle, 20 Branford Place, Newark, N. J. archts. Noted June 18.

O., Cleveland Heights (Warrensville P. O.)—HIGH SCHOOL—Aug. 24 by Bd. Educ., C. B. Roche, clk., 1781 Lee Rd., 2 story and basement, brick, steel and concrete, addition, Roxboro St. $450,000. J. H. Graham & Co., 1612 Euclid Ave., Cleveland.

O., Dayton—SCHOOL—Aug. 31 by Bd. Educ., C. S. Schmidt, secy., Ludlow Bldg., 2 story, rein.-con., and brick, plain foundatio, Troy and Leo Sts., $500,000. Architectural Dept. Bd. of Education, archts. Noted May 14.

O., South Euclid—HIGH SCHOOL—Aug. 31 by Bd. Educ., P. Prasse, clk., 2 story, brick, steel and concrete, $400,000. A. M. Allen & Co., 7016 Euclid Ave., Cleveland, archts.

S. D., Spearfish—SCHOOL—Sept. 3, by Regents of Educ., H. Gamble, secy., Pierre, 3 story and basement, rein.-con., brick, tile and stone, State Normal School, $275,000. J. Berg, Pierre, State engr., and G. F. Fossum, Aberdeen, archt. Noted March 12.

Ark., Hot Springs—HIGH SCHOOL—Aug. 29, by U. McKenzie, supt. Bd. Hot Springs Special School Dist., No. 6, 3 story, 134 x 138 ft., rein.-con., brick and stone, junior high school, Oak and Olive Sts. Mann & Stern, 708 A. O. U. W. Bldg., Little Rock, archt. Noted May 21.

Ont., Toronto—SCHOOL—Aug. 14, by W. W. Pearse, 155 College St., 2 story and basement, 8 room, school for Bd. of Educ. C. Dyson, 155 College St., archt.

BIDS RECEIVED

Minn., Minneapolis — SCHOOLS — Bd. Educ., G. F. Womrath, 305 City Hall, supt., two schools, 3 story and basement, rein.-con., brick and tile, one at 42d Ave. S. and 36th St., from Bracker Constr. Co., 752 Builders Exch., $279,688 and other at 13th Ave. S. and 24th St., from J. C. Nelson & Son, 915 North East Bway., $275,000. Noted July 23.

CONTRACTS AWARDED

Mass., Concord—CHURCH—Trinitarian Congregational Church, c/o Froham, Robb & Little, 140 Boylston St., 1 story and basement, 65 x 100 ft., brick and stone, Walden St., to D. F. & W. C. Burns, Inc., 9 Park St., Boston. Archts. est. $150,000. Noted Aug. 6.

Mass., Lawrence — SCHOOL — Sacred Heart Roman Catholic Church, A. Millet, pastor, 3 story and basement, 65 x 75 ft., brick and steel, Hawley St., to Bourque Contg. Co., 47 Beacon St. Archts. est. $150,000. Noted July 16.

Mass., Ludlow—HIGH SCHOOL—School Building Comn., 2 story and basement, brick and stone, Chestnut St., to E. J. Pinney, Inc., 374 Main St., Springfield. Archts. est. $150,000. Noted July 23.

Mass., Springfield—SCHOOL—Dept. Pub. Buildings, 2 story and basement, 100 x 120 ft. brick and steel, Seymour St. to E. J. Pinney Inc., 374 Main St. Archts. est. $150,000. Noted Mar. 12.

Mass., Swampscott — SCHOOL — School Bd. 2 story and basement, brick and limestone, addition to Hadley School, Reddington St., to A. E. Steinert, Bay State Bldg., Lawrence. Archts. est. $150,000. Noted July 16.

Mass., Weymouth (Ind. branch Boston)—SCHOOL—School Comn., 2 story and basement, brick, Bridge St., to F. J. Green, 290 Chestnut St., Lynn. Archts. est. $150,000.

Mass., Worcester — LIBRARY — Holy Cross College, J. W. Dinard, pres. 3 story and basement, 64 x 174 ft. brick and limestone, to McDermott Bros., 44 Elm St. Archts. est. $500,000. Noted July 23.

N. H., Lebanon—HIGH SCHOOL—Town, School Bd. 2 story and basement, 100 x 132 ft., brick, steel and timber, plain foundation, to W. H. Trumbull, Hanover. Archts. est. $150,000. Noted July 23.

Conn., Stamford—CHURCH—St. John's Roman Catholic Church, J. C. O'Brien, pastor, 1 story and basement, 65 x 160 ft., brick and stone, church and tower, Atlantic & Bell Sts. to M. A. Durrschmidt, 100 Main St., Derby. Archts. est. $150,000.

Pa., Erie—HIGH SCHOOL—Bd. Educ., R. S. Scobell, bus. mgr., 2 story and basement, 188 x 279 ft., brick, steel and concrete, to Yeager & Son, Danville, Ill. $479,445. Noted July 16.

Pa., Waynesburg—CHURCH—First Presbyterian Church, 2 story and basement, 40 x 70 and 50 x 100 ft., brick and steel, to E. Wehr, Highland Bldg., Pittsburgh. Archts. est. $150,000.

Md., Baltimore—PAROCHIAL SCHOOL—St. Anthony's Parochial School, 2 story and basement, 67 x 100 ft. with 54 x 58 ft. wing, to Frainie Bros. & Haigley, 19 West Franklin St., $150,000. Noted Mar. 19.

Tenn., Memphis—SCHOOL—Bd. Educ. 3 story, 180 x 250 ft. rein.-con. and brick Lauderdale St. to Hanson-Worden Constr. Co., Lyceum Bldg., $179,800. Noted Mar. 13.

Ill., Kankakee—SCHOOL—Bd. Educ., general contract for 3 story and basement, rein.-con., brick and stone school, to J. McMoroff & Son, Kankakee, $338,900; plumbing, to Ryan Plumbing Co., Danville, $24,467; heating and ventilating, to Peters-Eichler Co., 1516 Pine St., St. Louis, Mo., $67,983. Grand total $431,350. Noted July 2.

Ill., Mundelein—SEMINARY—St. Mary of Lake Seminary, J. F. Kealy, pastor, general contract 2 story and basement, 50 x 150 ft., rein.-con. brick and stone, seminary to Thompson-Starrett & Co., 104 South Michigan Ave., Chicago. Archts est. $150,000.

Ia., Waverly—SCHOOL—Bd. Educ. 3 story, 130 x 180 ft. rein.-con., brick and stone to Currie Constr. Co., Waterloo, $157,158. Noted July 9.

Okla., Okmulgee — CHURCH — St. Anthony Roman Catholic Congregation, U. D. Hasque, pastor, 1 story and basement, 58 x 160 ft., brick, tile and stucco, church, also 2 story, brick parish house, to Dennehy Constr. Co., P. O. Box 423, Henryetta, $101,000. Noted March 19.

Tex., San Antonio—DORMITORY—Westmoreland College, 726 West Waco St., 3 story and part basement, 63 x 166 ft. rein.-con. brick and steel, plain foundation, to W. C. Thraiekill, Builders Exch. Bldg., $153,000. Noted June 18.

Ont., Toronto—CHURCH—First Baptist Church, W. T. Graham, 63 Simpson Ave., rector, 1 and 2 story and basement, 80 x 100 ft., brick and stone, First and Bolton Aves. to Gatehouse Bros., 2 Wineva Ave., Engrs. est. $175,000. Noted Apr. 23.

Unclassified

PROPOSED WORK

Playground—West Roxbury (Boston P. O.), **Mass.**—Street Layingout Dept. plans playground Cornwall St. and Brookside Ave. $25,000. J. F. Sullivan, secy.

Ky., Paducah—Golf Course, Swimming Pool, Etc.—Lake View Country Club plans 290-acre golf course, 20-acre lake for swimming pool, etc. $100,000.

Swimming Pool—Childress, Tex.—Chamber of Commerce, c/o J. Deberport, secy. plans 50 x 105 ft. swimming pool, auditorium with 1,500 seating capacity, walks, etc. $60,000.

Lighting System—Mesa, Ariz.—Plans improving electric light and gas systems. $98,500. A. A. Walland, Pueblo, Colo., engr. Noted Aug. 6.

Gasoline Service Stations—Toronto, Ont.—Imperial Oil Co., Imperial Oil Bldg., plans four 1 story brick, concrete and steel gasoline service stations. $125,000. Company engr.

BIDS DESIRED

Heating, etc.—Marlborough, Mass.—Aug. 17, by Mayor's Office, heating and ventilating system in old high school, and connections and piping, in new high school. $25,000.

Heating and Ventilating—Northampton, Mass.—Aug. 19, by Dept. Mental Diseases, heating and ventilating system in New Ward Building at Northampton State Hospital. To exceed $25,000. W. A. Merrill, bus. agt. State House.

Subway—New York, N. Y.—Aug. 18, by Bd. Transportation, 49 Lafayette St., construction of Sect. 5, Route 78, under St. Nicholas Ave., from West 149th to West 160th Sts.

Stadium—Lawrence, Kan.—Aug. 22, by President Haskell Stadium Corp., two unit, rein.-con. stadium, 10,000 seating capacity, $80,000 to $150,000. Noted July 30.

BIDS RECEIVED

Park — Lawrence, Mass. — City, Council Room, City Hall, constructing Memorial Park, Dry Dock Rd. from W. J. Delaney, Box, 329 $135,182.

Beach—Coney Island (Brooklyn P. O.) **N. Y.**—J. A. Guider, pres. Brooklyn Boro, Boro Hall, improving and protection of Public Beach here from Merritt Chapman & Scott, Battery Place, New York City, $929,845. Noted July 30.

CONTRACTS AWARDED

Rip Rap—Boston, Mass.—Dept. Pub. Wks., 1,600 tons rip rap for protection to sea walls at Commonwealth Pier 5, at Northern Ave., to W. R. Farrell, 63 Long Wharf, $10,848.

Concrete Posts—Milwaukee, Wis.—Central Bd. Purchases, 569 concrete posts and brackets for Bureau of Illumination, to Westinghouse Electric & Manufacturing Co., 425 East Water St., $25,280.

Swimming Pool—Phila., Pa., Dept. Pub. Welfare, City Hall, 28 x 120 ft., bath house and 36 x 94 ft. pool, 26th and South Sts. to Conneen Constr. Co., 2315 Walnut St. $32,972. Noted Aug. 6.

Stadium—Madison, Wis.—University of Wisconsin, M. McCaffery, secy., rein.-con. and steel addition to stadium at Randall Camp, to G. Nelson, 425 Few St. Noted July 23.

Gas Pipe Line, Kansas—American Pipe Line Co., c/o Empire Co., 25 mi. of 14 in. gas pipe line in Elk Co., to Conner Constr. Co., Huntington Rd., Kansas City, Mo. $635,000, archts. est. $650,000, also 35 mi. 14 in. gas pipe line in Wilson Co., to Sheehan Pipe Line Constr. Co., Cosden Bldg., Tulsa, Okla., $861,000, archts. est. $875,000.

Stadium—Norman, Okla.—University of Oklahoma, 1 story, 246 x 490 ft., rein.-con. stadium on Campus, to Campbell & Price, Oklahoma City, $650,000 cost plus. Archts. est. $650,000.

Federal Government Work

BIDS DESIRED

Conn., Norwalk—Rip Rap Stone—Aug. 17 by Supt. Lighthouses, Staten Island, N. Y., furnishing and placing 2,800 tons rip rap stone for beacon light foundations at White Rock Reef and Round Beach, Sheffield Harbor.

D. C., Washington—Coal and Ash Handling Equipment—Aug. 26, by Bureau of Yards & Docks, Navy Dept. coal and ash handling equipment. (Spec. 5130).

Ga., Augusta—Roads—Aug. 25th by U. S. Veterans' Bureau, Washington, D. C. Concrete roads at U. S. Veterans Hospital 62.

Tex., Galveston—Barge—Sept. 5 by U. S. Engineer Office, furnishing 2,000 bbl. steel oil barge, adv. E. N.-R. Aug. 13.

Calif., San Diego—Freight Elevator—Spec. 5129—Aug. 26, by Bureau Yards and Docks, Navy Dept., Wash., D. C. electric freight elevator, here. Noted July 30.

BIDS RECEIVED

Pa., Phila.—Stone—U. S. Engineer Office, furnishing and placing stone in ice piers at Harbor of Refuge, Delaware Bay, from Triest Contg. Corp., 247 Park Ave., New York City. $120,645. Noted July 16.

Ky., Louisville—Metal Work—U. S. Engineers Office, P. O. Box 72, fixed metal work for Navigable Passes for Dams, 49 and 50, from Wright Machine Co., Owensboro, Ky., Lot C, for dam 49, $5,788, Lot D, for dam 50, $5,988, from Amer. Car & Fdry. Co., Jeffersonville, Ind., Lot A, for dam 49, $13,160, Lot B, for dam 50 $13,470, from J. & J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., Lot E for dam 50, $1,657. Noted July 23.

Ky., Louisville—Sheet Piling—U. S. Engineer Office, P. O. Box 72, steel sheet piling for Lock and Dam 50, Ohio River, from Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa. $23,336. Noted July 23.

CONTRACTS AWARDED

Fla., Lake City—Hospital—U. S. Veterans' Bureau, Room 791 Arlington Bldg., Wash. D. C. mess hall, kitchen, and garage at State Hospital 63, to D. D. Thomas & Son, P.O. Box 744, Memphis, Tenn. $112,953. Former contract canceled. Noted June 2.

Materials

CONTRACTS AWARDED

Road Oil, Etc.—Knoxville, Ill.—Knox Twp. furnishing 30,000 to 50,000 gal. road oil, to Cabell Petroleum Co., Arcade Bldg., St. Louis, Mo., at $0.0518 per gal. f.o.b. Knoxville. Noted July 9.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate: 40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Sept. 4.

Additions to the Sanitary Sewer System

Sebring, Fla.

Sealed proposals for furnishing material and constructing additions to the Sanitary Sewer System for the Town of Sebring, Florida, will be received by the Mayor and Council at the City Clerk's office until 2:00 P.M., September 4th, 1925.

The Sewer System will consist of approximately 2,400 ft. of 8" vitrified pipe, with manholes, flush tanks, and appurtenances, two sewage pumping stations, and a disposal plant consisting of sedimentation tanks, sand filters and appurtenances, together with about 1,000 ft. of 6" C.I. force main.

Each proposal must be accompanied by a certified check, payable to the Town of Sebring, Florida, to an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond in the full amount of the contract price will be required. Payments will be made on monthly estimates.

Plans and specifications are on file in the office of the City Clerk, at Sebring, Florida, and with the Office of Paul H. Norcross, Engineers, 1404 Candler Building, Atlanta, Georgia.

Bidders may obtain copies from the Engineers by enclosing certified check for twenty-five $25.00) dollars, payable to the Town of Sebring. If blue prints are desired they may be had at the cost of printing. If the plans, specifications and blue prints are returned within thirty days after opening bids, the check for twenty-five dollars will be returned.

A. E. LAWRENCE, Mayor,
A. M. WOLFE, City Clerk.

Office of
PAUL H. NORCROSS,
Consulting Engineers,
1404 Candler Building,
Atlanta, Georgia.

Bids: August 18.

Road Work

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

Baltimore, Md.

Sealed proposals for building one section of State Highway, as follows:

Kent County. Cont. K-29. One section of State highway from end of Cont. K-26 to Crosby, a distance of 1.25 miles. (Concrete).

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 18th day of August, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 4th day of August, 1925.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

OFFICIAL PROPOSALS

Bids: August 18.

Road Work

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

Baltimore, Md.

Sealed proposals for building one section of State Highway, as follows:

Cecil County. Cont. Ce-49. One section of State highway through Chesapeake City, for a distance of 0.54 mile. (Concrete).

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 18th day of August, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The succesful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 31st day of July, 1925.

L. H. STEUART, Secretary.
JOHN N. MACKALL, Chairman.

Bids: August 25.

Street Improvement

Auburn, N. Y.

Sealed proposals will be received by Hon. John P. Jaeckel, City Manager, at his office, City Hall, Auburn, N. Y., until 8:00 P.M., Tuesday, August 25, 1925, for the paving improvement of Park Avenue.

Proposals will be received for Sheet Asphalt, Asphaltic Concrete, Warrenite Bitulithic and Cement Concrete pavements, the type to be selected after proposals have been received.

The quantities will approximate 2,000 cu.yds. excavation, 3,500 ft. concrete curbing and 6,100 sq.yds. pavement, together with other work incidental to the improvement. Plans and specifications are on file in the office of the City Engineer, M. F. Dullea, Auburn, N. Y. Proposals shall be submitted upon forms provided by the City Engineer and a certified check payable to the City of Auburn for 2½% of the price bid must accompany each proposal. The City reserves the right to reject any and all bids.

JOHN P. JAECKEL,
City Manager.

Bids: Sept. 1

Road Work

Elizabeth City, N. C.

Bids desired Sept. 1 by the Pasquotank Highway Commission, Elizabeth City, N. C. S. G. Scott, Chairman, for hard surfacing Simonds Creek Road, three miles long Project No. 4. J. R. Ford, Engineer, Box 232. Plans and specifications may be seen in the office of the Pasquotank Highway Commission, Elizabeth City, N. C. Plans will be sent upon receipt of ten dollars deposit. Right reserved to reject all bids.

OFFICIAL PROPOSALS

Bids: August 18.

Hospital Building

Buffalo, N. Y.

Sealed proposals for Construction—HOSPITAL BUILDING—STATE INSTITUTE FOR THE STUDY OF MALIGNANT DISEASE, BUFFALO, N. Y., will be received by Chairman, Board of Trustees, State Institute for the Study of Malignant Disease, Buffalo, N. Y., until 2 o'clock P.M. (Eastern Standard Time), Tuesday, August 18, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money equal to 5% of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4457. The right is reserved to reject any or all bids. Drawings and specifications may be examined at State Institute for the Study of Malignant Disease, Buffalo, N. Y.; at the New York Office of the Department of Architecture, 18th Floor Flatiron Building, Broadway & 23rd Street; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y.

Dated: Aug. 7, 1925.

Bids: August 24

Waterworks Pumping Equipment

Kennett Square, Pa.

Sealed bids will be received at the Council Chamber, Kennett Square, Pa., until 7:00 P. M. (Standard Time) August 24, 1925, at which time and place they will be publicly opened and read; for furnishing and installing two centrifugal pumps and motors, for constructing 12 inch Cast Iron Force Main, and for furnishing electrical control equipment for the waterworks pumping station.

Plans, specifications and bidding blanks may be obtained from Albright & Mebus, Civil Engineers, 1502 Locust Street, Philadelphia, Pa., upon deposit of $5.00 which sum will be refunded upon the return of said plans and specifications in good condition.

Bids must be accompanied by a certified check drawn to the order of the Borough of Kennett Square, in the sum of Three Hundred Dollars ($300.00) as guaranty that the successful bidder will execute the contract as required.

Council of Kennett Square reserves the right to reeject any or all bids.

W. E. VOORHEES,
Secretary to Borough Council.

CONSTRUCTION NEWS

Engineering News-Record, Aug. 20, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Water supply, Chicago, Ill., Greater Chicago Lake Water Co., making preliminary plans to furnish water to suburban cities, $20,000,000.

Roads, Sherman, Tex., plans bond election for road construction $5,800,000.

Paving, Cleveland, O., plan bond election for 50 mi. paving, $3,000,000.

Apartment hotel, Pittsburgh, Pa., P. Miller, Inc., having plans prepared, $3,000,000.

Office, Los Angeles, Calif., Sun Realty Co., plans building, $2,500,000.

Power plant, Dille, O., Ohio Power Service Co., plans power plant, $2,000,000.

Theatre, Chicago, Ill., Balaban & Katz Corp., having preliminary plans prepared, $2,000,000.

Theatre and office, Los Angeles, Calif., Petroleum Securities Co., having plans prepared, $2,000,000.

Sewers, Seattle, Wash., City Council plans bond election for sewers, $1,653,000.

Hotel and office, Berkeley, Calif., R. O. Long Co. plans building, $1,500,000.

Bids Wanted On Big Jobs

Art Museum, Aug. 25, Philadelphia, Pa., by Comrs., $5,500,000.

Clubhouse, Sept. 7, Brooklyn, N. Y., by McKim, Mead & White, archts., $4,500,000.

Office, Sept. 1, Philadelphia, Pa., Penn. R.R. System, $2,000,000.

Apartment, Sept. 15, Chicago, Ill., by R. S. DeGoyler & Co., Archts., $1,800,000.

City hall, Sept. 1, Pasadena, Calif., city takes bids, $1,030,000.

Large Contracts Let During Week

Electric generating station, Cleveland, O., Electric Illuminating Co., to Hunkin-Conkey Constr. Co., $10,000,000.

Hospital, New York, N. Y., Comn. Dept. Pub. Welfare to separate contracts, total $2,844,000.

Hospital, Philadelphia, Pa., Dept. of Health to F. W. Mark Contg. Co., $2,683,000.

Apartment, New York, N. Y., Kingsbridge Impvt Co., by day labor, $1,300,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Aug. 21	Herrin, Ill.	Aug. 20
Aug. 24	Kennett Square, Pa.	Aug. 13
Aug. 25	St. Louis, Mo.	Aug. 6
Aug. 25	Milwaukee, Wis.	Aug. 20
Aug. 26	Raleigh, N. C.	Aug. 6
Aug. 26	Linthicum Heights, Md.	Aug. 20
Aug. 28	St. George, N. Y.	Aug. 13
Aug. 28	Brooklyn, N. Y.	Aug. 20
Aug. 29	Jackson, Ky.	Aug. 20
Aug. 31	Wheeling, W. Va.	Aug. 20
Sept. 3	St. Cloud, Fla. Adv. Aug. 20.	Aug. 20
Sept. 3	Chappaqua, N. Y. Adv. Aug. 20.	Aug. 20
Sept. 3	Newark, N. J. Adv. Aug. 20.	Aug. 20
Sept. 4	Oakland, Calif.	July 9
Sept. 8	Toronto, Ont.	Aug. 6
Sept. 10	Mundelein, Ill.	Aug. 13
Sept. 15	Needles, Calif.	July 23
Sept. 16	New York, N. Y.	Aug. 13
	SEWERS	
Aug. 24	Detroit, Mich.	Aug. 20
Aug. 24	St. George, N. Y.	Aug. 20
Aug. 24	St. Petersburg, Fla.	Aug. 20
Aug. 24	Stegar, Ill. Adv. Aug. 20.	Aug. 20
Aug. 25	Columbus, O.	Aug. 13
Aug. 25	Bradentown, Fla. Adv. Aug. 13 and 20.	Aug. 20
Aug. 25	Phila., Pa.	Aug. 20
Aug. 26	Bloomington, Ill.	Aug. 13
Aug. 26	Cleveland, O.	Aug. 20
Aug. 27	Winchester, Tenn. Adv. Aug. 6 to 20.	Aug. 6
Aug. 27	Olean, N. Y. Adv. Aug. 20.	Aug. 20
Aug. 27	Washington, D. C.	Aug. 13
Aug. 28	Louisville, Ky.	Aug. 6
Aug. 28	Brooklyn, N. Y.	Aug. 20
Aug. 29	San Angelo, Tex.	July 30
Aug. 29	St. Louis, Mo.	Aug. 13
Aug. 31	Catonsville (Branch Baltimore), Md. Adv. Aug. 13 and 20.	Aug. 13
Aug. 31	Detroit, Mich.	Aug. 20
Aug. 31	Towson, Md.	Aug. 20
Sept. 1	Los Angeles, Calif.	Aug. 20
Sept. 2	Grand Rapids, Mich. Adv. Aug. 20.	Aug. 20
Sept. 4	Rochester, Minn. Adv. Aug. 20.	Aug. 20
Sept. 4	Sebring, Fla. Adv. Aug. 13 and 20.	Aug. 13
Sept. 8	Punta Gordo, Fla. Adv. Aug. 20.	Aug. 20
Sept. 15	Libertyville, Ill.	Aug. 13

Bids Close		See Eng. News-Record
	WASTE DISPOSAL	
Sept. 8	Lakeland, Fla. Adv. Aug. 13 and 20.	Aug. 13
	BRIDGES	
Aug. 21	Buffalo, N. Y.	Aug. 13
Aug. 25	Minnesota	Aug. 6
Aug. 25	North Carolina	Aug. 20
Aug. 28	Missouri	Aug. 20
Aug. 29	San Angelo, Tex.	Aug. 6
Aug. 31	New Jersey Adv. Aug. 13 and 20.	Aug. 13
Aug. 31	Montreal, Que.	Aug. 20
Sept. 1	Tacoma, Wash.	Aug. 6
Sept. 1	South Carolina	Aug. 6
Sept. 9	Montreal, Que.	Aug. 20
Sept. 10	Louisiana	Aug. 20
	DAMS	
Oct. 12	Los Angeles, Calif.	Aug. 20
	RAILWAYS	
Aug. 27	Massachusetts	Aug. 6
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
Aug. 18	Victoria, B. C.	Aug. 20
Aug. 18	St. John, N. B.	Aug. 20
Aug. 25	Geneseo, Ill.	Aug. 6
Aug. 28	Louisiana	Aug. 20
Aug. 30	Ft. Pierce, Fla. Adv. Aug. 13 and 20.	Aug. 13
Sept. 2	New Jersey	Aug. 20
Sept. 12	Texas	July 23
	STREETS AND ROADS	
Aug. 21	Ohio	Aug. 20
Aug. 22	Cleveland, O.	Aug. 20
Aug. 24	Kentucky	July 23
Aug. 24	West Virginia	Aug. 6
Aug. 24	Philippi, W. Va.	Aug. 13
Aug. 24	Michigan	Aug. 20
Aug. 24	Junction City, Kan.	Aug. 20
Aug. 25	Auburn, N. Y.	Aug. 20
Aug. 25	New Brunswick, N. J.	Aug. 20
Aug. 25	Minnesota	Aug. 20
Aug. 25	Bartow, Fla.	Aug. 6
Aug. 25	Louisiana	Aug. 6
Aug. 25	Minnesota	Aug. 6
Aug. 25	West Virginia Adv. Aug. 13.	Aug. 13
Aug. 25	Pennsylvania Adv. Aug. 13 and 20.	Aug. 13
Aug. 25	North Carolina	Aug. 13
Aug. 25	Columbus, O.	Aug. 13
Aug. 25	Maryland Adv. Aug. 13 and 20.	Aug. 13
Aug. 25	Tampa, Fla.	Aug. 13
Aug. 25	Sleepy Eye, Minn.	Aug. 20
Aug. 25	Massillon, O.	Aug. 20
Aug. 25	Massachusetts	Aug. 20

Bids Close		See Eng. News-Record
Aug. 25	Boston, Mass.	Aug. 20
Aug. 25	Hutchinson's Mills (mail Mercerville, N. J.)	Aug. 20
Aug. 25	Louisiana	Aug. 20
Aug. 25	Gulfport, Fla.	Aug. 20
Aug. 26	Nevada	Aug. 20
Aug. 26	Louisiana	Aug. 6
Aug. 26	Newton, N. J. Adv. Aug. 13 and 20.	Aug. 13
Aug. 26	Avonmore, Pa.	Aug. 13
Aug. 27	North Dakota	Aug. 20
Aug. 28	Ft. Pierce, Fla. Adv. Aug. 13 and 20.	Aug. 13
Aug. 28	Tennessee	Aug. 6
Aug. 28	Burlington, N. J.	Aug. 20
Aug. 28	Wauwatosa, Wis.	Aug. 20
Aug. 28	North Dakota	Aug. 20
Aug. 28	Missouri	Aug. 20
Aug. 28	Ottawa, Ont.	Aug. 20
Aug. 28	Jellico, Tenn.	Aug. 20
Aug. 29	McRea, Ga.	Aug. 20
Aug. 31	Cairo, Ill.	Aug. 20
Aug. 31	Lake Charles, La	Aug. 13
Aug. 31	California	Aug. 13
Aug. 31	Millville, N. J. Adv. Aug. 13 and 20.	Aug. 13
Aug. 31	Minneapolis, Minn.	Aug. 20
Aug. 31	Cairo, Ill.	Aug. 20
Aug. 31	San Diego, Calif.	Aug. 20
Sept. 1	Washington	Aug. 20
Sept. 1	Pennsylvania Adv. Aug. 13 and 20.	Aug. 13
Sept. 1	New York Adv. Aug. 6 to 20.	Aug. 13
Sept. 1	Elizabeth City, N. C. Adv. Aug. 13 and 20	Aug. 20
Sept. 1	Holdrege, Neb.	Aug. 20
Sept. 1	North Dakota	Aug. 20
Sept. 2	Omaha, Neb.	Aug. 20
Sept. 3	Mobile, Ala. Adv. Aug. 6 to 20.	Aug. 13
Sept. 4	New York Adv. Aug. 20.	Aug. 20
Sept. 7	Sarasota, Fla. Adv. Aug. 20.	Aug. 20
Sept. 8	Labelle, Fla.	Aug. 20
Sept. 8	Valley City, N. D.	Aug. 20
Sept. 9	Freehold, N. J. Adv. Aug. 20.	Aug. 20
Sept. 10	Louisiana	Aug. 20
Sept. 15	St. Louis, Mo.	Aug. 20
Sept. 22	New Orleans, La.	July 2
Sept. 22	Edinburg, Tex. Adv. Aug. 20.	Aug. 20
Sept. 24	New Orleans, La.	July 2
	BUILDINGS—INDUSTRIAL	
Oct. 13	Durban, South Africa	July 30
	BUILDINGS—COMMERCIAL	
Aug. 22	Chicago, Ill.	Aug. 20
Aug. 22	St. Justine, Que.	Aug. 20
Aug. 24	St. Joseph, Mo.	Aug. 20
Aug. 24	Dover, Del.	Aug. 13
Aug. 24	Lonoke, Ark.	Aug. 13

Bids Close		See Eng. News-Record
Aug. 24	Madison, Wis.	Aug. 20
Aug. 24	New Haven, Conn.	Aug. 20
Aug. 25	Eloise, Mich.	Aug. 20
Aug. 25	Sheboygan, Wis.	Aug. 20
Aug. 25	Grand Island, Neb.	Aug. 13
Aug. 25	Chicago, Ill.	Aug. 13
Aug. 25	Phila., Pa.	Aug. 20
Aug. 26	Boston, Mass.	Aug. 20
Aug. 26	Marcy, N. Y.	Aug. 6
Aug. 28	Wellesley, Mass.	Aug. 13
Aug. 28	Phila., Pa.	Aug. 20
Aug. 31	Chicago, Ill	Aug. 13
Aug. 31	Sioux City, Ia.	Aug. 20
Sept. 1	Phila., Pa.	Aug. 20
Sept. 3	Portland, Ore.	Aug. 20
Sept. 7	Brooklyn, N. Y.	Aug. 20
Sept. 8	St. Joseph, Mo.	Aug. 20
Sept. 15	Chicago, Ill.	Aug. 20
Sept. 15	St. Louis, Mo.	Aug. 20
Oct. 6	Labelle, Fla. Adv. Aug. 20.	Aug. 20

BUILDINGS—EDUCATIONAL, RELIGIOUS

Aug. 24	Cleveland Heights (Warrensville P. O.), O.	Aug. 13
Aug. 24	Topeka, Kan.	Aug. 20
Aug. 25	Wellesley, Mass.	Aug. 13
Aug. 26	Lawndale, Pa.	Aug. 6
Aug. 27	Milwaukee, Wis.	Aug. 20
Aug. 28	Wash., D. C.	Aug. 20
Aug. 29	Hot Springs, Ark.	Aug. 6
Aug. 31	Columbus, O.	Aug. 6
Aug. 31	Dayton, O.	Aug. 13
Aug. 31	Williamsport, Pa.	Aug. 13
Aug. 31	South Euclid, O.	Aug. 13
Aug. 31	Atlantic City, N. J.	Aug. 20
Sept. 1	North Haven, Conn.	Aug. 13
Sept. 2	Brooklyn, N. Y.	Aug. 20
Sept. 3	Spearfish, S. D.	Aug. 13
Sept. 3	Falls City, Neb.	Aug. 20
Sept. 5	Luverne, Minn.	Aug. 20
Sept. 30	Virginia, Minn.	Aug. 20

FEDERAL GOVERNMENT WORK

Aug. 21	Post Office—Warren, O.	July 30
Aug. 21	Custom House—Denver, Colo.	Aug. 20
Aug. 21	Earthwork—New Orleans, La.	Aug. 20
Aug. 25	Stable—Jefferson Barracks, Mo.	Aug. 6
Aug. 25	Roads—Augusta, Ga.	Aug. 13
Aug. 25	Steel Tank—Phila, Pa.	Aug. 20
Aug. 25	Roads—Worland, Wyo.	Aug. 20
Aug. 26	Coal and Ash Handling Equipment—Wash., D. C.	Aug. 13
Aug. 26	Freight Elevator—San Diego, Calif.	Aug. 13
Aug. 29	Freight Elevator—San Diego, Calif.	July 30
Aug. 29	Dam—Pittsburgh, Pa. Adv. Aug. 6 to 20.	Aug. 6
Aug. 31	Borings—Detroit, Mich. Adv. Aug. 13 and 20.	Aug. 20
Aug. 31	Steel, etc.—Wash., D. C.	Aug. 20
Aug. 31	Buoys—Staten Island, N. Y.	Aug. 20
Sept. 1	Post Office—Fairmount, Minn.	Aug. 20
Sept. 2	Radio Tower—Mare Island, Calif.	July 30
Sept. 2	Remodeling—Evansville, Ind.	Aug. 20
Sept. 2	Acetylene Cylinders—Staten Island, N. Y.	Aug. 20
Sept. 3	Remodeling—Mobile, Ala.	Aug. 20
Sept. 4	Dredging—Newark, N. J. Adv. Aug. 6 to 20.	Aug. 6
Sept. 5	Barge—Galveston, Tex. Adv. Aug. 13 and 20.	Aug. 13
Sept. 8	Roof—Florence, Ala. Adv. Aug. 20.	Aug. 20
Sept. 10	Paving—Florence, Ala. Adv. Aug. 13 and 20.	Aug. 20
Sept. 12	Dredging, etc.—Galveston, Tex. Adv. Aug. 13 and 20.	Aug. 20
Sept. 14	Dredging—New York, N. Y. Adv. Aug. 20.	Aug. 20
Sept. 15	Kitchen and Mess Building—Perry Point, Md. Adv. Aug. 20.	Aug. 20
Sept. 15	Dredging—Mobile, Ala. Adv. Aug. 20.	Aug. 20
Sept. 16	Paving—Phila., Pa.	Aug. 20
Sept. 22	Post Office—Sandusky, O. Adv. Aug. 13 and 20	Aug. 20

UNCLASSIFIED

Aug. 25	Wharf—Matane, Que.	Aug. 20
Aug. 26	Heating and Ventilating—Boston, Mass.	Aug. 20
Aug. 26	Wharf—St. Andre, Que.	Aug. 20
Aug. 26	Wharf—Port au Saumon, Que.	Aug. 20
Aug. 27	Breakwater—Saulnierville, N. S.	Aug. 20
Aug. 27	Breakwater—Dingwell, N. S.	Aug. 20
Aug. 27	Subway—Boston, Mass. Adv. Aug. 13 and 20.	Aug. 6
Aug. 28	Breakwater—Hall's Harbor, N. S.	Aug. 20
Aug. 28	Bank Protection—Revelstoke, B. C.	Aug. 20
Aug. 28	Signal Units—Buffalo, N. Y.	Aug. 20
Aug. 28	Turbine Generator, etc.—Moorhead, Minn Adv. Aug. 20.	Aug. 20
Aug. 28	Screens, etc.—New York, N. Y.	Aug. 20
Aug. 28	Causeway—Tampa, Fla.	Aug. 20
Sept. 1	Breakwater—Bronxville, N. Y. Adv. Aug. 20.	Aug. 20
Sept. 1	Jetties—Cape May, N. J. Adv. Aug. 20.	Aug. 20
Sept. 8	Ventilation Fans—New York, N. Y. Adv. Aug. 6 to 20.	Aug. 6
Sept. 21	Transformers—Melbourne, Australia	Aug. 6
Sept. 29	Towers—Wellington, New Zealand	Aug. 6
Oct. 1	Foundation—Madison, Wis.	July 30

MATERIALS

Sept. 16	Power Hammers—Melbourne, Australia	Aug. 6
Oct. 10	Wire—Melbourne, Australia	Aug. 20
Oct. 13	Insulation Strings—Wellington, New Zealand	Aug. 6
Oct. 20	Telephone Cable—Melbourne, Australia	Aug. 20
Nov. 9	Cable—Melbourne, Australia	Aug. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Nahant—Plans new water-main for connection with Metropolitan Dist. Comn. supply. $85,000 appropriated. Engineer not selected.

Conn., Colchester—City of Norwich plans new reservoir here, for new water supply for city of Norwich. $1,080,000 appropriated. Water Dept. Norwhich, City Hall, engrs.

N. J., Lakehurst—Making plans for new water supply system. $75,000. Sherman & Sleeper, 501 Cooper St., Camden, engrs.

N. J., Toms River—Toms River Water Co., plans increasing water supply with new 50,000 gal. tower, 25 ft. x 105 ft. high. $20,000. Engineer not selected.

Fla., Bradentown—City rejected bids July 27, 250,000 gal. elevated tank, 169,300 lin. ft. c.i. mains, etc. in various streets. $30,000. Will readvertise. Noted July 9.

O., Alliance—City plans high pressure water mains in west part of city from City Water plant, $50,000. H. Anderson, Alliance, engr.

Mich., Pigeon—Plans 9,000 ft. 4 in. and 3,400 ft. 6 in. Class B mains, $20,000. A. Kleinschmidt, village clk.

Ill., Chicago—Greater Chicago Lake Water Co., 76 West Monroe St., making preliminary plans furnishing water to suburban cities west of here, incl. crib approximately 3 mi. in lake off 22d St., and 14 ft. tunnel blasted out of solid rock, 165 ft. underground carrying water to 100 m.g. pumping station, 22d St. and Harlem Ave. $20,000,000. T. J. Donlon, 76 West Monroe St., engr.

Ill., Chicago—Dept. Pub. Wks., made plans pumping station, 49th St. and Western Ave. J. Ericson, city engr. L. D. Gayton, engr. of Waterworks Design.

Ill., Highland Park—Plans approximately 9 mi. 6 to 20 in. c.i. mains for annex territory. $395,000. Windes & Marsh Winnetka, engrs.

Ill., Pontiac—State plans new water plant at State Reformatory here. $50,000. Address State Engineer, Springfield.

Wis., Kohler—W. Nesemann, village clk., making plans approximately 15,000 lin.ft. c.i. mains in various streets. To exceed $15,000. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs.

Minn., Wanamingo—Village plans waterworks system. $18,000.

Neb., McCook—Election Aug. 18, to vote $68,596 bonds improving mains, and distribution system.

Mo., Marceline—City Council plans election in September or October to vote bonds for new filtration plant.

Mo., Republic—Making plans several miles 4, 6 and 8 in. c.i. mains, deep well, 200,000 gal. concrete storage basin, 75,000 gal. tank on tower, 500 g.p.m. pump with motor, etc. Gantt & Baker, 1116 Main St., Oklahoma City, Okla., engrs. Noted June 11.

Tex., Anson—Election Aug. 25, $60,000 bonds, mains and pumping equipment, also sewage disposal plant, etc. $60,000. Engineer not selected. Address mayor.

Tex., Ennis—Voted $60,000 bonds for waterworks improvements. H. McCanless, engr.

Tex., Houston—Making plans 15 m.g. concrete covered storage reservoir. Holway Eng. Co., Wright Bldg., Tulsa, Okla., engrs.

Okla., Chickasha—Having preliminary plans prepared new mains, pumping equipment, etc. $125,000. R. O. Bradley, engr. Noted Sept. 25.

Okla., Muskogee—Election Aug. 21, $225,000 bonds new filter plant and equipment. Burns & McDowell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted June 18.

Calif., Puente—La Grande Source Water Co., making plans 1,500,000 gal. rein.-con. reservoir, incl. 15,000 cu.yd. earth excavation, and 100 cu.yd. rein.-con. H. D. Watts, Box 1091, engr.

Calif., San Rafael—Marin Municipal Water Dist., plans election Oct. 29, to vote $1,500,000 bonds for reservoir, pipe lines and repairing present lines. Noted May 14.

Ont., Hamilton—Plans constructing filteration plant. $600,000. A. McFaul, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Aug. 28, by N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York City, mains, etc. in Alabama, Atlantic, Hegeman, Jerome, Nostrand, Porter, Schenectady, Stone, Williams, 7th and 8th Aves., Avenues J and V, Ingraham, Sackman, East 5th, 26th, 87th, 95th Sts., West 1st and 9th Sts., here.

N. Y., Chappaqua—Sept. 3, by Bd. Water Comrs. Water Dist. 1, town of New Castle, at office Town Clerk, Main St., Chappaqua, extending distribution system. D. C. Nolan, Jr., Natl. Bank Bldg., Tarrytown, civil engr.; adv. E. N.-R. Aug. 20.

N. J., Newark—Sept. 3, by North Jersey Dist. Water Supply Comn., 20 Clinton St., grading and graveling, etc. for relocation of highways at Wanaque Reservoir. M. R. Sherrerd, consult. engr.; adv. E. N.-R. Aug. 20.

Md., Linthicum Heights—Aug. 26, by Sanitary Comn. Anne Arundel Co., 5,400 lin.ft. 8 in. c.i. mains, etc., in Overlook and Linthicum Heights Sanitary Dists., Contr. 2-W.

W. Va., Wheeling—Aug. 31, by City, booster pumping station, motor driven centrifugal pumps, etc., on Natl. Pike, Elm Grove. H. C. Lane, city clk.

Fla., St. Cloud—Sept. 3, by City Comn., water and sewerage system improvements. Main Eng. Co., Daytona, engrs. for waterworks. Ramsay-Herndon Co., Orlando, engrs. for sewers. adv. E. N.-R. Aug. 20.

Ky., Jackson—Aug. 29, by Jackson Water Co., Inc., 400,000 gal. covered circular concrete tank, 45 ft. diam., incl. 470 cu.yd. concrete, 30 tons reinforcing, etc. A. B. Hargis, Jellico, engr.

Wis., Milwaukee—Aug. 25, by Bd. Pub. Wks., 13,000 ft. 6- to 16-in. c.i. mains in various streets.

Neb., Yutan—Martin & Heyn, Omaha Natl. Bank Bldg., Omaha, taking bids waterworks to serve 2,000 houses, incl. 8 mi. 3 in. c.i. mains, 40 fire hydrants, two 300 g.p.m. or six 100 g.p.m. electrically driven, centrifugal pumps, 100 ft. steel tower, and 50,000 gal. tank, here.

Tex., Idalou — Montgomery & Ward, engrs., 1016 City Natl. Bank Bldg., Wichita Falls, taking bids and open same about Aug. 31, new waterworks system, incl. tank and tower, pumping equipment, etc., here, for city. $30,000. Noted June 25.

Tex., Jayton—Taking bids water tank and tower, and 3 or 4 mi. 6 in. mains to run from present reservoir. $50,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs.

Calif., Los Angeles—Sept 1, by Los Angeles Co. Sanitation Dist. 4,679 lin.ft. 21 to 24 in. pipe, etc., in Wright Rd., through City of Maywood, Dist. 1. A. K. Warren, ch. engr. Noted March 19.

BIDS RECEIVED

Okla., Ponca City—City, 2 m.g. concrete reservoir, etc., from J. Tibey & Son, 1109 West 7th St., Oklahoma City, $34,950.

Wash., Seattle—Bd. Pub. Wks., 7,910 ft. 8 in. mains, etc. in 9th Ave. South West, et al, from Interstate Constr. Co., 1713 22d Ave. South, $20,841.

CONTRACTS AWARDED

N. Y., Brooklyn—H. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Geritsen and New York Aves., etc., to Wataga Contg. Co., 308 Lenox Ave., New York City, $13,400. Noted Aug. 6.

Waterworks (Continued)

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York City, water mains, etc., in Anabel and 14th Ave., to Stanby Constr. Co., Steinway Ave., $8,204, in 8th Ave., to S. Gallucci, Railroad Ave., Corona, $8,296. Noted Aug. 13.

N. Y., New York—N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Adee, Astor, and Barnes Aves., etc., to Melrose Constr. Co., 236 East 162d St., $1,500, in Baisley and Balcombe Aves., to C. DeBlasio, 339 7th Ave., Mt. Vernon, $15,974. Noted Aug. 13.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Corlear, Perry, Reservoir, Tibbett, Walton, Waynes Aves., etc., to Riverdale Water Works Corp., 355 East 113th St., $14,500, transformers, enclosures and electrical conduits for Oliver and Ganseveort St. High Pressure Fire Pumping Stations to Balaban Gordon Co., Inc., 116 West 39th St., $33,330. Noted Aug. 13.

Okla., Newkirk—New water supply system, well, pump, motor transmission line, reservoir and pipe lines, incl. 36,000 ft. 4- to 10-in. c.i. pipe, to L. A. Galleciez, Enid, $101,799. Engrs. est. $115,000. Noted Apr. 16.

Okla., Ponca City—C. E. Norton, city clk., concrete reservoir, 2 m.g. capacity and 1,400 cu.yd. concrete, to J. Tibey, 1109 West 7th St., Oklahoma City, $34,950. Noted July 30.

Wash., Centralia—City Comn., constructing new 5 m.g. reservoir on Seminary Hill, to F. Knowles, Centralia, $67,631. Noted May 28.

Ont., Mimico—Town, 250,000 imp. gal. steel elevated water tank to Horton Steel Wks., Ltd. Bridgeburg, $22,000, 1,000 waterworks service water meters, to Empire Brass Mfg. Co., 110 Adelaide St., Toronto, $12,000. Concrete foundations to be built by day labor.

Sewers

PROPOSED WORK

N. Y., East Syracuse—Making plans sewers and sewage disposal plant. $60,000. A. G. Card, village engr.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., rejected bids Aug. 6, sewers in O'Brien Ave. Noted Aug. 13.

Pa., Williamsport—City plans election in September to vote $500,000 bond issue, for 16th Ward sewer additions. C. L. Jones, councilman.

O., Cleveland—Election Nov. 3, $1,000,000 bonds sewers in various streets. R. Hoffman, City Hall, engr.

O., Massillon—Plans sewage disposal plant. $35,000-$40,000. C. E. Rice, Massillon, engr.

Ill., Mundelein—Village making plans outfall sewers and treatment plant in Mundelein St. Dist. $100,000. Kelker-Deluw Co., 111 West Washington St., Chicago, engrs.

Ill., Rockford—Bd. Local Impvts. soon takes bids sewage disposal plant and sewers in district between School and Auburn Sts. $120,000. B. C. Harvey, City Hall, engr.

Wis., Kohler—W. Nesemann, city clk., making plans approximately 15,000 ft. sanitary and 10,000 ft. storm sewers, in various streets. To exceed $25,000. J. Donohue, Eng. Co., 608 North 8th St., Sheboygan, engrs.

Mo., St. Joseph—Defeated $1,350,000 bonds for sewers in various streets. W. K. Seitz, engr. Noted July 16.

Mo., St. Joseph—City soon takes bids 1,500 ft. 8 x 9 ft. monolithic concrete, circular sewer in Hyde Park Project. $40,000. W. K. Seitz, city engr.

Tex., Ennis—Voted $40,000 bonds for sewer extensions, incl. enlarging disposal plant, 8,000 ft. vitr. pipe. H. McCanless, city engr.

Tex., Schulenburg—Voted $45,000 bonds for complete sewer system. Address mayor. Noted July 30.

Wash., Seattle—City Council plans election to vote $1,653,000 bonds for intercepting and trunk sewers, etc., between Lake Washington and Puget Sound. J. D. Blackwell, city engr.

Calif., San Francisco—Making plans furnishing and installing two 6 in. vertical centrifugal pumps and motors at Great Highway and Vicente St. Pumping Station. $6,500. M. M. O'Shaughnessy, city engr.

Calif., San Jose—Made plans installing 8,483 lin.ft. 8 to 30 in. concrete pipe, etc., in portions of Santa Clara, 33d, 28th Sts., etc. W. Popp, city engr.

Calif., Santa Monica—Plans election to vote $395,000 bonds for sewage disposal plant, and trunk line to connect with Los Angeles Hyperion outfall sewer.

Ont., London—Plans approximately 30,000 lin.ft. lateral sewers, etc., in connection with proposed sewage disposal plant. $150,000. W. P. Near, City Hall, engr.

Ont., North Bay—Plans 4,500 ft. vitr. tile sewers, in Laurier Ave., Bourke, Durrell, McLaren, Copeland Sts., etc. $25,000. F. G. Mackie, City Hall, engr.

Ont., Toronto—East York Twp., plans vitr. tile, concrete, brick trunk and service sewers, in Atlas and Hastings Aves., $10,600, Gloucester Rd., $61,721, Amherst Ave., $1,575, Weston Rd., $98,822. F. B. Goedike, 40 Jarvis St., Toronto, engr.

BIDS DESIRED

N. Y., Brooklyn—Aug. 26, by J. A. Guider, boro pres., Boro Hall, sewers in Rockaway Parkway, west and east sides, Elmore Pl. and East 37th St.; also reconstructing sewers in 60th and 47th Sts., 19th and Foster Aves.

N. Y., Buffalo—City taking bids, 4,000 ft. 10, 12 and 15 in. sewer in Niagara St., Millicent and Hollywood Aves. To exceed $25,000. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., Olean—Aug. 27, by Common Council, City Hall, sanitary trunk sewerage system with sewage pumping station, etc. G. R. Miles, city engr.; adv. E. N.-R. Aug. 20.

N. Y., St. George—Aug. 24, by J. A. Lynch, boro pres., Boro Hall, temporary sanitary sewer in Brighton Ave., etc.

Pa., Phila.—Aug. 25, by Dept. Pub. Wks., Bureau of Engineering, storm water ditches and drainage for South Phila. Impvt. south of Packer Ave. and west of Broad St., Plan A, 300,000 cu.yd. excav., 2,100 ft. 36 in. and 520 ft. 30 in. culvert pipe, 4,600 lin.ft. bulkhead, etc., Plan B, 280,000 cu.yd. excav., 2,450 ft. 36 and 520 ft. 30 in. culvert pipe, etc.

Md., Catonsville (br. of Baltimore)—Aug. 31, by Comrs. Baltimore Co., Courthouse, Towson, 32,520 lin.ft. 6 and 8 in. terra cotta sewers and 19,010 lin.ft. 6 in. house connections in various streets as listed in Proposal 5-S. A. E. Walden, ch. engr., Court house, Towson.

Fla., Bradenton—Aug. 25, by City, R. K. Camp, Comr. Pub. Wks., about 270,000 lin.ft., 6 to 15 in. sanitary sewer, etc., and 58,000 lin.ft., 12 to 36 in. storm sewers, etc. L. I. Hine, city clk; adv. E. N.-R. Aug. 20.

Fla., Punta Gorda—Sept. 8, by City, sanitary sewerage system. J. B. McCrary Eng. Co., Atlanta, Ga., engrs.; adv. E. N.-R. Aug. 20.

Fla., St. Cloud—See "Waterworks."

Fla., St. Petersburg—Aug. 24, by S. S. Martin, dir. Finance, storm sewers in Brooke Creek and Ingleside Ave. to Booker Creek and 9th Ave. $25,000.

Ky., Central City—Aug. 24, by City Council 19,600 lin.ft. 8- to 15-in. sanitary sewer, etc. C. W. Wardle, Bennett Bldg., engr.

O., Cleveland—Aug. 26, by City, sewers in Albers Ave. S. W. Big Creek, Intercepting Sewer Sect. 1, Caldwell Ave. N. W., East Blvd. S. E., Kinkelaar Rd. N. W., Leeilla Ave. S. W., Lydian Ave. N. W., Mohican Ave. N. E., and West 145th, 146th and 168th Sts. R. Hoffman, City Hall, engr.

Mich., Detroit—Aug. 20, by G. A. Dingman, drain comr., Wayne Co., County Bldg., constructing Wright Drain, in 5 sections, Nankin Twp.

Mich., Detroit—Aug. 24, by Comrs. Pub. Wks., rein.-con outlet weir, for Lonyo Rd. Sewer, at Dix Ave. and Baby Creek. $50,000. P. A. Fellows, city engr.

Mich., Detroit—Aug. 31, by Comr. Pub. Wks., 2,399 lin.ft. Connors Creek Sewerage System, Outlet Sect., 304 ft. 2 bbl. sect., 617 ft. "BB," 2-bbl. sect., 113 ft. "CC" 3-bbl. sect., 1,261 ft. 2-bbl. cooling water intake, etc. P. A. Fellows, City Hall, engr.

Mich., Grand Rapids—Sept. 2, by Director Pub. Serv., City Hall, constructing Washington-Lake Dr. Relief Sewer Project, Contr. H-3. F. H. Locke, city mgr.; adv. E. N.-R. Aug. 20.

Ill., Cairo—See "Streets and Roads."

Ill., Evanston—See "Streets and Roads."

Ill., Stegar—Aug. 24, at Village Hall, sanitary sewerage system and purification plant. $180,000. Ashdown, Williams & Co., 1530 Halsted St., Chicago Heights, engrs.; adv. E. N.-R. Aug. 20.

Minn., Rochester—Sept. 4, by Common Council, City Hall, sewage disposal plant. F. Bass, city engr.; Adv. E. N.-R. Aug. 20.

Calif., Los Angeles—Aug. 24, by Los Angeles Co., Sanitation Dist., 1,944 lin. ft. 15 to 33 in. pipe, etc. in Atlantic Ave. and Union Pacific (main line) grade crossing, south of Belvedere Gardens. Dist. 2. A. K. Warren, ch. engr. Noted March 19.

BIDS RECEIVED

Mass., Boston—Dept. Pub. Wks., sewers in Tremont, Corning and Warrenton Sts., here, from A. Grande, 14 Stelman Rd., Roxbury, $32,541.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, Aug. 17, temporary sewers in Clove Rd., from G. Orricco, 500 Butler Ave., Concord, (a) $117,906 (b) $115,398. Noted Aug. 13.

Pa., Phila.—Dept. Pub. Wks., Bureau Engineering, storm water ditches and incidental drainage in connection with South Phila. Impvt. south of Packer Ave. and west of Broad St., from Stange Constr. Co., 1703 North 55th St., $612,500. Noted Aug. 6.

Mo., St. Joseph—City 3,300 ft. 4 ft. storm sewers in Florence Addition, from T. Johnson, St. Joseph, rein.-con. pipe, $26,164; from Buchanan Constr. Co., St. Joseph, monolithic concrete, $23,227; from Judson Eng. Co., St. Joseph, segmental clay block, $23,632. Engrs. est. $30,000.

Calif., Oakland—From Heafey-Moore-McNair, 344 High St. Fruitvale, sewer in Fruitvale Ave. between East 10th St. an U. S. Tidal Canal incl. 1,894 ft. 8 x 13 in. rein.-con. culvert, $30.75, 2 taper connections 10 in. long $400, 1 taper connection 20 in. $700, etc. Total $62,920.

CONTRACTS AWARDED

Mass., Boston—Dept. Pub. Wks., sewerage works in Tremont, Corning and Warrenton Sts., here, to A. Grande, 14 Stellman Rd., West Roxbury. $32,541. Noted Aug. 24.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to A. Paino, 2016 East 14th St., Brooklyn sewer in Farmers Blvd. B $764,143, to Awixa Corp., Mt. Vernon, A $832,172, to D. Bonacci, 672 De Gau St., Brooklyn, sewer in 137th St. A $696,287, B $663,449, to Dult, Inc., 207 Argyle Rd., Brooklyn, sewer in Merrick Blvd. $1,104,177, to Muccinni & Decker, 6102 18th Ave., Brooklyn, sewer in Baisley Blvd. A $515,050, B $504,188, to J. H. Johnson, sewer in Tiemann Ave., A $70,936, B $64,786, to D. A. Gross, 8515 Fulton St., Woodhaven, 84th St. $8,974. Noted Aug. 6.

Pa., Phila.—Dept. Pub. Wks., Bureau Highways, to J. J. McHugh, 1617 Race St., stormwater sewers incidental and necessary to grading of Packer Ave., 10th St., from Johnston St., to D.D. south of Geary St., $80,916, 20th St also Pattison Ave., from 20th to Broad Sts. $72,200, Pattison Ave., from Broad to 10th St., and 10th St. from Pattison Ave. to D.D. north of Hartranft St., $59,156, 7th St. also Pattison Ave. from 10th to 7th St. $75,586. Grand total $287,858. G. H. Bile, dir. Noted Aug. 6.

D. C., Wash.—Dist. Comrs., sewers in various streets, 4, to W. F. Brenizer Co., 101 New York Ave. N.E.; 2, to W. F. Cush, 3d and R Sts. N.E., 2, to M. Cain Co., 13 6th St. N.E., and 3, to W. A. Pate, Jr., Rockville, Md. Engrs. est. $38,000.

Tenn., Chattanooga—E. D. Bass, comr. Dept. Streets & Sewers, constructing 12th Ward Trunk Sewer, using all concrete pipe, to Sheets & Canfield, Columbus, O., $180,195. Noted July 16.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to B. Canini, 1705 Shawnee Ave., 730 ft. 8 in. sewers, etc. in Eastment north Longview Ave. $1,299, 12,000 ft. 8 in. sewer in Palmetto Ave. $16,985, 7,710 ft. 6 and 8 in. sewer in alley north Walhalla Rd., $2,310. Grand total, $20,594. Noted July 30.

Ill., Lake Forest—City sewage treatment plant, including Imhoff tanks, chlorination tank, sludge bed, etc., to Hallbauer-La Bohn, 844 Rush St., Chicago, $48,993.

Ill., Waukegon—City, Imhoff tanks, chlorination tank, sludge bed outfall sewers, etc. in North Shore Sanitary Dist., to Hallbauer-La Bohn, 844 Rush St., Chicago, $78,575.

Neb., Omaha—Storm sewers in Dist. 822, to Omaha Sewer Constr. Co., 1805 Dodge St. $36,046.

Tex., Dallas—Storm sewer on Peak Branch, Gaston Park, to R. J. Estes Contg. Co., Wilson Bldg., $41,000. Engrs. est. $45,000.

Wash., Seattle—Bd. Pub. Wks. sewers in Ashworth Ave. et al, to McHugh & Coluccio, 517 3d Ave., $35,867. Noted Aug. 13.

Ont., Toronto—East York Twp., activated sludge, rein.-con., sewage disposal plant to H. A. Wickett Co., Ltd., 127 Front St., E. crane to H. Morris Crane & Hoist Co., Niagara Falls, valves to F. Hankin Co., Ltd., 597 Union St., Montreal, diffuser valves to Laurie & Lamb, St. Sacrament St., Montreal, c.i. pipe to National Iron Corp., foot of Cherry St., pumps to J. T. Hepburn, Ltd., 18 Van Horne St., Engrs. est. $250,000.

Ont., Toronto—York Twp., to J. H. McKnight Constr. Co., 88 St. Davids Ave., trunk sewer in Weston Rd. $67,555; to F. Cords, Elmira, 8- to 12-in. vitr. tile service sewers, in Amherst Ave. $683, Earlsdale Ave. $826, Onslow Crescent, Glenholme and Allenvale Aves. $3,558, Eversfield and Hath-

Sewers (Continued)

erly Rds. $7,940, to Ruscica Bros., 84 Woodycrest Ave. Heathdale Rd. and Humewood Dr. $10,680, to Nelson River Constr. Co., Bank of Hamilton Bldg., Earlsdale Ave. and Northcliffe Blvd., $3,045, to J. Simpson, 227 Wychwood Ave., Ramsden and Shortt St., $1,519, Almeda and Schell Ave. $3,120, to Dept. Pub. Wks., Armadale Ave. $1,022, Waller Ave. $622, by day labor. Grand total, $201,118.

Waste Disposal

PROPOSED WORK

Pa., Phila.—Takes bids about Oct. 1 for disposal plant in South or West Phila. $600,000. Private plans.

BIDS RECEIVED

N. Y. Long Island City—M. E. Connolly, pres. Queensboro, Queens Subway Bldg., Aug. 17, repairs to Ravenswood incinerator, Van Alst and Graham Aves., from Kelly & Kelly, 12th St. and Vernon Ave., $12,900. Noted Aug. 13.

CONTRACTS AWARDED

N. J., Summit—City, 40 ton garbage incinerator to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga. $43,325.

Bridges

PROPOSED WORK

Connecticut—State Hy. Dept., Hartford, and New York, New Haven & Hartford R.R. Co., plans 462 ft. concrete bridge, 28 ft. with two 6 ft. walls over Naugutuck River, between Waterbury and Thomaston. $250,000. J. A. MacDonald, highway engr.

O., Cleveland—Cleveland Union Terminal Co., c/o O. P. and M. J. Swerinsten, Marshall Bldg., plans two 151 ft. span structural steel and concrete bridge over Cuyahoga River. $200,000. H. D. Jonett, Ulmer Bldg., engr.

O., Rocky River—Cuyahoga Co., (Cleveland); election Nov. 3, $1,000,000 bonds concrete bridge over Rocky River. F. Lander, Court House, engr.

Mich., Ann Arbor—Plans 152 ft. rein.-con. 3 span girder bridge, over Huron River, at Fuller St. I. Reynolds, city clk.

Wis., Racine—H. A. Nelson, comr. Pub. Wks. will receive plans and specifications Aug. 22 for bridge over Chicago, Milwaukee & St. Paul R.R. and Chicago, Northwestern R.R. tracks, at 6th St. To exceed $25,000. Noted March 5.

Ia., Des Moines—Plans 500 ft. rein.-con. arch span bridge, 42 ft., across Racoon River between 15th and Walnut and 17th and Wabash Sts. $50,000. J. M. Tippee, Des Moines, engr.

Minn., Dayton—Hennepin Co. plans steel bridge on stone piers over Mississippi River, here. $125,000.

Mo., St. Joseph—Union Terminal Ry. Co. soon takes bids on 36 ft. steel plate girder span, etc., over Whitehead Branch. $25,000. S. F. Koster, c/o owner, engr.

Texas—See "Streets and Roads."

Tex., Anson—See "Streets and Roads."

Tex., Baird—See "Streets and Roads."

Tex., San Diego—See "Streets and Roads."

BIDS DESIRED

Massachusetts—See "Streets and Roads."

Louisiana—Sept. 10, by State Hy. Comn., Reymond Bldg., Baton Rouge, grading and graveling 11 mi. road from Haynesville to Mile Post 11, State Project 453-B 1, and 10 mi. from Mile Post 11 to Mile Post 21, State Project 453-B-2 Haynesville-Bernice Highway, Claiborne Parish. W. B. Robert, highway engr.

Ill., Chicago—See "Contracts Awarded."

Missouri—Aug. 28, by State Hy. Dept., Jefferson City, two 12 ft., three 16 ft., two 18 ft. and six 24 ft., rein.-con. slab spans, etc., also one 450 ft. and two 45 ft. rein.-con. deck girder spans, etc., in Boone Co.; five 20 ft. rein.-con., one 25 ft., one 40 ft. and one 45 ft. rein.-con. deck girder spans, etc., in Buchanan Co.; four 10 ft. and three 18 ft. rein.-con. slab, three 80 ft. steel truss and three 30 ft. I-beam spans, etc., in Calaway Co.; twelve 20 ft. rein.-con., one 120 ft. and one 125 ft. steel truss spans, etc., in Chariton Co.; one 30 ft. rein.-con. deck girder span, etc., in Clinton Co.; two 8 ft., four 10 ft., three 14 ft. and three 20 ft. rein.-con. slab, also one 140 ft. steel truss spans, etc., in Franklin Co.; three 16 ft. rein.-con. slab, three 30 ft. rein.-con. deck girder, and one 90 ft. steel truss spans, etc., in Jackson Co.; four 20 ft. rein.-con. slab, one 30 ft. rein.-con. deck girder, one 60 ft. and one 80 ft. steel truss spans, etc., in Johnson Co.; three 25 ft. I-beam spans, etc., in Mississippi Co.; eight 20 ft. rein.-con. slab and one 100 ft. steel truss spans, etc., in Montgomery Co.; one 24 ft. and four 20 ft. rein.-con. slab spans, etc., in Ray Co. and two 12 ft. rein.-con. slab spans, etc., in Saline Co. B. H. Piepmeier, highway engr.

Tex., San Angelo—Aug. 29, by Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, rein.-con. and steel arch bridge across North Concho River on Abe St. owned jointly by city and county. $40,000.

Que., Montreal — Aug. 31, by T. E. Trihey, secy., Harbor Comrs. constructing substructures (northern half) of Montreal-South Shore Bridge, between St. Helen's Island and Burnett St. here. Noted July 16.

Que., Montreal—Sept. 9, by T. E. Trihey, secy. Harbor Comrs., steel superstructure of Montreal-South Shore bridge.

BIDS RECEIVED

New Jersey—State Hy. Comn., Trenton, three 22 ft. span rein.-con. slab bridge, 30 ft. roadway over Cruser's Brook, on Route 16, Somerset Co., from Richards & Gaston, Somerville, $21,624. Noted July 30.

Tex., Austin—W. D. Yett, mayor, 3 span 240 ft., rein.-con. open spandrel bridge with concrete piers, 27 ft. deck, 20 ft. roadway, etc., across Bartons Creek, from A. A. Mundt, 812 West 6th St., Austin, $26,888. Noted Aug. 13.

Wash., Aberdeen—City Council, Aug. 12, superstructure and approaches for new swing span bridge over Chehalis River, at Penn St., from Puget Sound Bridge & Dredging Co., Central Bldg., Seattle., $131,945. Noted July 30.

Calif., Sacramento—Supervs. Sacramento Co., July 27, moving and reconstructing Grand Island Bridge at 3 mi. slough with new concrete pier foundations, from G. Pollock Co., Forum Bldg., Sacramento, $63,890. Noted July 9.

CONTRACTS AWARDED

N. Y., Buffalo—Buffalo-Fort Erie Bridge Co., Ellicott Sq. Bldg., 7 concrete piers for bridge over Niagara River to J. P. and R. B. Porter, St. Catharines, Ont. $640,820.

Ill., Chicago—Lincoln Park Comn., Center and Clark Sts., will build 360 ft. concrete bridge on Simons Island, Lincoln Park, by day labor. $300,000. Prices wanted on material.

Missouri—State Hy. Dept., Jefferson City, to Hamilton, Hoffman Constr. Co., Carbondale, Ill., two 10 ft. rein.-con., slab spans, etc., over stream, $3,574, to Simons, Quincy, Ill., two 10 ft. rein.-con. slab spans, etc., over stream, $2,917, two 12 ft. rein.-con. slab spans, etc., over stream $3,820, all in Adair Co.; to Cattle, Campbell & Co., Troy, two 12 ft. rein.-con. slab spans, etc., over Jug Run Creek, Rolls Co., $2,814; to Fogleman & Davidson, Versailles, two 12 ft. rein.-con. slab spans over stream, Franklin Co., $3,201; to L. A. Woods Constr. Co., Smithville, two 12 ft. rein.-con. slab spans, etc., over Wild Cat Creek, Platte Co., $3,389; to Kelly & Underwood, Granby, four 12 ft. rein.-con. slab spans, etc., over stream, $5,754 also two 80 ft. steel truss and two 40 ft. rein.-con. slab spans, etc., over Elks Ford of Salt River, $24,480, all in Monroe Co.; to A. W. Mosley, Union Star, eight 12 ft. rein.-con. slab spans, etc., over stream, $10,719, also one 40 ft. and two 25 ft. rein.-con. deck girder spans, etc., over Tebo Creek, $5,233, in Henry Co.; to Midwest Constr. Co., Kansas City, seven 20 ft. rein.-con. slab spans, etc., over overflow of Sand Creek, $9,136, one 45 ft. and two 25 ft. rein.-con. deck girder spans, etc., over Little Tebo Creek, $5,730 also one 60 ft. steel truss and two 20 ft. rein.-con. slab spans, etc., over Sand Creek, $8,589, in Henry Co.; to J. P. Harlin, West Plains, three 20 ft. rein.-con. slab spans, etc., over Cox Branch, $4,995, five 18 ft. rein.-con. slab spans, etc., over Dry Branch, $6,776, both in Oregon Co.; to W. T. Thompson & Sons, Eugene, three 30 ft. rein.-con. deck girder spans, etc., over Grindstone Creek, $5,015, one 40 ft. rein.-con. deck girder span, etc., over stream, $4,558, one 40 ft. rein.-con. deck girder span, etc., over Bonne Femme Creek, $4,578, and one 40 ft. rein-con. deck girder span, etc., over Turkey Creek, $4,980, all in Boone Co.; to C. H. Atkinson Paving Co., Watertown, S. D., one 40 ft. rein.-con. deck girder span, etc., over Canal Creek, Nodaway Co., $10,294; to Richmond Constr. Co., Advance, three, 20 ft. I-beam spans, etc., over drainage ditch, Dunklin Co., $3,523, to Thomas & Samson, Bonnets Mill, repairing and painting bridge over stream, Warren Co., $1,982, and one over Jacks Fork of Current River, Shannon Co., $3,386. Grand total $144,093. Noted July 16.

Calif., San Francisco—City and San Francisco Co. rein.-con. bridge at San Jose and Mt. Vernon Aves. to Bond Constr. Co., 1st Natl. Bank Bldg., $97,140.

Ark., Powhatan—Black River Bridge Co., 1,445 ft. suspension bridge with creosoted pile trestle approaches, over Black River, near here, to Austin Bridge Co., 1813 Clarence St., Dallas, Tex.

Oregon—State Hy. Dept., Salem, rein.-con. and steel bridge over Crooked River, Jefferson Co., to Kneckenberger & Whitman, Portland, $106,400.

Dams

BIDS DESIRED

Calif., Los Angeles—Oct. 12 by Bd. Supervs. Los Angeles Co. Flood Control Dist., Hall of Records, 3 earthen dams, tunnels, spillways, etc., at Puddingstone Reservoir site. L. E. Lampton, clk.; adv. E. N.-R., Aug. 20.

Railways

PROPOSED WORK

Texas—Quannah, Acme & Pacific Ry. Co., have applied to Interstate Commerce Commission for authority to construct 27 mi. road from McBain to Floydale. A. F. Sommers, vice pres. & gen. mgr. Quannah.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ill., Beardstown—State of Illinois, Springfield, plans widening, raising and constructing levees around here. $350,000.

Tex., Mercedes — Hidalgo Water Impvt. Dist. 5, W. C. Shaw, secy., plans irrigation project, near here. $250,000. A. Tamm, Harlingen, engr.

Tex., Sabinal—Uvalde Co. Irrigation Dist. plans to organize irrigation district to irrigate 40,000 acres, and draw water from Frio River. $2,000,000. J. A. Norris, chn. State Bd. Water Engineers, Austin.

Tex., San Benito—Cameron Co. plans election Aug. 18, $600,000 bonds for constructing levees, drainage, etc. O. C. Dancey, La Feria, co. judge.

Ore., Portland—Barr & Cunningham, engrs., Spalding Bldg., soon take bids diking and draining 6,000 acres Columbia River slough land, 750,000 cu.yd. excav., for Scaffore D. D. $300,000.

BIDS DESIRED

New Jersey—Sept. 2, by Conservation & Development, State Bldg., Trenton, removing bridges and making fills at Little Falls, Paterson and West Paterson. $135,000. H. G. Kummel, State Office Bldg., Trenton, engr.

Pa., Phila.—See "Sewers."

Fla., Tampa—See "Unclassified."

Louisiana—Aug. 28, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing 0.92 mi. fire protection canal, Federal Aid Project 43-D, Unit 2, Vinton-Orange Highway, Calcasieu Parish. W. B. Robert, highway engineer. Noted June 18.

BIDS RECEIVED

N. J., Stanhope—Conservation & Development Dept., Trenton, repairing Musconetcong dam and making fills at Morris Canal, here, Sussex Co., from J. W. Heller, South Orange, $105,133.

Calif., Merced—H. P. Sargent, secy. Merced Irrigation Dist., Barcroft Bldg., July 28, 14 sets of gate operating gearing from Hendy Iron Wks., 75 Fremont St., San Francisco, $28,765. Noted July 2, under Dams.

CONTRACTS AWARDED

N. Y., Brooklyn—M. Cosgrove, comr. of docks at office, Pier A, foot Battery Place, North River, New York City, dikes, bulkheads and dredging Fresh Creek Basin, Jamaica Bay Cont. 1855, to United Dredging Co., 233 Bway., New York City, $182,700. Noted Aug. 6.

N. J., Avon—Bd. Commerce & Navigation, Trenton, depositing rock and drive pile dolphins north jetty of Shark River inlet, here, Monmouth Co., to J. A. Howland, Sea Bright, $5.10 per ton for rock, $1 per ft. timber piling, total $40,000.

Tex., Crystal City—Zavalla and Dimmit Counties, Irrigation Dist. 1 will build four dams of rein.-con. and steel, three to be built across Nueces River and one to be built at the Lake, by day labor under supervision of G. M. Jowers, city engr. Crystal City. $116,925. Noted July 23.

Calif., Venice—Filling with approximately 90,000 cu.yd. canals and waterways in various sections of city to E. Schelling, 228 West 4th St., $47,000. Noted Aug. 6.

Que., Quebec—Quebec Harbor Comn., dredging and harbor developments, at Wolfe's Cone. to Northern Constr. Co., Ltd., 286 St. James St., Montreal, $2,500,000.

Streets and Roads

PROPOSED WORK

Mass., Boston—City Planning Bd., plans laying out and constructing Auburn St., in West Roxbury, $25,000., and constructing Linwood Pl. as highway in Charlestown, $25,000. J. F. Sullivan, secy.

Mass., Boston—Dept. Pub. Wks., plans asphalt paving Massachusetts Ave. To exceed $25,000, widening and constructing Chardon St. $35,000, laying out and constructing Stratton St. in Dorchester. $25,000. J. A. Rourke, comr.

Mass., Brighton (Boston P. O.)—Street Layingout Dept. Boston, plans constructing Cufflin St. here. $25,000. J. F. Sullivan, secy.

Mass., Everett—Plans reconstructing and improving 2nd, Courtland, Spring and Hancock Sts. To exceed $25,000. Bd. Aldermen, City Hall, engr.

Mass., West Roxbury (Boston P. O.)—Street Layingout Dept., Boston, plans widening and reconstrucing of Morton St. To exceed $25,000. J. F. Sullivan, secy.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, rejected bids Aug. 5, concrete curb, steel guard, etc., Fingerboard Rd., etc., work will be readvertised. Noted Aug. 13.

Pa., Waynesburg—Election Sept. 18 to vote $250,000 bonds street improvements. K. W. Scott, secy.

W. Va., Morgantown—Battelle Dist. plans election Aug. 29, $360,000 bonds for roads in Monongalia Co. $360,000. A. J. Baritell, Morgantown, engr.

W. Va., Philippi—Barbour Co. plans grading, draining 2 mi. Brushy Fork Project 5, Brushy Fork-Clarksburg Rd., 18 ft. $36,000; 2 mi. Ford Run Project 6, Morrall-Meridan Rd., $36,000; grading, draining and paving 6 3/4 mi. Astor-Galloway-Berryburg Rd. $200,000; grading and surfacing 1 1/2 mi. River Bend Project 7, Waddell Mines Rd., $36,000. R. K. Johnson, Philippi, engr.

La., Baton Rouge—Voted $50,000 bonds for graveling 17 mi. various roads in Sub-Road Dist. 4. Noted July 23.

La., New Orleans—Comn. Council plans permanent paving 28 streets, and graveling 12 streets, here.

Tenn., Brownsville—Voted $80,000 bonds for improving various streets.

O., Cincinnati—Plans improving Western Ave., 18,400 sq.yd. granite block paving, 300 sq.yd., sheet asphalt, 2,200 cu.yd. concrete, 4,900 lin.ft., granite curbing, and 5,000 sq.ft., cement sidewalks, $131,491, 3d St., 13,900 sq.yd. granite block paving 2,000 cu.yd. concrete, 3,000 lin.ft., granite curbing and 7,000 sq.ft., cement sidewalks. $115,481. F. Krug, City Hall, engr.

O., Cleveland—Election Nov. 3, $3,000,000 bonds paving 50 mi. various streets. R. Hoffman, City Hall, engr.

O., Columbus—City making plans, grading, laying necessary water services and sewer connection and paving with (a) asphalt and (b) brick, 1,395 ft., Park Ave., 24 ft., (a) $27,211, (b) $31,446, 1,395 ft., Eureka Ave., 24 ft., (a) $23,738 (b) $28,006, 1,338 ft., Warren St., 26 ft., (a) $23,742, (b) $27,586, 1,620 ft., Racine Ave., 24 ft., (a) $25,239, (b) $29,435, 738 ft. Thurlow Ave., 24 ft., (a) $8,976, (b) $12,006. R. H. Simpson, city engr.

O., Wooster—Wayne Co. takes bids in the fall, improving 1 mi. Lincoln Highway through Dalton. $50,000.

O., Youngstown—Soon takes bids widening West Rayen Ave., 39 to 40 ft. $40,000. R. L. Turner, Youngstown, engr.

Mich., Detroit—Plans 3½ in. asphalt on 8 in. concrete paving 9,075 sq.yd. Vernor Ave. from Wetherby to Sanger Aves. $39,470, 880 sq.yd. Wildmere Ave. from Chicago Blvd. to Rochester Ave. $4,610, 13,810 sq.yd. Jos. Campau Ave. (Sect. 1) from Davison to Jerome Aves. $60,230, 25,405 sq.yd. Jos. Campau Ave. (Sect. 2) from Jerome to Conant Aves. $110,700, 2,510 sq.yd. Goldsmith Ave. from Waterman to Beard Aves. $11,250. P. A. Fellows, city engr.

Mich., Menominee—City, A. B. Siegel, clk., making plans grading and concrete paving drives and walks in Riverside Cemetery. $25,000. T. R. Hasley, City Hall, engr.

Ill., Aurora—Soon takes bids grading, curbing and hard-surfacing, etc. various streets. $180,000. W. E. Deuchler, city engr.

Ill., Carlyle—City soon takes bids grading, curbing and concrete paving, etc., approximately 12,000 sq.yd. Fairfax, 8th, 9th, 10th and 11th Sts. $44,782.

Ill., East St. Louis—Made plans grading, curbing and hard surfacing Missouri Belt R. R. tract to 10th St., 8th St. from Bond St. to Bway., 4th, 5th, 6th, Trendley, 13th St., State Sts., etc. W. McK Brown, City Hall, engr.

Ill., East St. Louis—Making preliminary plans grading, curbing and brick or asphalt on concrete paving, etc., 15th St. between Bond St. and Illinois Ave. $50,000. W. McK. Brown, City Hall, engr.

Ill., East St. Louis—Soon takes bids grading, curbing, widening and surfacing St. Clair St. between Collinsville and 10th Sts. $33,000. W. McK. Brown, City Hall, engr.

Ill., Highland Park—Plans integral curbing, concrete paving, etc., 36,162 sq.yd. various streets in southeast section. $300,000. Windes & Marsh, Winnetka, engrs.

Ill., Pekin—Making plans improving 1,900 ft. 10th and Winter Sts. 3,592 ft. concrete curbing, 4,170 cu.yd. earth excav., 6,264 sq.yd. rein.-con. paving, etc., 30 ft. wide. $25,000. B. S. Smith, City Hall, engr.

Ill., Peoria—Plans grading, curbing and concrete paving, etc., Greenlawn St. between Washington and Adams Sts.; brick paving, etc., West Nebraska between Knoxville and North Sts.; and asphalt paving, etc. New St. between Brotherson St. and Lincoln Ave. $50,000. W. E. Backes, city engr.

Ill., Rockford—Making plans grading, curbing and concrete paving, etc., approximately 2 mi. 15th and 18th Sts. and 12th and 13th Aves. $158,000. B. C. Howey, City Hall, engr.

Ill., Rockford—Making plans grading, curbing and repaving, etc., 3 blocks East State St., 46 ft., brick 39,970 Warrenite $36,090, or concrete $31,100. B. C. Harvey, city, engr.

Ill., Rockford—Plans grading, curbing and repaving, etc. 3 blocks West State St. with brick, $40,190; Warrenite $36,340; concrete $31,830. B. C. Harvey, City Hall, engr.

Wis., Manitowoc—A. Zander, city clk., making plans paving Wollmer St. between 22nd and 23rd Sts., Division St. between 10th and 14th Sts., Washington St. between 25th and 26th Sts., 26th St. between Custer St. and Western Ave., Franklin St. between 16th and 17th Sts., 21st St. between Washington St. and Western Ave. and 17th St. between Washington and Franklin Sts. To exceed $25,000. F. Alter, City Hall, engr.

Minn., Faribault—Making plans paving, etc., 8 blocks Central Ave. $30,000.

Kan., Erie—Neosho Co. constructing Federal Aid Project 308 and Federal Aid roads north and east of Chanute, has been postponed. C. P. Donald, Erie, engr. Noted Mar. 19.

South Dakota—State Highway Comn., Pierre (**F.A.P. means Federal Aid Project**), plan graveling about 12 mi. F.A.P. 172C Walworth Co., from Java to East Co. Line, about 18 mi. F.A.P. 172B, Edmunds Co., from Roscoe to West Co. Line

Missouri—State Hy. Dept., Jefferson City, rejected bids July 24, 16 ft. gravel surfacing 4.802 mi. Mexico-Paris Rd., Audrain Co.; grading and 18 ft. concrete paving 3,379 mi. Oregon-Savannah Rd., Holt Co.; also grading and 18 ft. penetration macadam paving 3.339 mi. Jefferson City-Kansas City Rd., Pettis Co. B. H. Piepmeier, highway engr. Noted July 16.

Mo., Clayton—City Clerk, postponed, indefinitely, bids Aug. 11, improving Hanley Rd., 10,290 cu.yd. grading, 10,625 ft. curbing, and guttering, 15,700 sq.yd. macadam first base, 19,700 sq.yd. second base, 19,700 sq.yd. asphalt surfacing, etc., $77,000. Keck Surveying Co., 721.5 Chestnut St., St. Louis, engr. Noted July 9.

Mo., Clinton—Making preliminary plans grading, curbing and vibrated concrete paving 9 blocks East Grand and East Green Sts.

Mo., Kansas City—Making plans concrete paving 23d St. traffic way. $25,000. P. McGeehan, city engr.

Mo., Lebanon—W. E. Ford, city clk., takes bids about Aug. 25, grading, curbing and asphaltic concrete paving 16,500 sq.yd. various streets. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs. Noted Aug. 6.

Mo., Maitland—Making preliminary plans grading, curbing, and 7 in. concrete paving, etc., 1,500 ft. various streets, 42 ft. wide. Shockley Engr. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Mo., St. Louis—W. W. Horner, city engr., making plans rein.-con. paving, etc., Compton St. between Fassen and Eichelberger Sts., $6,600; asphaltic concrete, Warrenite or sheet asphalt paving, etc., Plover St. between Theodore and Prange Sts., $24,100 to $26,300; asphaltic concrete, Warrenite, sheet asphalt or vitr. brick paving, etc., Edwards St. between Columbia and Southwest Aves., $17,700 to $21,500, Pennsylvania Ave. between Bates and Fassen Sts., $5,300 to $6,450, and Pennsylvania Ave. between Davis and Steins Sts., $31,850 to $41,450; asphaltic or rein.-con. paving, etc., Newby St. between Gimblin and McLaren Sts., $13,600 to $14,000, Wall St. between Newby and Church Sts., $9,600 to $10,300, San Juan St. between Christian and Thrush Sts. $6,800 to $7,400, Theodore St. between Euclid Ave. and Kingshighway, $11,900 to $12,300; Warrenite, vitr. brick or asphalt paving, etc., Cora St. between Ashland Ave. and Natural Bridge, $16,650 to $19,300, Compton St, between Arsenal and Gravois Sts., $32,200 to $36,600, Tennessee Ave. between Wilmington and Iron Sts., $14,400 to $15,700, and Tennessee Ave. between Iron and Kansas Sts., $10,500 to $11,000.

Mo., St. Louis—Bd. Pub. Service making plans grading Idaho Ave. between Robert Ave. and Loughborough St., $7,900; Warrenite or asphalt paving, etc., Wydown St. from Skinker St. to city limits, $12,400 to $12,800, Randolph St. from Jefferson Ave. west, $13,600 to $13,800; (a) shallow granite block (b) Warrenite (c) asphalt (d) vibrolithic concrete (e) rein.-con. (f) asphaltic concrete paving, etc., Randolph St. between 21st St. and Jefferson Ave. (a) $48,600 (b) $36,600 (c) $36,600 (d) $36,500; Walnut St. between 20th St. and Jefferson Ave., (a) $53,100 (b) $39,300 (c) $40,200 (d) $39,300; Walnut St. between Jefferson Ave. and Leffingwell St., (a) $26,800 (b) $19,800 (c) $20,000. (d) $20,300; Eugenia St. between 20th St. and Jefferson Ave. (a) $56,000 (b) $41,500 (c) $42,300 (d) $43,100; Walnut St. between Leffingwell and Ewing Sts., (b) $8,800 (c) $8,800 (e) $8,300 (f) $8,200; Clark Ave. between Jefferson Ave. and Compton St., (a) $70,000 (b) $52,100 (c) $52,700; Bernard St. between Jefferson Ave. and Ewing St., (e) $21,300 (f) $20,200; Adams St. between 21st and 23rd Sts., (c) $20,000 (e) $20,200; Missouri St. between Park Ave. and Chouteau St., (e) $19,100 (f) $18,500 (c) $20,200 (b) $20,000; 10th St. between Park Ave. and Allen St., (c) $54,400 (b) $53,800 (d) $53,500. W. W. Horner, city engr.

Mo., St. Louis—Bd. Pub. Serv., making plans grading Alaska Ave. between Tesson St. and Koeln Ave., $51,000; grading and brick paving, etc. Scott Ave. from Taylor Ave. west, $20,000; grading and Warrenite, or asphalt paving, etc. Clara St. between Greer St. and Natural Bridge Ave., $15,000; grading and asphalt or rein.-con. paving, etc. Magnolia St. between Kings highway and Hereford Sts. $21,700 to $23,500. Sexauer St. between Carter St. and Kingshighway, $7,100 to $7,480; grading, curbing, vitr. brick, rein.-con., asphaltic concrete, Warrenite or asphalt paving, etc. Beck Ave. between Missouri Pacific R.R. tracks and Morganford Rd. $15,900 to $19,100, Harvey Ave. between Thrush St. and Kingshighway N. W. $32,500 to $40,000, Thekla St. between Emerson and Thrush Sts. $24,000 to $29,300, Lucille St. from Mimika St. to city limits, $18,700 to $19,150. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Making preliminary plans grading and paving alleys in City Blocks 4054 A, 4849 W, 5132, 5134, 5205, 5206, 5529, 5542, 5554 and 5569, concrete $33,120, or brick $54,790. W. W. Horner, City Hall, engr.

Mo., St. Joseph—Made plans concrete paving 20 streets. $127,500. W. K. Seitz, city engr.

Texas—State Highway Dept., Austin, making preliminary plans and surveys for new highway between San Antonio and Austin. $60,000 per mile, and asphalt resurfacing approximately 40 mi. San Antonio-Austin Rd. $100,000. F. Hutson, div. engr.

Texas—State Hy. Dept., Austin, plans brick, concrete and asphalt paving about 35 mi. State Highway, Hardeman Co., from Wiebarger Co. line to Childress Co. line. $900,000. Address Co. Engr. Hardeman Co.

Texas—State Hy. Comn., Austin, takes bids after Sept. 1, asphalt surfacing 11.55 mi. Unit 2, Sect. A San Antonio-Del Rio Highway, State Highway 3, Federal Aid Project 270, Bexar Co., $75,000; also Uvalde rock asphalt topping 7.85 mi. Highway 1, Sta. 1312 to Uvalde Co. Line, $47,000. Walton & Arneson, Gunter Bldg., San Antonio, engrs.

Tex., Albany—Shackelford Co. plans concrete paving and bridging 18.17 mi. State Highway 1-A, Federal Aid Project 495, $59,000. J. E. Perie, Albany, engr.

Tex., Anson—Jones Co., plans grading, bridging and asphalt paving 15.73 mi. State Highway 83, State Aid Project 598-A. $230,000, also 15.79 mi. State Highway 83, State Aid Project 598-B. $380,000. T. H. Landon, Anson, engr.

Tex., Baird—Callahan Co. takes bids after Aug. 25, grading, bridging and bituminous macadam on sledged stone paving 5.47 mi. State Highway 1, Federal Aid Project 52-D. $106,650. T. H. Webb, Baird, engr.

Tex., Bastrop—Election Aug. 31, to vote $300,000 bonds constructing roads in Road

Streets and Roads (Continued)

Dist., (Precinct) 3. A. Schlafle, La Grange, div. engr.

Tex., Hondo—Medina Co. takes bids after Sept. 1, rock asphalt topping 10.47 mi. highway Sect. C from Sta. 685 to Sta. 1312, 18 ft., near here. $62,000. Walton & Arneson, Gunter Bldg., San Antonio, engrs.

Tex., San Antonio—A. C. Pancoast, engr. Bexar Co., takes bids about Aug. 25, asphalt paving 2½ mi. Somerset Rd. $28,000. A. McCloskey, Co. judge.

Tex., San Antonio—A. C. Pancoast, 102 Turner St., engr. Bexar Co., takes bids about Aug. 25, asphalt paving 6½ mi. Palo Alto Road from Somerset Rd. to Medina River. $60,000.

Tex., San Antonio—Election soon $200,000 bonds paving various city streets. I. Ewig, City Hall, city engr.

Tex., San Diego—Duval Co., plans clearing, grading, bridging and concrete paving 13.33 mi. State Highway 12-A Federal Aid Project 424-J, $304,000, also grading, bridging and concrete paving 3.98 mi. State Highway 12-A. Federal Aid Project 436-F. $83,500. F. E. Hess, San Diego, engr.

Tex., San Diego—Duval Co. making plans grading, rock asphalt on lime stone surfacing, bridging, etc., 10.02 mi. State Highway 12-A, Federal Aid Project 424-G and 15.76 mi. Federal Aid Project 424-E. $215,700 and $367,000 respectively. F. E. Hess, engr. Noted July 16.

Tex., Sherman—Plans election to vote $5,800,000 bonds for road construction in Grayson Co., R. M. Carter, co. judge.

Tex., Texas City—Voted $130,000 bonds paving 6th St. Forsgard & Davis, City Hall, engrs. Noted July 2.

Tex., Waco—Election Sept. 22, $250,000 bonds, paving various streets. Engineer not announced.

Tex., Waco—McLennan Co., plans election soon to vote $2,800,000 bonds improving 250 mi. highway, State and Federal Aid Projects.

Tex., Yoakum—DeWitt Co., election soon to vote on $150,000 to $200,000 bonds highway improvement in Road Dist. 1.

Tex., Uvalde—Uvalde Co. takes bids after Sept. 1, bituminous topping 15 mi. State Highway 3, from Medina Co. line, $25,000, M. B. Hodges, Uvalde, engr.; and rock asphalt surfacing 14.16 mi., State Highway 3, Federal Aid Project 289, Unit 2, $80,000. M. E. Savage, resident engr.

Wash., Seattle—Clerk King Co. takes bids about Sept. 8, concrete paving 1.5 mi. Panther Creek Rd., 20 ft.; and 1.5 mi. 85th St., 18 ft. $55,000. T. R. Beeman, city engr.

California — Sacramento (Sacramento) and Contra Costa (Martinez) counties making plans constructing 12 mi. highway in Delta Section, Sacramento River, Hy. C. W. Deterding, Jr., Court House, Sacramento, engr.

Calif., Chico—Plans concrete paving 63 blocks, various alleys. $25,000. R. Witt, city engr.

Calif., Merced—Merced Co. rescinded contract for asphaltic concrete paving 16 mi. Rd. Dist. 8, Stevinson-Hilmer Sect. Noted July 30.

Calif., San Diego—Common Council plans improving Wing St., Chatsworth Blvd., etc. incl. 22,237 cu.yd. excav., 9,514 cu.yd. embankment, 340,686 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous paving, 86,139 sq.ft. concrete sidewalk, 16,355 lin.ft. concrete curbing, 1,485 sq.ft. guttering, etc. F. A. Rhodes, city engr.

Calif., San Rafael—Plans curbing, guttering, 150,000 sq.ft. 2 in. Durite asphaltic concrete on 6 in. paving, and 2 in. Durite asphaltic concrete on 7 to 9 in. concrete paving 30,320 sq.ft. Toll Rd., 3d St., Lincoln Ave., etc.

Calif., Sebastopol—Making plans 3 in. Willite asphaltic concrete paving 135,000 sq.ft. Vine, Maple Sts., etc. C. Mueller, city engr.

Ont., Toronto—Plans asphaltic concrete on concrete paving ½ mi. road in Exhibition Park. $43,981. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans asphalt on concrete paving Mount Pleasant Rd., $206,573, York St. $12,287; asphaltic concrete on concrete base, Garfield Ave. $9,187, Craven Rd., $62,035, Edna Ave. $7,839, concrete paving Lane 1st. north of Bloor St., $6,106, concrete curbing Mount Pleasant Rd. $6,023, grading Lane east of Greenwood Ave. $7,400. Total $325,000. R. C. Harris, City Hall, engr.

BIDS DESIRED

Massachusetts—Aug. 25, by Dept. Pub. Wks., Boston, bituminous macadam surfacing 2,840 ft. highway in Webster, 2,033 ft. in Dighton, 29,495 ft. in Middleborough, 2,340 ft. in West Boylston, 3,250 ft. in Millis, 3,950 ft. in Ashburnham, and 16,135 ft. in Wareham; bituminous macadam and rein.-con. paving 10,027 ft. in Seekonk, Rehoboth and Swansea, graveling 4,000 ft. in Norfolk; and concrete bridge and approaches on 980 ft. highway in Barnstable. W. F. Williams, comr.

Mass., Boston—Aug. 25, by Dept. Pub. Wks., recut granite block paving Meridian St. from Maverick to Lexington Sts., East Boston. $26,000 bonds. J. A. Rourke, comr.

New York—Sept. 4, by A. W. Brandt, comr. Highways, Albany, grading Conduit Blvd., Parts 1 and 2, Kings and Queens Counties; adv. E. N.-R. Aug. 20.

N. Y., Auburn—Aug. 25 by J. P. Jaeckel, city mgr., City Hall, paving, etc., Park Ave. M. F. Dullea, city engr.

N. J., Burlington—Aug. 28, by Common Council sheet asphalt paving East Federal St. $25,000. B. A. Sleeper, 304 West Union St., engr. Noted Aug. 7.

N. J., Freehold—Sept. 9, by Bd. Freeholders, Monmouth Co., rein.-con. paving 0.21 mi. Church St., Keansburg Rd. 63. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Aug. 20.

N. J., Hutchinson's Mills (mail Mercerville)—Aug. 25, by Freeholders Mercer Co. (Trenton) concrete paving, etc. 12,480 sq.yd. Hutchinson's Rd., on outskirts of Trenton. $45,000. H. F. Harris, Trenton, engr.

N. J., New Brunswick—Aug. 25, by Directors, Middlesex Co., grading and rein.-con. paving 3,596 sq.yd. main drive at New Jersey State Agricultural College. W. G. Sloan, Trenton, engr.

Pa., Phila.—See "Sewers."

N. C., Elizabeth City—Sept. 1 by Pasquotank Highway Comn., hard surfacing 3 mi. Project 4, Simonds Creek Rd.; adv. E. N.-R. Aug. 20.

Ga., McRae—Aug. 29, by R. Oberly, city clk., concrete sidewalks, asphalt, concrete or brick surfacing 15,000 sq.yd. various streets. O. H. Lang, Moultrie, engr.

Fla., Gulfport—Aug. 25, by W. W. Swift, city clk., grading, curbing and brick or asphalt paving 70,000 sq.yd. various streets. $175,000.

Fla., La Belle—Sept. 8, by Comrs., Hendry Co., constructing 79.5 mi. highway. J. H. Caldwell, co. engr., adv. E. N.-R. Aug. 20.

Fla., Sarasota—Sept. 7, by Bd. Comrs., Sarasota Co., various types hard surfacing, etc., 134 mi. of 34 projects in Sarasota Co. N. G. Corson, acting co. engr., adv. E. N.-R. Aug. 20.

Fla., Tampa—See "Unclassified."

Louisiana—Aug. 25, by State Hy. Comn., Reymond Bldg., Baton Rouge, grading and graveling or shell surfacing 5 mi. Regio-de-la-Croix Island Highway, State Project 493, St. Bernard Parish. W. B. Robert, highway engr.

Louisiana—Sept. 10, by State Hy. Dept., Reymond Bldg., Baton Rouge, constructing 2 timber bridges, one on Vinton-Orange Highway, Federal Aid Project 43-D, Unit 4, Calcasieu Parish; and Lake Lafourche Bridge, on Oak Ridge-Rayville Highway, between Morehouse and Richland Parishes. State Aid Porject 93-B. W. B. Robert, highway engr.

Tenn., Jellico—Aug. 28, by City Recorder, grading, curbing, guttering and rock asphalt on macadam surfacing 5,400 sq.yd. various streets. A. B. Hargis, Jellico, engr.

Ohio—Aug. 21 by Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving, etc., 3.362 mi. Sect. A-1 and 3.095 mi. Sect. A-2, Dennison-National Rd., Belmont Co., $46,155 and $46,980 respectively, substructures and superstructures on Sect. T and U, Ohio River Rd., Brown Co., $41,245 and $49,531, delivering slag and gravel Sects. G, H, I, J and Antioch, Woodsfield-Sisterville Rd., Monroe Co. $42,770, painting bridge on Sect. M, Ohio River Rd., Scioto Co. $9,750, furnishing, etc., brick, on Sect. M, Akron-Wooster Rd., Summit Co., $5,962, brick, Sect. M, Akron-Wooster Rd., Summit Co., $16,632.

O., Cleveland—Aug. 22, by Comrs., Cuyahoga Co., vitr. brick paving, etc., 38,950 sq.yd., Cedar Rd., 6, concrete $242,393, brick $322,200, 9,940 sq.yd. Mastick Rd., concrete $86,207, brick, $96,000, 41,250 sq.yd. Harvard Rd., concrete $255,680, asphalt $273,985, and brick $283,300, 11800 sq.yd. Hall Rd., concrete $51,000. F. Lander, Court House, engr.

O., Massillon—Aug. 25, by Bd. Control, improving East Walnut St. $45,000, and Clay St. $27,000. C. E. Rice, Massillon, engr. Noted Jan. 15.

Michigan—Aug. 24, by State Hy. Dept., Saginaw, concrete paving 6.078 mi. Federal Aid Project 206, Sect. A, Saginaw Co. G. C. Dilman, state hy. engr.

Ill., Cairo—Aug. 31, at City Clerk's office, 609 Ohio St., sewering, filling and paving Park Ave. G. F. Dewey, city clk.; adv. E. N.-R. Aug. 20.

Ill., Evanston—Dept. Local Impvts., City Hall, taking bids and opens same about Aug. 25, concrete paving Dodson St. between Ridge Ave. and Barton St., Colfax St. between Lincoln Wood and Central Park Ave., Central Ave. between Simpson and Central Sts., Carroll Ave. between Crane and Greenwood Sts., Ingleside Ave. from Sheridan Rd. east, and Gray Ave. between Church and Emerson Sts., $160,570, also 4 alleys, $26,116; sewers in Pitner and Dempster Sts., etc. $16,700.

Wis., Wauwatosa—Aug. 28, by A. V. Brigham, city clk., rein.con., paving, etc., 8,000 sq.yd. 59th St., 5,075 sq.yd. North Main St. and 1,950 sq.yd. Forest St.

Minnesota—Aug. 25, by State Hy. Dept., St. Paul. **(S. P. means State Project, F.A.P. means Federal Aid Project and Sect. means Section)**, $20,000 cu.yd. excav. and constructing Bridge 4462 on S.P. 3-48, Sect. 1, F.A.P. 377, $30,000; gravel surfacing 14,300 cu.yd. Hayfield-Dodge Center Rd., S.P. 56-24, Sect. 1, F.A.P. 359, $25,000, 18,000 cu.yd. S.P. 59-22, F.A.P. 359, $30,000, 8,400 cu.yd. S.P. 67-22, $28,000 and 4,900 cu.yd. S.P. 67-21, $30,000.

Minn., Minneapolis—Aug. 31 (extended date), by Auditor Hennepin Co., improving 3.95 mi. Parkers Lake-Long Lake Rd., State Aid Rd. 17, Project 25-57-A, County Rd., 6, 38.951 cu.yd. earth, 1,400 cu.yd. loose and 500 cu.yd. solid rock excav., 2,000 cu.yd. undesignated excav., 47,340 cu.yd. overhaul, etc. $39,676. J. W. Shaffer, co. surv. Noted July 30.

Minn., Sleepy Eye—Aug. 25, by City, paving, etc. 17,500 sq.yd. Main St. $45,000. C. L. Pillsbury Co., 2344 Nicollet Ave., Minneapolis, engrs. Noted July 16.

Kan., Junction City—Aug. 24, by T. W. Dorn, city clk., curbing, guttering and 7 or 8 in. concrete, 6 in. rein.-con., vibrolithic concrete, 3 in. brick on 5 in. concrete or 2 in. asphaltic concrete on 6 in. concrete surfacing 25,900 sq.yd. various streets.

Neb., Holdrege—Sept. 1, by I. Anderson, city clk., improving Dists. 16, 17, 18 and 19, 10,700 cu.yd. excav., 31,650 sq.yd. 6 in. concrete paving, 21,150 ft. curbing and guttering, 1,220 sq. yd. gravel surfacing, etc. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Neb., Omaha—Sept. 2, by B. Crawford, judge Douglas Co., grading and paving Rd. 51 west to Rd. 32. $85,000.

North Dakota—Aug. 27, by State Hy. Comn. and Bd. Comrs. La Moure Co., Court House, Lamoure, graveling, etc. 7.989 mi. road from Verona south and west, Federal Aid Project 93.

North Dakota—Aug. 28, by State Hy. Comn., and Comrs. Richland Co., Court House, Wahpeton, graveling, etc. 7.44 mi. road east of Hankingson, F.A.P. 59 A, 0.869 mi. in Hankingson, F.A.P. 287B, 0.203 mi. and in Wahpeton, F.A.P. 285 A and 286 A, respectively, 7.97 mi. road east and west of Moreton, F.A.P. 71.

North Dakota—Sept. 1, by State Hy. Comn. and Bd. Comrs. Towner Co., Court House, Cando, graveling 13,354 mi. road east and west through Ellesberry, Federal Aid Project 179 A and B.

N. D., Valley City—Sept. 8, by City and State Hy. Dept., City Hall, paving, etc. 0.08507 mi. 1st St., and 0.1198 mi. Main St. W. T. Craswell, city aud.

Wyo., Worland—Roads—Aug. 25, by Dept. Agriculture, 301 Custom House, Denver, Colo., clearing, grubbing and grading 3.2 mi. Forest Road Project, Buffalo-Tensleep Rd., Wishikie Co. $25,000. J. W. Johnson, 301 Custom House, Denver, Colo., engr.

Missouri—Aug. 28, by State Hy. Dept., Jefferson City, 167.913 mi. grading, 19.159 mi. 30 ft. grading, 18.362 mi. 9 ft. and 156.222 mi. 18 ft. concrete paving, also 22.908 mi. 18 ft. gravel surfacing, etc., roads in various counties. B. H. Piepmeier, highway engr.

Mo., St. Louis—Sept. 15, by Bd. Pub. Serv., 208 City Hall, grading, concrete paving, etc. various streets. $26,560. W. W. Horner, city engr.

Tex., Edinburgh—Sept. 22, by Commissioners Court, Hidalgo Co., at office County Judge, constructing flood control works. P. S. Devine, Pharr, engr.; adv. E. N.-R. Aug. 20.

Tex., Sanderson—Terrell Co., taking bids grading and bridging 5.56 mi. State High-

Streets and Roads (Continued)

way 3, Federal Aid Project 324-D. $60,000. J. Stovall Sanderson, engr.

Tex., Uvalde—Taking bids grading and gravel on asphalt paving, etc., all unpaved streets. $90,000.

Nevada—Aug. 26, by State Hy. Dept., Carson City, improving 13.83 mi. Route 2, Sect. A-2, Eureka Co., 66,000 cu.yd. unclassified excav., 11,113 sta.yd. overhaul, 16,300 cu.yd. crush, screen and load gravel, 38,000 yd. mi. haul gravel, 15,300 cu.yd. spread gravel, etc., 0.145 mi. Route 2, Sect. C, Eureka Co., 2,900 cu.yd. excav., 5,000 sta. yd. overhaul, etc.; and 0.307 mi. Route 1, Sect. A-4, Lander Co., 760 cu.yd. excav., 3,238 sq.yd. concrete pa ing, 2,500 cu.yd. screen, load and spread gravel, and 4,125 yd. mi. haul, etc. G. W. Borden, highway engr.

Washington—Sept. 1, by State Hy. Dept., Olympia, grading, etc., 4.9 mi. Pacific Highway, King Co.; clearing, grading, etc., 2.7 mi. Ocean Beach Highway, Cowlitz Co., and 7.5 mi. State Rd. 21, Kitsap Co.; grading, gravel or crushed rock surfacing, etc., 2.8 mi. Olympic Highway, Jefferson Co.; concrete paving 0.5 mi. Pacific Highway, Snohomish Co.; gravel or crushed rock resurfacing 10 mi. North Bank Highway, Klickitat Co. J. W. Hoover, highway engr.

Calif., San Diego—Aug. 31, by A. H. Wright, city clk., curbing and 1½ in. asphaltic concrete on 5 in. concrete paving 115,637 sq.ft. Barnett Ave. F. A. Rhodes, city engr. Noted July 16.

Ont., Ottawa—Aug. 28, by Bd. Control asphaltic concrete paving St. Patrick St. from Dalhousie to Chapel St. $160,000. A. J. Macallum, City Hall, engr. Noted Dec. 25, 1924.

BIDS RECEIVED

N. H., Stratham—Newfields Co., cut stone and concrete-piers and abutments on highway, from Ring Constr. Co., 113 Summer St., Bangor, Me., $42,926.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 4,010 ft. highway in Rockport, from Welch & Moynihan, 15 Front St., Salem $23,374, 6,264 ft. highway in Orange, from R. H. Newell Co., Uxbridge $57,311, 1,874 ft. highway in Avon, from Power Bros., 161 Montello St., Brockton, $9,621; concrete and bituminous concrete surfacing 5,425 ft. highway in Arlington, from J. H. Fannon, 28 Hinckley St., Somerville, $71,538. Noted Aug. 3.

Mass., Boston—Dept. Pub. Wks., recut granite block paving Eastern Ave., Battery and Bromfield Sts., from M. F. Gaddis, 6 Beacon St., Boston, $27,074. Noted Aug. 13.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Chelmsford St. and North Monroe Terrace, here, from H. F. Malley, 174 Hillside Ave., Dorchester, $24,464. Engrs. est. $25,000. Noted Aug. 13.

Rhode Island—State Bd. Pub. Rds., State House, Providence, sheet asphalt and concrete paving 1.35 mi. Contr. 2510, Federal Aid Project 22, Warren and Pawtucket Aves., East Providence, from New Haven Road Constr. Co., New Haven, $57,439; waterbound macadam surface treating 1.86 mi. Contr. 2512, Federal Aid Project 27, East Main Rd., Tiverton-Little Compton, from J. McCormick, East Providence, $73,000, and 1 mi. Stafford Rd., Contr. 2511, Tiverton, from Hudson Constr. Co., Newport, $18,143. Noted July 30.

New York—C. W. Brandt, comr., Highway, Albany, Aug. 7, **(e.e. means engineer's estimate, R.C. means Repair Contract)** from S. J. Groves & Sons Co., Duncannon, Pa., constructing, 6.72 mi. Highway 8225, Dresden Station—Putnam, Washington Co., $262,472, e.e. $337,293, 3.89 mi. Highway 692, R.C. 3122 and R.C. 3121, Loon Lake—Pottersville-Taylors, Warren Co., $171,834 and $144,042 respectively, e.e. $212,461, and $177,623 respectively; 8.61 mi. Highway 8227 Seventh Lake-Blue Mountain, Hamilton Co., $276,388, e.e. $368,436, from Connor Bros., 12 Park St., Long Beach, 12.14 mi. Highway 8229, parts 1 and 3 and 1719 part 4, Mattituck-Greenport, Suffolk Co., $500,266, e.e. $694,035; from Immick Co., Meriden, Conn., 1.53 mi. Highway 5231 Yonkers-White Plains, Westchester Co., $82,349, e.e. $107,378; from Hogeboom & Vampfield, Inc., Kingston, 1.71 mi. Highway 761, Deansboro-New Hartford and Highway 877, Clinton Village, Oneida Co., $74,846, e.e. $94,299, from Lane Constr. Co., Meriden, Conn., 4.67 mi. Highway 8226, Milford-Roseboom, part 3, Otsego Co., $224,478, e.e. $292,679; from W. T. Thayer & Co., Chateaugay, 2.27 mi. Highway 5707, Tupper Lake Village, Franklin Co., $95,242, e.e. $107,396; from Carchia & Menaguale, Stockbridge, Mass., 5.03 mi. Highway 1564, Sunnyside-Stuyvesant, and Highway 5104, Stuyvesant-Falls-Valatie, Columbia Co., $280,000, e.e. $346,758; from P. H. Murray, Cutler Bldg., Rochester, 5.74 mi. Highway 8223, Pittsford Victor, Monroe & Ontario Counties, $264,197, e.e. $345,005; from Huston & Burns, Burnette, 5.75 mi. Highway 8224, Lockwood-Van Etten, parts 1 and 2, Tioga and Chemung Counties, $154,048, e.e. $216,181; from C. A. Foote & Son, Mt. Morris, N. Y., 8.27 mi. Highway 1716, Java Center-Waldo Corners-Smith Corners, Wyoming Co., $374,229, e.e. $466,924; from Canty, O'Neill & Candel, Inc., Buffalo, 8.7 mi. Highway 8228, Fillmore-Portageville, parts 2 and 3, Allegany and Wyoming Counties, $179,938, e.e. $269,293; from Armstrong & Trowbridge, Inc., Middletown, 11.86 mi. Highway 8230, Schroon Lake-Ticonderoga, part 2, Essex Co., $284,237, e.e. $375,159; from Garrison Contg. Corp., New York City, 8.35 mi. Highway 8231, Polenville-Catskill, Greene Co. $461,483, e.e. $571,407, from L. Mayersohn, Albany, 5.37 mi. Highway, Taylors-Schroon Lake Village, Essex Co., $189,428, e.e. $223,105. Noted July 30.

N. Y., Brooklyn—J. A. Guider, pres., Boro Hall, Aug. 12, from Uvalde Asphalt Paving Co., 1 Bway., New York City, asphalt paving Atkins Ave., $5,520, East 31st St., $8,025, East 34th St., $3,133, from Sicilian Asphalt Paving Co., 41 Park Row, New York City, asphalt paving and repaving, East New York Ave., $3,436, Grand Ave., $21,393, Livonia Ave., $2,931, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving, Ave. T, $3,314 8th Ave., $59,071, 12th Ave., $9,416, 17th Ave., $5,483, 19th Ave., $3,092, 89th St., $7,404, 90th St., $4,590, from B. Turecamo Contg. Co., 8706 Bay 12th St., Colonial Rd., $4,504, from F. L. Gallagher, 490 Park Place, concrete paving on granite Junius St., $4,049, granite paving Portal St. $21,535, from C. Bennett Contg. Co., 414 Rutland Rd., grading, curbing and flagging Brooklyn Ave., $2,531, 47th St., $6,757, from Grimm Contg. Co., 170 McKinley St., 31st St., 2,455, 12th Ave., $2,753, 17th Ave., $1,490, from J. M. Mandatto, 129 29th St., East 20th St., $2,308, Ave. P, $2,257, Ave. T, $2,257 from W. J. McHale Contg. Co., 1250 Jefferson St., East 39th St., $3,205, from M. J. O'Hara, 1228 Park Ave., New York City, curbing, flagging and asphalt paving, 7th Ave., $4,359. Noted Aug. 6.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Aug. 10, Queens Subway Bldg., from Peace Bros., Inc., 57 North Lawrence St., Flushing, grading and laying sidewalks, etc., in Rockaway Blvd., $78,795, 59th Place, $396, from J. D'Amato, Rockaway Beach, Far Rockaway Blvd., $1,634, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Greenoak St., $12,752, Fremont St. $14,631, sheet asphalt paving, etc., Washington Ave., $16,190, from Welsh Bros. Contg. Co., 32 Queens Sta., Astoria, grading 59th (Holmes Ave.) Queens Blvd., etc., $14,835. Noted Aug. 6.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving, Richmond Ave. from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $34,687. Noted Aug. 6.

Pennsylvania—State Hy. Dept., Harrisburg, Aug. 11, **(R. means Route and A. means Application)**, compressed stone paving with Amiesite surface, 13,610 ft., A. 3217, Northumberland Co. from Lincoln Constr. Co., Strafford, $153,090, bituminous surfacing on broken stone, bituminous surface course or one course rein.-con., paving 3,544 ft., A. 3463, Berks Co., from W. R. Wolfinger, Norristown, $18,415, one course rein.-con. or bituminous surface course on concrete paving 1,910 ft., A. 3414, Erie Co., from Mayer Bros. Constr. Co., 312 Commerce Bldg., Erie, $18,875, one course rein.-con. paving 9,152 ft., R. 139, Dauphin Co., from S. J. Groves & Sons Co., Duncannon, $117,130, 9,958 ft., R. 199, Sect. 2, Schuylkill Co., to R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $93,335, 10,350 ft., R. 142 Sect. 4, Chester Co., from E. H. Ellis, 6017 Christian St., Phila., $99,938, 21,384 ft., R. 17, Sect. 6, Bradford and Sullivan Counties, from United Constr. Co., Lock Haven, $259,663, 37,189 ft., R. 212, Sect. 3, and 8, Bradford Co., from D. Schoentag, Inc., Saugerties, N. Y., $455,172, 21,600 ft., R. 150, Bucks Co., from A. DiRenzo, Bristol, $168,731, 8,811 ft., R. 163 Lehigh Co., from McInerney & McNeal, Inc., 703 Northampton Natl. Bank Bldg., Easton, $78,407, 17,109 ft., R. 189, Sect. 1, and R. 66, A. 3029, Armstrong Co., from M. Bennett & Sons, Indiana, $180,625, 5,469 ft., R. 123, Adams Co., from P. R. Hostetter Co., Inc., Summer St. and Western Maryland R.R., York, $40,460, 10,546 ft., R. 25, Snyder and Union Counties, from Lincoln Constr. Co., Strafford, $103,114. Noted Aug. 6.

Delaware—State Hy. Dept., Dover, Aug. 5, clearing, grubbing, etc., from Smyrna Cement Products Co., Smyrna, 1 mi. Contr. 55, White Oak Rd., 0.9 mi. clearing, $250, 0.9 mi. grubbing, $250, total $8,940, from McNichol Paving & Constr. Co., 1923 Cherry St., Phila., Pa., 3.73 mi. Contr. CK11, Blackiston's Cross Rd.-Clayton, 19,700 ft., metal joint, $0.15, or non-metal joint, $0.09, metal joint, $117,521, open joint, $116,339, 3.4 mi. Contr. CK29, Thompsonville-Dupont Rd., 17,930 ft., metal joint, $0.15, or non-metal joint, $0.09, metal joint $109,216, and open joint $108,139. Noted July 16.

Florida—State Rd. Dept., Tallahassee, Aug. 14, grading, etc., 71,250 cu.yd. road between Stas. 285 and 825, Project 669 B, Dade Co., from M. C. Winterburn, Inc., Jacksonville, $239,657. Noted July 16.

O., Akron—W. F. Peters, dir. Pub. Serv., July 29 **(e.e. means engineer's estimate)**, grading curbing, vitr. brick paving, etc., 8,215 sq.yd. Merriman Rd., from Shullo Constr. Co., 990 Chalker St., $75,253, e.e. $11,500, 2,380 sq.yd., Gridley Ave., from Columbus Asphalt Paving Co., 304 Buckeye Bldg., $14,025, e.e. $18,000, 1,060 sq.yd., Warner St., from H. Gilbert, 19 North Martha Ave., brick, $11,567, concrete, $10,302, e.e. $15,500, grading and cindering 4,600 cu.yd. Shaw Ave., et al, from M. Kalain, 573 Wilson St., $37,141, e.e. $48,300, installing boulevard street lighting system, in Elmdale Ave., et al, from Summit Constr. Co., c/o F. Gangl, Turkeyfoot Lake, $39,130, e.e. $43,000. Noted.

O., Cincinnati—Director Pub. Serv., improving 4,545 ft. Ludlow Ave., 10,700 lin.ft. each concrete curbing and guttering, 12,000 cu.yd. earth excav., 20,200 sq.yd. bituminous macadam and 2,169 lin.ft. 12- to 22-in. vitr. clay sewer from Scully Brehm Co., 1011 Atlas Bank Bldg., $206,081, engrs. est. $246,789. Granite block paving, etc. 14,000 sq.yd. Public Landing, from Cino Constr. Co., 221 West 9th St., $73,132, engs. est. $80,850. Noted July 30.

Michigan—State Hy. Dept., at office Comrs. Montcalm Co. July 24, graveling 5.71 mi. Trunk Line Rd. 43-11 A and B, and 5.375 mi. trunk line road 43-5 Sect. B and C from Montcalm Co. Rd. Comn., Stanton, $47,878 and $51,376. Noted July 16.

Michigan—State Hy. Dept., Mason, Aug. 3, at office comrs. Ingham Co. curbing, guttering and 0.341 mi. concrete paving Federal Aid Project 100, Sect. C, 42 ft. from A. M. Bartling, Alma, $24,901.

Michigan—State Hy. Dept., at office Comrs. Newaygo Co., White Cloud, concrete paving 2.625 mi. State Trunk Line Rd. 54-16, from Whitlow & Hobeck, Muskegon, $69,714, also 1.015 mi. trunk line 54-15 from J. R. Edelman, Muskegon, $34,389. Noted July 23.

Ill., Peoria—Bd. Local Impvt., C. F. Barston, pres., grading, curbing and concrete paving 4.5 blocks Steubenville St., 22 ft. wide, from D. A. Myers & Son, 209 West Armstrong St., $8,811 and grading, curbing and vitr. brick paving 3.5 blocks Bigelow and Linn Sts., from E. A. Buchholz Co., 1317 Columbia Terrace, $14,427. Noted July 30.

Wis., Milwaukee—Dept. Pub. Wks., concrete paving, etc. Hawley Rd., etc., from N. Harris, 417 Juneau Pl., $3,253, 3 alleys, from C. H. Slattery, 584 71st Ave., $12,284, 1 alley each, from Bodemann Constr. Co., 691 48th St., $1,853, from Parkinson Constr. Co., 322 27th St. $1,664, from Ryback & Sadowski, 1092 2d Ave., $[illegible],593, from J. Bluhm & Son, 1298 Achilles Pl., $436; 7 in. vibrolithic concrete paving 27th Ave. between Burnham St. and Lincoln Ave., from R. H. Gumz, 831 13th Ave., $21,850 and Pabst Ave. between 28th and Western Aves., from Kroening Constr. Co., 39th Ave., and Mitchell St., $9,741.

Wis., Milwaukee—Dept. Pub. Wks., Aug. 5, from J. C. Bluhm & Son, 1298 Achilles Pl., paving Atkinson Ave. and 10th St. with vibrolithic concrete $48,245, or concrete, $48,700; Vliet St., vibrolithic concrete, $17,556; concrete $18,634; concrete paving 1 alley, $2,393; from A. E. Retzlaff, 868 Island Ave., vibrolithic concrete paving Fond du Lac Ave., $8,153; from Bodemann Constr. Co., 691 48th St., concrete paving 2 alleys from Schwerm Bros., 50 Lee St., concrete paving 1 alley, $2,687, from Ryback & Sadowski, 1092 2nd Ave., concrete paving 1 alley, $3,344.

Wis., North Milwaukee (Milwaukee P. O.)—W. E. Chase, city clk., from Tex. Constr. Co., 446 68th Ave., West Allis, improving Adams and Hopkins Aves. and 42nd and 32nd Sts. and various alleys, 20,486 sq.yd. concrete paving at $2.40, $2.41 and $[illegible] per sq.yd., 10,558 cu.yd. grading, $0.70, vibrolithic paving $2.60. Noted July 30.

California—State Hy. Comn., Sacramento, Aug. 3, 4 mi. concrete paving and 5.8 mi. asphaltic macadam paving road between Newport and Laguna Beaches, Orange Co. from Cavanaugh & Twohy, 609 Ferguson Bldg., Los Angeles, $195,164; 6

Streets and Roads (Continued)

mi. graveling or granite surfacing, road between Holtville and High Line Canal, Imperial Co. from N. B. Conway, Yuma, Ariz., $97,250. Noted July 23.

Calif., Mountain View—City Trustees from Union Paving Co., Call Bldg., San Francisco, improving Castro St. invol. 146,000 sq.ft grading, at $0.027 per sq.ft., 146,000 sq.ft. 1½ in. Warrenite bituminous surface on 3½ in. asphaltic concrete, $0.198, etc. Noted July 23.

Calif., San Diego—Common Council, Aug. 3, from G. R. Daley, 4430 Boundary St. improving Moore St. incl. 7,216 cu.yd. excav. $1.10, 6,539 cu.yd. embankment, $0.90, 57,009 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving $0.239, 5,382 lin.ft. concrete curbing $0.70; 26,985 sq.ft. concrete sidewalk $0.22, etc. Total $48,438. Noted June 25.

Calif., Santa Monica—City Trustees from Griffith Co., Railway Bldg., Los Angeles, improving 28th St. between Pico Blvd. and Central Ave. invol. 1,236,916 sq.ft. grading at $0.023 per sq.ft., 778,855 sq.ft. 4-in. asphaltic concrete paving $0.12, etc. Total approximately $267,700. Noted July 30.

Calif., Santa Rosa—Supervs. Sonoma Co. Aug. 3, excav., grading, asphaltic macadam and rock macadam paving 19 mi. Sonoma Coast Hy. from Bodega Corners to Bodega Bay, from Conners & Hansen, R.F.D., Santa Rosa, $252,579. Noted July 30.

Calif., Venice—City Trustees, 5 and 6 in. concrete and 6 in. asphaltic concrete paving Washington Blvd. from J. Tomei, 6379 Carson St., Culver City. Approximately $26,255. Noted July 23.

CONTRACTS AWARDED

N. H., Plymouth—F. E. Everett, comr. State Hy. Dept., Federal Aid Project 204-B, State House, Concord, bituminous macadam paving 0.89 mi. here to Roble Constr. Co., 1037 Elm St., Manchester, $21,552. Noted Aug. 6.

Massachusetts—Dept. Pub. Wks., Boston bituminous macadam surfacing 6,500 ft. highway in Westbridge and Sutton, to R. H. Newell Co., Westbridge, $25,344, 3,000 ft. highway in Hamilton, to Welch & Moynihan., 15 Front St., Salem, $11,449, 2,484 ft. highway in Medfield, to Reynolds Bros., Inc., 179 Summer St., Boston $14,046, gravel surfacing 3,800 ft. highway in Gill, to H. & J. P. Green, 325 Greenwood St., Worcester, $20,116, and two concrete bridges and bituminous concrete approaches on 2,450 ft. highway in Somerset and Swansea, to Milliken & Armstrong, Inc., 50 Eddy St., Providence, R. I., $154,368. Grand total $225,323. Noted Aug. 13.

N. Y., Albany—Bd. Contract and Supply granite block paving Livingston Ave., to P. W. Mulderry, Albany, $224,135, also Ten Broeck St. to W. F. Campion, Albany, $70,694.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, granite block paving, etc., Anable Ave. $83,738, to Carberry Block Corp., 45 South 9th St., Brooklyn, sidewalk space on Kindred St. $1,667, to C. H. Georgi, 15 Ely Ave., grading sidewalk space on Kindred St. $1,667, to O'Brien & Kurth, Inc., grading, curbing and sidewalks Rockaway Blvd., $59,270, to Cranford Co., 52 9th St., Brooklyn, 88th Ave. $5,198, 108th St. $17,088, 122d St. $15,225, Hooker St. $14,197. Noted Aug. 6.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Kennedy & Smith, Inc., 93 Amity St., Flushing, asphalt block repaving Jamaica Ave., $68,535, to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing, sidewalks, etc., in 98 Place, etc., $5,427, grading Nassau Blvd. $105,362, to H. E. Kordes Co., Inc., 2577 Cooper St., Brooklyn, Hull Ave., $10,941, to Haupert, Bizzo & Foley, paving sidewalks, etc., on Cooper Ave., $1,843, to Cranford Co., 52 9th St., Brooklyn, asphalt paving Purdy St., $17,175, Roosevelt Ave., $48,529, Theodore St. $21,690, 89th Ave. $12,375, 126th St., $12,197, to S. Russoff Co., Inc., 15 Park Row, New York City, grading, etc., Nassau Blvd., $155,958. Noted Aug. 13.

N. Y., New York — H. Bruckner, pres., Bronx Boro, 3d and Tremont Aves., sheet asphalt paving Castlehill Ave. to Brusstar Constr. Co., Harlem River and 150th St. $121,908, asphalt block paving 164th St. to Burnside Contg. Co., 270 Burnside Ave. $21,482, sewer, Revere Ave., to F. Pestone, $1,618. Noted Aug. 13.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro., Boro Hall, grading, paving, etc., Potter Ave. to Vanbro Constr. Co., 24 Elizabeth Ct., West New Brighton, $91,735, sewer in Hyland Blvd., etc. to J. Caruselle, $3,976. Noted Aug. 6.

N. Y., Troy—Rensselaer Co., bitulithic paving, 3,700 ft. Oakwood Ave., to Fitzgerald Bros. Constr. Co., Proctor Bldg., $72,252. Engrs. est. $80,000.

N. J., Bordentown—Burlington Co. (Mt. Holly), paving Crosswicks St., here, to Union Paving Co., 30th and Locust Sts., Phila., Pa., $26,950.

N. J., Camden—State Hy. Comn., Trenton, constructing Delaware River Bridge Entrance Rd. Sect. 1, from 11th St. to Cooper River, to McLean Constr. Co., Fidelity Bldg., Baltimore, Md. $520,340. Noted Aug. 6.

Pennsylvania—State Hy. Dept., Harrisburg, **(R means Route and A means Application)** to D. L. Dennis Co., Smethport, rein.-con., paving, 26,925 ft., R. 241, Sect. 1, Branford Co., $365,770, to A. R. Cooper, Idamar, improving R. 79, Butler Co., 3,467 sq.yd., at $3.50, 1,116 ft., unclass. excav., $1.50 total, $19,012, to Johnson & Kearns, Du Bois, R. 108 Sect. 1A, Washington Co., 1,484 ft., rein.-con., $3.80, 225 ft., unclass. excav., $2., 2,610 cu.yd. borrow excav., $2., total $12,891, to M. J. McMahon, Brookville, R. 347, Beaver Co., 13,905 sq.yd., rein.-con., $3.35, 17,377 cu.yd., unclass. excav. $0.75, total $71,708, to McClure & Bingner, Johnstown, R. 276, Sect. 6, Cambria Co., 10,445 sq.yd., vitr. brick on concrete, $4.85, 3,996 sq.yd., rein.-con., $3.10, total $146,554, to B. L. McKillip, Hollidaysburg, A. 3275, Carton Co., 375 ft., vitr. brick paving, $9,316, to W. M. Moser, Mt. Carmel, grading, etc., R. 169, Sect. 2, Luzerne Co., 26,410 cu.yd. unclass. excav. $0.90, total $41,762. Grand total $667,013. Noted Aug. 6.

Pennsylvania—Dept. of Highways, Harrisburg **(R. means Route and A. means Application)**, to Paul Constr. Co., Inc., Cresson, rein.-con. paving, etc., 43,247 sq.yd. R. 47, Sect. 1, Blair Co. $19,880, 57,171 sq.yd. R. 222, A. 2815, Bedford Co. $318,679 and 24,178 sq.yd. R. 221 Sect. 3, A. 2891, Cambria Co. $103,412; to F. L. White Co., Warren, Pa., 4,390 sq.yd. R. 271, Crawford Co., $22,492 and to Freeland Constr. Co., Hazelton, 12,555 sq.yd. R. 162, Sect. 1A, Schuylkill Co., $48,697. Grand total $684,160. Noted Aug. 6.

Pa., Ebensburg—J. M. Hoffman, Controller Cambria Co., one course rein.-con. paving 13,801 ft., Vintondale-Twin Rocks Rd. to Fort Pitt Constr. Co., Martin Bldg., Pittsburgh. $136,553. Noted July 23.

Pa., Phila.—Bureau Highways, Dept. Pub. Wks., to F. Mark Contg. Co., 2820 North 21st St., grading, Akron and Saul Sts., $13,358; to Curtis Bros., State Rd. and Unruh St., Algard and Walker Sts., $265, Solly St., $357; to Morrissey Bros., 4345 North 7th St., Borbeck St., $1,964, Oakley and Kyson Sts., $3,697, Prospect St., $1,145, Shelborne St., $4,519; Dewees Bros., 5th and Fisher Aves., Burton, Dilman, Gillespie, Glenlock and Sanger Sts., $11,434, to S. C. Rotzell, Limekiln Park & Haines St., Carlisle St., $1,157, Cedar Brook and Pickering Sts., $5,393; to F. V. Monaghan, Water St. and Clarkson Ave., Devereaux St., $2,514; to T. P. Lee, 5629 Cherry St., Grays St., $2,703, Media St., $1,553; to McNichol Paving & Constr. Co., 1923 Cherry St., Media St., $8,768; to R. B. Wenner, 2313 Walnut St., Reach St., $655; to Barber Asphalt Co., 239 North 30th St., asphalt paving, Belfield St. $3,327, 21st St., $17,713; to Eastern Asphalt Co., Pennsylvania Bldg., Harworth St., $6,098, Marvine St., $4,255, Nedro St., $8,493, asphalt repaving, 33rd St., $12,997; to Union Paving Co., 30th and Locust Sts., asphalt paving, Lippincott and 33rd St., $13,358, Mercer St., $3,363, Shelmire St., $12,492, 15th and 67th Sts., $11,085; to Mack Paving and Contg. Co., Nicetown Lane and Luzerne Sts., Vankirk St., $17,035, Wyncote St., $13,510; to F. W. Lovett, Newark, Del., country road improvements, Claridge St., $10,994; to Neely Bros., & Russell, Oxford Ave., and Wakeling St., Dana St., $1,889, Poquessing St., $2,210; grand total $186,036. Noted Aug. 13.

North Carolina—State Hy. Dept., Raleigh, to Ziegler Bros., Greensboro, grading and concrete paving, etc., 5.69 mi. Project 424, Franklin Co., $154,346, 2.32 mi. Project 585, Randolph Co., $65,352, 3.07 mi. Project 618, Catarrus Co., $112,913; to F. J. McGuire, Bankers' Trust Bldg., Norfolk, Va., 11.77 mi. Project 197, Washington Co., $276,004, to F. Mitchell Constr. Co., Anderson, 8.19 mi. Project 151B, Hyde Co., $150,648; to R. G. Lassiter & Co., Raleigh, grading and asphalt paving, etc., 6.49 mi. Project 434, Granville Co., $195,520, to Wilson Constr. Co., Rutherfordton, grading, concrete bridges and culverts and concrete paving, etc., 9.4 mi. Project 883, Rutherford Co., $287,290, to J. A. Marrow, Clarksville, Va., clearing, grubbing, grading, rein.-con., bridges and culverts and top soiling, 13.73 mi. Project 547, Hoke Co., $56,346, to Dicus Bros., Waynesville, grading, 3.98 mi. Project 982, Swain Co., $29,472, to W. H. Anderson Constr. Co., Marion, clearing, grubbing, grading, etc., 7.84 mi. Project 889, Yancey Co., $73,[illegible], to Albert Bros., Shawville, Va., 12.11 mi. Project 851, McDowell Co., $234,000, to J. F. Mulligan Constr. Co., North Wilkesboro, 10.5 mi. Project 395, Robeson Co., $50,[illegible], to N. L. Teer, Durham, 7.72 mi. Project 246, Jones Co., $57,737, 8.92 mi. Project 105-E, Beaufort Co., $51,037. Grand total $1,794,465. Noted Aug. 6.

Florida—State Rd. Dept., Tallahassee, clearing, grubbing and grading 7.47 mi. Project 586, Jackson and Washington Counties, to Gillis Constr. Co., St. Augustine, $36,152, 45,421 cu.yd. Project 59[illegible], Colusia Co., to J. L. Hunter, Madison, $25,802; curbing, guttering and sheet asphalt paving 62,010 sq.yd. Project 61[illegible], Sarasota Co., to Broadbent Constr. Co., Ocala, $209,056. Noted Aug. 7.

Ala., Sheffield—Grading and asphalt surfacing 12 blocks Atlanta, Gordon and 20th Aves., 3rd St. and Jackson Highway, 30 and 40 ft., to Uvalde Paving Co., Sheffield, $124,142. Engrs. est. $125,000.

La., Lake Charles—Police Jury Calcasieu Parish, constructing dirt road through Sabine Swamp, to W. S. Smith, Alexandria, $128,000.

O., Canton—Stark Co., **(e.e. means engrs. est.)**, brick paving about 1 mi. Canton-Massillon Rd., to Studebaker & Son Co., Genl. Del., $28,712 e.e. $30,000; Canton-Alliance Rd., to Wise Bros. Co., Genl. Del. $136,410 e.e. $140,000 Canal Fulton-Manchester Rd., to W. Vogt Paving Co., Massillon, $127,735 e.e. $130,000. Grand total $292,857. Noted June 4.

O., Cleveland—City, vitr. brick paving, etc. 13,310 sq.yd. East Blvd., to Cleveland Trinidad Paving Co., The Arcade, $73,931, 7,320 sq.yd. Carnegie Ave. and East 140th St., to Bentley Bros., Hanna Bldg., $45,543 and $12,762 respectively, sheet asphalt paving, etc. 10,110 sq.yd. Granton Ave. and West 127th St., to Highway Constr. Co., West 112th St. and Madison Ave., $28,280 and $36,062 respectively; vitr. brick paving, etc. 10,510 sq.yd. Benham Ave., West 85th and East 120th Sts., to Baldwin Bros., 4500 Euclid Ave., $41,190, $4,203 and $34,517 respectively, West 111th and 40th Sts., to Roehl Bros., 7002 Dennison Ave., $13,130 and $10,810 respectively, East 135th St., to Garland Bros., 5806 Frnaklin Ave. $19,551. Grand total $319,979. Noted Aug. 13.

O., Cleveland—Cuyahoga Co., vitr. brick paving Hilliard Rd. 2, to Cleveland Trinidad Paving Co., The Arcade, $73,953. Noted Aug. 13.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., grading, laying necessary water services and sewer connections and paving with (a) asphalt (b) concrete, 2,013 ft. Binns Blvd. 24 ft. (a) $29,947; to L. L. Aller, Worthington, 938 ft. Berwyn Ave., 24 ft. (a) $14,557; 672 ft. Mock Rd., 20 ft. (a) $11,621; to A. W. Burnes Constr., 316 South High St., 2188 ft. Briarwood Ave., 24 ft. (a) $29,944, 4,358 ft. 18th Ave., 24 ft. (a) $59,324; to Yale Ave. Constr. Co., 146 Yale Ave., 554 ft. alley north 8th St., 22 ft. (b) $4,195, 508.5 ft. alley west Hawkes Ave., 16 ft. (b) $2,560, 341 ft. alley north Jackson St., 15 ft. (b) $1,389, 479 ft. McAllister Ave., 20 ft. (a) $4,290, 465 ft. alley north Mt. Vernon Ave. (b) $2,546, 530 ft. alley north Wilber Ave., 20 ft. (b) $2,965, 341 ft. alley north Wyandotte Ave., 15 ft. (b) $1,955, 697 ft. Wallnis Ave., 24 ft. (a) $9,998, 337.5 ft. Wall St., 20 ft. (b) $2,166; to Franklin Asphalt Paving Co., 209 High St., 1,311 ft. Mooberry Ave. 26 ft. (a) $18,509, 1,094 ft. Parkside Rd., 24 ft. $15,130, 1,525 ft. Roys Ave. (a) $19,401, 279 ft. Souder Ave., 26 ft. (a) $4,003. Grand total $234,500. Noted July 30.

O., Dayton—Curbing, guttering and rein.-con. paving 16,000 sq.yd. Eaton Ave., to Wright Bros., 1219 Huffman Ave., $51,599. Engrs. est. $79,943. Noted March 12.

O., Euclid—Concrete sidewalks on 11 streets, to S. Costanzo, $32,471; paving Hadden Rd., to Gould & Maybach, 16311 Saranec Rd., Cleveland $36,003, East 221st St., to F. B. Stein, $19,441. Grand total $87,915.

Michigan—State Hy. Dept., Lansing, grading, etc., 1.801 mi. State Trunk Line, 16-28 Sect. B, concrete paving 3.376 mi. Federal Aid Project 113, Sect. E, 3.962 mi. Federal Aid Project 113, Sect. E-2, all Ionia Co. to G. P. Schail, Muskegon.

Ill., Peoria—Bd. Local Impvts., grading curbing and brick surfacing 1.5 blocks Linn St., 30 ft., 2 blocks Bigelow St., 30 ft., and concrete surfacing 1 block alley in Block 8, 22 ft., to E. A. Bucholz, 1317 Columbia Terrace, $15,673; grading, curbing and as-

Streets and Roads (Continued)

phalt surfacing 4.5 blocks Bigelow St., 30 ft., to D. A. Myers & Son, 209 West Armstrong St., $8,811, grading, curbing and concrete surfacing 2.5 blocks Widenham St., 18 ft., to J. W. Bushell, 1321 South Washington St., $15,567. Grand total $40,051. Noted July 30.

Ill., Winthrop Harbor—H. Abrahamsen, village clk., improving Main St., 10,200 cu.yd. excav., 14,500 sq.yd. concrete paving, etc., to S. J. Gothechalk Constr. Co., Homewood, $45,775. Noted July 16.

Wis., Milwaukee—Bd. Pub. Wks., concrete paving one alley, to C. H. Slattery, 584-71st Ave., $3,365, 1 alley, to A. E. Retzlaff, 868 Island Ave., $1,364, 3 alleys, to F. Hildebrand, Jr., 1042 23rd Ave., $24,303. Noted Aug. 6.

Missouri—State Hy. Dept., Jefferson City, to J. E. Hartley, Aurora, 30 ft. grading 3.636 mi. road from Hartsville, south, Wright Co. $17,334, to W. T. Thompson & Sons, Eugene, 3.222 mi. Columbia-Jefferson City Rd., Boone Co. $37,076, to Fogleman & Davidson, Versailles, 3.678 mi. road from St. Clair, east and west $22,324 and 3.45 mi. St. Louis-Springfield, Rd., $38,206, both in Franklin Co., to A. W. Mosley, Union Star, 7.77 mi. Clinton-Calhoun Rd., Henry Co., $29,643, to Mid West Constr. Co., Kansas City, 3.71 mi. same road $25,296, to P. J. Murphy, Moberly, 3.074 mi. road from Marceline, north, Linn Co. $13,812, to L. A. Woods Constr. Co., Smithville, 0.197 mi. Kansas City-St. Joseph Rd., Platte Co. $3,362, to Maney Bros. and Campbell Bros., Oklahoma City, Okla., 12.77 mi. Ava-Gainesville Rd., Ozark Co. $112,122, to J. P. Harlin, West Plains, 2.321 mi. Thayer-Koshkonong Rd. $11,048 and 4.65 mi. road from Alton, east, $22,835, both in Oregon Co.; to P. Simons, Quincy, Ill., grading and 18 ft. concrete paving 3.016 mi. Kirksville-Macon Rd. $93,085, also 30 ft. grading and 18 ft. concrete paving 3,026 mi. road from Millard, south, $48,555, each, dair Co.; to Hamilton Hoffman Constr. Co., Carbondale, Ill., 30 ft. grading 2.924 mi. Kirksville-Macon Rd. $8,752 and 2.879 mi. road from Millard, south $9,652, both Adair Co. grading and 18 ft. concrete paving 4.926 mi. road from Macon, north $73,408, also 30 ft. grading road from La Plata, south $32,863, both in Macon Co.; to C. H. Atkinson Paving Co., Watertown, S. D., grading and 9 ft. concrete paving Pickering-Maryville Rd., Nodaway Co., $64,660; to Kelly & Underwood, Granby, 16 ft. gravel surfacing 9.82 mi. Mexico-Paris Rd., Monroe Co. $90,335, to Cottle-Campbell & Co., Troy, 3.622 mi. New London-Perry Rd. Ralls Co. $44,613, to G. E. Stoner, Charleston, 2.153 mi. Benton-Charleston Rd., Scott Co. $18,256, to C. H. Holmes & O. Jones, Troy, 1.324 mi. Troy-Hawk Point Rd., Lincoln Co. $10,514, to Richmond Constr. Co., Advance, 2.621 mi. road from Ipley, east and west, $25,744 and 2.702 mi. Campbell-Clarkton Rd. $17,600, both in Dunklin Co., and to J. A. Carlson, Macon, 7.18 mi. road from Macon, south, Macon Co., $48,559. Grand total $901,819. Noted July 16.

Mo., Holden—Curbing and vibrolithic concrete paving, etc., approximately 8,226 sq.yd. 2d, Pine and Main Sts., to Reed & Wheelock, Clay Center, Kan. $28,025.

Tex., Laredo—Webb Co., rock on asphalt paving 7 blocks on Market St., to Southwestern Bitulithic Co., Gunther Bldg., San Antonio, approximately $40,000.

Tex., Wharton—B. D. King, city engr., grading, bituminous concrete paving, etc., various streets, to Brown & Root, Georgetown, $52,180.

Tex., Wichita Falls—Hard-surfacing Ave. J, Kennesaw, Taft and Garfield Sts., also portions of Ave H, 9th, Travis, 18th and Giddings Sts. to L. E. Whitham & Co., Wichita Falls, $3.00 per sq.yd. and $2.70 per sq.yd. respectively. Engrs. est. $45,000 and $35,000 respectively.

Wash., Seattle—Bd. Pub. Wks., 6 in. concrete paving, etc., 9,375 sq.yd. Court St. et al, to Moceri Bros., Thompson Bldg., $29,404. Noted Aug. 13.

Wash., Yakima—Bd. Pub. Wks., bituminous wearing surface on concrete paving 4th and 5th Aves., to Yakima Paving Co., Yakima, $39,711. Engrs. est. $40,000.

Ore., Portland—Concrete paving 19 blocks from Cardinal Dr., College St., to Shea & Lundstrom, Portland, $25,899; concrete paving 10 blocks Denver Ave., to S. Simons, Portland, $26,571, asphalt on crushed stone paving 6 blocks 31st St. and 2 in. asphalt top on 4 in. concrete 15 blocks Sacramento St., to Warren Const. Co., Park Rose St., $19,391 and $44,900 respectively; 2 in. asphalt top on 4 mi. broken stone paving 8 blocks 33d St. and 2 in. asphaltic concrete on 4 in. concrete paving, 17 blocks Portland Blvd., to A. D. Kern, Exch. Bldg., $30,172 and $38,623 respectively; also 17,866 ft. sewer in 45th St., to J. F. Shea, Henry Bldg., $22,196. Grand total $210,753.

California—State Hy. Comn., Sacramento, grading and surfacing 25.7 mi. road from Victorville to Hicks, San Bernardino Co., to H. G. Fenton, San Diego, $156,196; also widening with concrete shoulders 9.1 mi. between Edom and 2 mi. north of Indio, Riverside Co. to Basich Bros. Co., 3788 South Vermont St., Los Angeles, $80,222. Noted Aug. 6.

Calif., Alhambra—Curbing, guttering, and 7 in. asphaltic concrete paving 593,135 sq.ft. portion Main St. to Hall-Johnson Co., 3025 Fowler St., Los Angeles. Approximately $154,798. Noted July 23.

Calif., Berkeley—City council 2 in. asphaltic concrete on 6 in. concrete paving Alameda, and Marin Sts., etc., to Northern Paving Co., P. O. Box 1237, Richmond, $49,267. Noted July 30.

Calif., Glendale—Grading, curbing, guttering, sidewalks, and 8 in. concrete paving 1,259,520 sq.ft. San Fernando Rd. to B. R. Ford, 407 West 17th St., Santa Ana, $343,468. Noted July 2.

Calif., Glendale—Grading and asphaltic concrete paving 119,234 sq.ft. asphaltic concrete paving portions of Central Ave., Salem St., etc., also 119,329 sq.ft. asphaltic paving North Central Ave. to W. J. Curren, 221 West Bway, Glendale, $68,500 each.

Calif., Oakland—Supervs. Alameda Co. 1½ in. Willite on 3½ in. asphaltic concrete paving road from Sunol to Pleasanton, to Crocker Co., 58 2nd St., San Francisco, $160,319. Noted Aug. 6.

Calif., Tulare—Grading, curbing, guttering and 4-in. Willite asphaltic concrete paving, Sonora St., et al., to Valley Paving & Constr. Co., Visalia, $38,755.

Calif., Watts—Curbing, guttering, sidewalks, and 5 in. concrete paving 101,997 sq.ft. Eagle St., to G. H. Oswald, 366 East 58th St., Los Angeles, at $0.148 per sq.ft. Noted July 30.

Ontario—Dept. Pub. Hy., 110 University Ave., Toronto, concrete paving in Oakwood, Contr. 1205 to W. Stewart, Preston, $55,000; macadam paving road from Melacthon north 6 mi., Contr. 1221, to Law Constr. Co., 50 Yonge St. Arcade, Toronto, $90,000; grading road from Fergus south 6 mi., Contr. 1254, to G. Campbell, R. Essex, road from Mt. Forest south 2½ mi. Contr. 255 to J. McNab, Brussels, $15,000; west of Smith Falls, 7 mi. from Crosby easterly, Contr. 1258 to Sommerville & Packaberry, Kemptville, $30,000. Grand total $210,000.

Ont., Toronto—City Council to Dept. Pub. Wks. by day labor asphalt paving on concrete Beaufort Rd., $7,854, Parkdale Rd. $3,764 to Godson Contg. Co., 203 Richmond St., West Main St., $7,126, to Kilmer & Barber, 10 Adelaide St., E. Front St. $10,326; to Grant Constr. Co., 47 Wellington St., E. brick block paving, Beaufort Rd., $7,700. Main St., $17,399, Glenmore Rd. $7,174; to Warren Bituminous Paving Co., 54 University Ave., asphaltic concrete on concrete paving Glenlake Ave. $8,582, Welland Ave. $4,888. Grand total $74,813.

Ontario—Northern Development Branch, Dept. Pub. Hy., Parliament Bldgs. Toronto, 22 mi. gravel road from Temagami to Latchford, to M. L. McLean, Oakville, $185,654. Noted July 9.

Ontario—Northern Development Branch, Dept. Pub. Hy., constructing North Bay-Temagami Gravel Rd., from Cooks Mills north, first 15 mi. to Angus & Taylor, Angus Blk., North Bay, and next 5 mi. to Walsh Constr. Co., 338 Jarvis St., Toronto. Engrs. est. $200,000.

Ontario—Northern Development Branch, Dept. Pub. Hy., Parliament Bldgs., Toronto graveling 18 mi. Haviland Bay Rd. to Walsh Constr. Co., 338 James St., Toronto, $56,617.

B. C., Vancouver—One course concrete paving Second Narrows Bridge Approach, and part of 2d Ave. to A. B. Palmer Co. Ltd., 736 Granville St., Vancouver, $26,164. Noted July 9.

B. C., Point Grey — Grading, concrete curbing and asphaltic concrete paving ¾ mi. 10th Ave. at University Hill to A. B. Palmer Co., Ltd., 736 Granville St., Vancouver, $27,000.

Mexico, Mexico City—Constructing 1,800 mi. on 3 highways radiating from here to Laredo, to Puebla, and to Chiapas, all to Byrne Bros. Constr. Co., 385 East 115 St., Chicago, Ill., at 1 per cent of total cost. Engrs. est. $12,000,000.

Buildings—Industrial

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—City, Dept. Pub. Wks. having sketches made by Mulhall & Holmes, archts., 33 Newbury St., Boston, 1 story, rein.-con. and brick, Hancock St. Yard, here. $50,000. J. A. Rourke, comr.

Conn., New Britain—FACTORY—Fafnir Bearing Co., Booth St., plans concrete and steel addition, Orange St., $200,000. Engineer and architect not selected.

N. Y., Albany—PRINTING PLANT—Albany Printing Crafts Building, c/o Babcock, Viemeister & Schlendorf, archts. and engrs., 25 West 43rd St., New York City, having plans prepared 6 story, 150 x 175 ft., brick, steel and stone, plain foundation, Bway. and North Ferry St. $1,000,000.

Pa., Philadelphia — SMELTING and WAREHOUSE—I. Halpern Bros. & Co., Hancock and Berks Sts., soon takes bids 1 story, 60 x 100 ft., and 75 x 150 ft., steel and corrugated iron, plain foundation, Corbin St. and Erie Ave. Private plans.

La., Lake Charles—RICE MILL—Lake Charles Rice Mill Co., p stponed construction rice mill, warehouse, etc. Southern Constr. & Mill Supply, Merchants' Exch., Houston, Tex., archts. Noted July 23.

Tennessee — PLANT — Amer. Bemberg Corp., 65 Madison Ave., New York City, N. Y., retained Lockwood, Greene & Co., engrs., 24 Federal St., Boston, Mass., to prepare plans and supervise construction new rein.-con. and steel plant, 400,000 sq.ft. floor space, on 172 acre site on Watauga River between Johnson City and Elizabethton, here. $1,500,000.

O., Dille (Dilles Bottom P. O.)—POWER PLANT—Ohio Power Serv. Co., T. O. Kennedy, pres., 1800 B. F. Keith Bldg., Cleveland, plans 1 story, steam electric power plant, brick and steel, $2,000,000. G. S. Snider, 1800 B. F. Keith Bldg., Cleveland, engr.

Mich., Detroit—FACTORY—Godfredson Body Corp., Wayne, having plans prepared by Esselstyn & Carey, 602 Hoffman Bldg., 3 story, 60 x 540 ft. brick and steel factory, Michigan Ave., here.

Ill., Centralia—SHOE FACTORY—T. P. Barnett & Co., archts., Arcade Bldg., St. Louis, Mo., rejected bids 3 story and basement, 45 x 45 ft. and 45 x 200 ft., rein.-con. and brick, for Chamber of Commerce, here. $85,000. Project abandoned. Noted June 4.

Ill., Freeport — WAREHOUSE — Illinois Central Ry. Co., 135 11th Pl., Chicago, having preliminary plans prepared, 2 story, 85 x 175 ft., brick and concrete, here. $250,000. F. R. Judd, c/o Owner, engineer buildings.

Wis., Milwaukee—NEWSPAPER PLANT—I. Rosenberg, 1202 Garfield Ave., having plans prepared by R. Messmer & Bro., 221 Grand Ave., remodeling 4 story, 100 x 200 ft., brick and concrete, West Water St. $150,000. The Wisconsin News, 141 Wisconsin St., lessee.

Wis., Racine—DAIRY PLANT—H. W. Voelz, archt., 373 Bway., Milwaukee, preparing plans and soon takes bids 2 story and basement, 62 x 80 ft., brick and concrete, plain foundation, for Progressive Dairy Co., 1214 Lathrop Ave. $60,000.

Mo., St. Louis—FACTORY—F. J. Schleicher Paper Box Co., 1811 Chouteau Ave. plans 2 story and basement, rein.-con. and brick, Bingham St. $100,000. Engineer and architect not selected.

Kan., Kansas City—POWER PLANT—City making plans new boiler plant and equipment. $650,000-$700,000. A. L. Mullergren, 555 Gates Bldg., Kansas City, Mo., engr.

Tex., Brownsville — YARN SPINNING PLANT—Merchants and Planters Cotton Mill of New Braunfels, S. M. Ransopher, pres., having preliminary plans prepared new yarn spinning plant, here. $100,000. Private plans.

Okla., Tulsa—ICE CREAM FACTORY—Purity Ice Cream Co., c/o J. B. Porter, having plans prepared by E. W. Saunders, 2 story and basement, 90 x 120 ft., rein.-con. and brick, plain foundation. $150,000.

Neb., Grand Island—ELECTRIC PLANT—City, c/o H. E. Clifford, city clk., plans electric, water and ice plant, here. $750,000. Pillsbury Eng. Co., 1200 2d Ave., Minneapolis, Minn., engrs.

California—FACTORY—Standard Sanitary Mfg. Co., 1000 Bryant St., San Francisco, having preliminary plans prepared for factory probably located in San Francisco Bay district. $1,000,000. Private plans.

Calif., Patterson—PLANT—F. H. Roberts, Mutual Creamery Co., plans 1 story, timber, casein plant. Universal By-Products Co. is lessee.

Ont., London—FACTORY—London Box & Lumber Co., plans constructing factory to replace one destroyed by fire. $150,000. T. H. Baker, owner.

Buildings—Industrial (Continued)

BIDS DESIRED

Mass., Boston—ICE PLANT—Boston Ice Co. (subsidiary of Knickerbocker Ice Co. of New York City) 110 State St., Boston, taking bids 1 story, 150 x 210 ft., rein.-con., brick and steel, Albany St. $100,000. Private plans. Noted June 11.

Mass., East Boston (Boston P. O.)—MILL—Maverick Mills,144 Addison St., taking bids, 2 story and basement, 40 x 60 ft., brick and timber, Addison St. $40,000. Lockwood, Greene & Co., 34 Federal St., Boston, engrs.

Mass., Somerville (Boston P. O.)—See "Contracts Awarded."

Pa., Linhart—BRASS FOUNDRY—B. H. Prack, engr., Martin Bldg., Pittsburgh, will build 3 story, 100x506 ft., for Westinghouse Electric & Mfg. Co., East Pittsburgh. Work will be done by separate contract. $450,000.

Pa., Phila.—DYEING and CLEANING—Aug. 20, by Ballinger Co., archts., 12th and Chestnut Sts., 1 story, 234 x 235 ft., rein.-con., brick and steel, plain foundation, Heiskill and Magnolia Sts., for Herzog Co., Inc., 5904 Germantown Ave. $200,000.

Wis., Milwaukee—MANUFACTURING—Davis & Tuckwell, engrs., 377 National Ave., taking bids 1 and 2 story, 30 x 40 ft., and 62 x 120 ft., brick and timber, plain foundation, Center St., for Huebsch Mfg. Co., 368 Brady St. $40,000.

Mo., Cape Girardeau—POWER PLANT—See "Contracts Awarded."

Mo., St. Louis — FACTORY — St. Louis Label Wks., 925 North 11th St., taking bids 3 story and part basement, 80 x 183 ft., rein.-con., and brick, Glasgow and North Market Sts. $100,000. L. Haeger, 3844 Utah Pl., archt.

CONTRACTS AWARDED

Mass., Atlantic (Boston P. O.)—LEADING PLATFORM and STORAGE—Norfolk Woodworking Co., Braintree, will build 1 story, 35 x 120 ft. and 50 x 145 ft., brick and steel, addition. $40,000. Work will be done by separate contracts. L. S. Joslin, 339 Newbury St., Boston, archt.

Mass., Boston—FACTORY—S. M. Howes Co., 509 Medford St., Charlestown, 3 and 4 story, brick factory, to H. L. Hauser Bldg. Co., Inc., 263 Summer St. Archts. est. $100,000. Noted July 9.

Mass., Framingham—SERVICE and OFFICE—Barber Colman Co., 1 story, 100 x 122 ft., brick and steel, service and office building, to McNally Building Co., Inc., Concord St. Archts. est. $40,000.

Mass., Lawrence — FACTORY — Butler Dye House Co., 2 story 30 x 60 ft., brick, main building, 1 story, 20 x 30 ft., tile naptha building, Walcott Ave., to J. Healey, Lawrence.

Mass., Lynn—FORGE SHOP—General Electric Co., Western Ave., will build 1 story, 55 x 100 ft., brick and steel, forge shop. Work will be done by separate contract. Private plans.

Mass., Somerville (Boston P .O.)—REPAIR and SERVICE GARAGE—I. S. Stone, 53 State St., Boston, will build 1 story brick, Magoun Sq., by day labor. $40,000. F. A. Norcross, 46 Cornhill Ave., archt. Noted Aug. 13.

Mass., Wakefield—FACTORY—Neveroil Bearing Co., Foundry St., 1 story, rein.-con. and steel, to W. T. Powers, 24 Union St., Somerville. Archts. est. $40,000.

Mass., Watertown (Ind. br. Boston P. O.)—DYEHOUSE—Brusene Co., Stanley Ave., 1 and 2 story, 22 x 150 ft., brick and steel, to W. A. Bailey Co., 88 Broad St., Boston. Archts. est. $40,000. Noted July 9.

Conn., New Haven—FACTORY—Sargent & Co., Water St., 1 story, 60 x 210 ft., brick and steel, Water & Wallace Sts., to National Constr. Co., 151 Court St. Archts. est. $75,000. Noted July 9.

Conn., Waterbury — FACTORY — Patent Button Co., 41 Brown Ave., 4 story and basement, 60 x 176 ft., steel and concrete, Abbott St., to Barney-Ahlers Constr. Co., 110 West 40th St., New York City. Archts. est. $200,000. Noted July 16.

Conn., Watertown—POWER PLANT—Watertown Mfg. Co., 1 story, 50 x 50 ft. power house, and 50 x 115 ft. manufacturing building, both brick and steel, Echo Lake, to Tracy Bros. Co., 52 Benedict St., Waterbury. Archts. est. $75,000. Noted June 18.

Pa., Carrick—SUB-STATION—Duquesne Light Co., 435 6th Ave., Pittsburgh, 1 story and basement, 40x60 ft., Brownsville Rd., to Cuthbert Bros., Bessemer Bldg., Pittsburgh.

Pa., Minersville—SHIRT FACTORY—H. D. Bob Shirt Co., 3 story and basement, 80 x 84 ft., brick, steel and rein.-con., to H. A. Moore, Milton. Archts. est. $45,000.

Pa., Oil City — FACTORY — Kramer Wagon Co., will rebuild walls to 1 story addition, Mineral St., $40,000. Work will be done by separate contracts. G. F. Dennett, c/o Owner, engr.

Pa., Pittsburgh—PRINTING PLANT—Herbick & Held Co., Brown St., printing plant addition to Austin Co., Union Trust Bldg. Archts. est. $40,000.

Pa., Phila. — FACTORY — Certain Teed Products Corp., 1 story and basement, 10 x 24 ft., and 48 x 154 ft., rein.-con. and brick addition, plain foundation, 2d and Erie Sts., to Stofflet & Fillatson, Wesley Bldg., $54,000.

O., Cleveland—ICE CREAM FACTORY—Adam Hoffman Co., 10522 Cedar Ave., 1 story, 49 x 133 ft., brick and steel, 10522 Cedar Ave., to W. F. Hyde Co., 1008 Scoville Ave Archts. est. $40,000.

O., Cleveland—ELECTRIC GENERATING STATION—Cleveland Electric Illuminating Co., J. Wolfe, engr. of construction, Illuminating Bldg., 283 x 315 ft., brick, steel and concrete, 80 ft. high, at Avon Beach to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Archts est. $10,000,000. Noted July 16.

Ill., Danville—NEWSPAPER PLANT—The Commercial News, J. H. Harrison, editor, general contract, 2 story and basement, 48 x 130 ft., rein.-con., brick and stone, here, to J. Clark Constr. Co., Danville, $150,000.

Ill., Elgin — FACTORY — Elgin Wind Power & Pump Co., 75 North State St., general contract, 3 story and basement, 36 x 46 ft., brick and concrete addition, North State St., to Illinois Hydraulic Stone & Constr. Co., Elgin. $40,000.

Ill., Peoria—FACTORY, etc.—J. Bloom, 3400 Mosa Ave., 4 story and basement, 58 x 95 ft., rein.-con. and brick, plain foundation light manufacturing and retail store, 611 Franklin St., to F. Harbers & Sons, 1007 Central Natl. Bank Bldg., $60,000.

Wis., Neopit—SAWMILL—Menominee Indian Tribe, A. E. Schaal, asst. supt. of reservation, 2 story, 65 x 95 ft., rein.-con., plain foundation, to Wisconsin Eng. & Constr. Co., Bellin Bldg., Green Bay. Noted Apr. 16.

Wis., Port Washington — FOUNDRY—Kwick Mix Concrete Mixer Co., 126 Milwaukee St., 1 story, 48 x 146 ft., brick and steel, plain foundation, here, to J. Ubink & Sons, Port Washington, Engrs. est. $40,000.

Wis., Sheboygan—FACTORY—W. O. Weeks, archt., 720 Ontario Ave., 2 story and basement, 44 x 135 ft., brick and timber, plain foundation, for H. J. Holman & Sons, 1716 Calumet Dr., to W. Genther Sons Co., 1224 North 4th St. and L. F. Meier, 1202 North 16th St., $40,000. Noted July 30.

Mo., Cape Girardeau—POWER PLANT—Community Light & Power Co., 610 Planters' Bldg., St. Louis, will improve and extend power plant, here, by day labor; and 2,500 kwa. turbo generator and condensor for same, to Westinghouse Electric & Mfg. Co., 717 South 12th St., St. Louis. Engrs. total est. $100,000. Noted July 23.

Mo., St. Louis—CLEANING and DYEING PLANT—Lungstras Dyeing and Cleaning Co., 13th St. and Park Ave., 1 story and part basement, 40 x 120 ft. and 150 x 320 ft., brick, concrete and steel, Vandeventer and Accomac Sts., to The Austin Co., 160 North La Salle St., Chicago, Ill. Noted July 2.

Calif., San Francisco—FACTORY — McRoskey Mattress Factory, 1506 Market St., 3 story and basement, steel frame and hollow tile, Brady and Market Sts. to H. H. Larsen, Monadnock Bldg., $85,000. Noted July 23.

Calif., San Francisco—FACTORY—J. A. Roebling & Sons, 646 Folsom St., will build 2 story concrete and steel, 16-17 DeHaro and Carolina Sts. by day labor. $250,000. F. W. Quandt, Humbolt Bank Bldg., archt.

Buildings—Commercial

PROPOSED WORK

Me., Portland—Y. M. C. A., G. West, pres. having sketches made by J. P. Thomas, archt., 557 Congress St., 2 story and basement, brick, $150,000.

N. H., Littleton — THEATRE—H. B. Eames, having revised plans prepared by Haynes & Mason, 280 Main St., Fitchburg, 2 story, 60 x 125 ft., rein.-con. and steel. $150,000. Former bids rejected. Noted July 16.

Vt., Burlington — BANK — Burlington Trust Co., B. C. Carver, cashier, having plans prepared by J. O'Connor, archt., and Delaney & Schultz, associated archts., 162 East 37th St., New York City, new bank, Church and College Sts. $350,000.

Vt., Rutland—NURSES' HOME—Rutland Hospital, c/o A. H. Smith, archt., Gryphon Bldg., having plans prepared 3 story and basement, 45 x 105 ft., rein.-con., brick and tile, nurses' home. $150,000.

Mass., Boston — APARTMENT — W. Cohen, 333 Washington St., having plans prepared by G. N. Jacobs, 4 Park St., 8 story and basement, 32 x 104 ft., brick and stone, concrete pile foundation, 50 commonwealth Ave. $400,000.

Mass., Boston—BANK and OFFICE—Union Institution for Savings, Tremont & Lagrange Sts., having plans prepared by Thomas M. Jones Co., 3 Park St., 10 story and basement, brick and limestone, Tremont St. $800,000.

Mass., Boston — HOSPITAL — Homeopathic Hospital Bldg. Com., c/o G. Frost Co., 551 Tremont St., having plans prepared by Kendall Taylor & Co., 142 Berkley St., hospital Harrison Ave. and East Newton St., $1,500,000. Noted May 7.

Mass., Boston—HOTEL—Porter & Traylor, 73 Tremont St., archts. having preliminary plans prepared 6 or more story, 2,700 sq. ft. floor space, brick and limestone, 285-291 Tremont St. $200,000 or more. Owner's name withheld.

Mass., Cambridge (Boston P. O.)—STORE, OFFICE and APARTMENT—M. Greenspan, 31 Milk St., Boston, having plans prepared by Blackhall, Clapp and Whittemore, 40 Beacon St., Boston, 5 story and basement, brick, Massachusetts Ave. and Arlington St. $750,000.

Mass., Lynn—GARAGE—E. N. Foss, 120 Franklin St., Boston, having preliminary plans prepared by E. B. Stratton, 25 Arch St., Boston, 1 story, brick and steel, 917 Washington St. $160,000.

Mass., Marlboro—BANK and OFFICE—Peoples Natl. Bank, S. R. Stevens, pres., having sketches made by J. W. Beal Sons Co., 185 Devonshire St., Boston, 2 story and basement, brick and stone, $150,000.

Mass., Maynard — BANK — Maynard Trust Co., Main St., having plans prepared by E. B. McGirr, 6 Beacon St., Boston, 2 story and basement, brick, stone and granite, $150,000.

Mass., New Bedford—SOCIETY—Masonic Building Assn., c/o Brown & Poole, archts., 688 Pleasant St., making sketches 2 or more story, brick, society building. $150,000 or more.

Mass., New Bedford — STORE and WAREHOUSE—Adaskan Furniture Co., Fall River, having plans prepared by G. P. B. Alderman, 316 High St., Holyoke, 4 story and basement, brick store and warehouse, Purchase & High Sts. To exceed $150,000.

Mass., Roxbury (Boston P. O.)—HOSPITAL—City of Boston, Hospital Dept. having plans prepared by O'Connell & Shaw, 134 Newbury St., Boston, chronic hospital, Parker Hill, here. $1,000,000 appropriated.

R. I., Providence—HOSPITAL—St. Joseph's Hospital, Broad St., having preliminary plans prepared by A. J. Murphy, 146 Westminster St. hospital Broad & Pease Sts. To exceed $150,000.

Conn., Derby—THEATRE—A. Malm, Inc., 220 Bway., New York City, takes bids about Aug. 17, 2 story, 65 x 90 ft., 100 x 122 ft., brick, stone and steel, $250,000. Starrett & Van Vleck, 8 West 40th St., New York City, archts. Noted Apr. 23.

Conn., Hartford—OFFICE—Fuller Richter Aldrick & Co., 94 Pearl St., having plans prepared by Smith & Bassentte, 36 Pearl St., brick and steel office building, Pearl St. $150,000 or more.

Conn., Manchester—BUSINESS—N. B. Richards, Haynes St., South Manchester, having plans prepared by Smith & Bassette, 36 Pearl St., Hartford, brick and steel business building. $150,000 or more.

Conn., New Haven—Y.W.C.A., I. H. Hall, secy., having plans prepared by W. F. Thompson, 342 Madison Ave., New York City, 2 and 4 story, 40 x 100 ft. with 50 x 100 ft. wing fireproof building.

Conn., New London — THEATRE and OFFICE—A. S. Friend, 36 West 44th St., New York City, head of syndicate which plans 4 story and basement, brick and steel, State & Church Sts. Engineer and architect not selected.

Conn., Willimantic—HOTEL—Community Hotel, W. P. Jordon having revised plans prepared by G. B. Post & Son, 101 Park Ave., New York City, and soon takes bids, 4 story and basement, 84 120 ft. brick and steel, Main St. $350,000. Former bids rejected. Noted July 23.

N. Y., Brooklyn—THEATRE—Washington Impvt. Co., C. Shulman, pres., c/o D. P.

Buildings—Commercial (Continued)

Hall, 405 Lexington Ave., New York, plans 80 x 100 ft. brick and steel, plain foundation, Kings Highway and East 18th St. $800,000.

N. Y., Brooklyn—WAREHOUSE—J. Michaels, Inc., Smith St., having plans prepared by Magnusen & Kleinert, 250 Park Ave., New York City, rein.-con., brick and steel plain foundation, Warren St. $800,000.

N. Y., New York—APARTMENT—One Hundred Twenty Four West 79th St. Corp., H. Adelstein, pres, c/o Gronenberg & Leuchtag, 459 4th St., archts. having plans prepared 15 story, brick and steel, plain foundation, West 79th St.

N. Y., New York—BANK and OFFICE—Seamans Bank of Savings, Wall St. soon takes bids 13 story, 90 x 140 ft. brick, steel and stone, plain foundation, Wall and Pearl Sts. $5,000,000. B. W. Morris, 101 Park Ave., archt. Noted May 7.

N. Y., New York—HOSPITAL—M. Rode, c/o Beinex & Synder, 10 East 43d St., archts. having plans prepared 4 story, brick and steel, addition to hospital, plain foundation, 2 East 43d St. $200,000.

N. Y., New York—NURSES HOME—Lincoln Hospital, 141st St., and Concord Ave., having plans prepared by Starrett & Van Vleck, 393 7th Ave., alterations and brick, steel and stone addition, plain foundation, Concord Ave. $1,000,000.

N. Y., New York—OFFICE—A. Brisbane, 238 William St., soon takes bids, brick, steel and stone office, plain foundation, 5 East 57th St. $250,000. C. Roth, 119 West 40th St. archt. and engr.

N. Y., New York City—OFFICES and STORES—M. L. Cassidy, c/o W. Van Alen, archts., 331 Madison Ave., plan brick and steel, offices and stores, plain foundation, 1121 7th Ave. $250,000.

N. Y., New York—OFFICE—Estate E. A. Hoffman, Inc., 258 Bway., having plans prepared by York & Sawyer, 100 East 42nd St., 8 story addition to present building, 6th Ave. and 42nd St. $1,000,000.

N. Y., New York—OFFICE—C. A. Gould, c/o Warren & Wetmore, 6 East 47th St., archts. having plans prepared 14 story, brick, steel and stone, plain foundation, 5th Ave. and 54th St. $5,000,000. H. G. Balcom, 10 East 47th St., engr.

N. Y., New York—OFFICE—One Hundred Fifty William St. Corp., c/o Starrett & Van Vleck, archts. and engrs., 393 7th Ave. having plans prepared 19 story, 119 x 177 ft. brick, steel and stone, plain foundation, William St. between Fulton and Ann Aves. $2,750,000.

N. Y., New York—OFFICE—Ten West 47th St. Corp. c/o Margon & Glaser, archts. and engrs., 27 West 57th St., having plans prepared 14 story, 60 x 100 ft. brick, steel and stone, plain foundation, 10 West 47th St. $400,000.

N. J., Jersey City—THEATRE—B. S. Cohen, c/o C. H. Ziegler, 75 Montgomery St., archt. and engr. having plans prepared brick ,steel and stone, plain foundation, Ocean Ave. $200,000.

Pa., Bellefonte—STORE — J. Caldwell, High St., plan 3 story, 12 x 140 ft., brick, steel and concrete, $150,000. Engineer and architect not selected.

Pa, Lewiston—HOSPITAL—F. W. Black, 123 South Main St., plans 2 story and basement, 100 x 150 ft., brick and stone, South Main St. $150,000.

Pa., Montgomery—LODGE—Junior O. U. A. Mechanics, 343, West Branch Council, plan 3 story and basement, brick and steel, East Houston Ave. $150,000. Engineer and architect. Noted selected.

Pa., Phila—APARTMENT—R. Seltzer, 1433 Locust St., having revised plans prepared by W. H. Gravell & A. Hall, Otis Bldg., 12 story and basement, 40 x 71 ft., 15th and Spruce Sts. Former bids rejected.

Pa., Pittsburgh—APARTMENT HOTEL—P. Miller, Inc., 600 Majestic Bldg., Detroit, Mich., having plans prepared by H. Hornbostel, Hardy Hays Bldg., 11 story and basement, 207 x 217 ft., rein.-con., brick and stone, 5th Ave. and Dithridge St. $3,000,000.

Md., Baltimore—HOSPITAL—Johns Hopkins Hospital & Johns Hopkins University, Monument & Wolfe Sts. having plans revised by J. E. Sperry, Calvert Bldg., 8 story and basement, 169 x 238 ft. dispensary, Monument and Wolfe Sts. $1,500,000. Former bids rejected. H. F. Doeleman, 509 North Charles St., engr.

W. Va., Huntington — STORE — J. S. Fields, plans 6 story, 60 x 120 ft. store, 4th Ave. J. R. Gieske, Foster Bldg., archt.

W. Va., Institute—DORMITORY—State Bd. Control, Charlestown, having plans prepared by Warne, Tucker & Patteson, Masonic Temple, 3 story, dormitory. $150,000.

N. C., High Point—EXPOSITION—Syndicate, C. W. Finch, Thomasville, interested, plans 10 story and basement, furniture exposition building. $500,000.

Fla., Tampa—HOTEL—F. Bryson, 309 Franklin St., having plans prepared by Hentz, Reid and Adler, Tribune Bldg., 6 story, rein.-con. and steel hotel. $250,000.

O., Athens—COMMERCIAL and THEATRE—J. Ginnan, mgr., Majestic Theatre having plans prepared by J. O. Adams, 247 Broad St., Columbus, 2 story and basement, brick, steel and concrete. $150,000.

O. Cleveland — COMMERCIAL and APARTMENT—E. C. Flanigan, S. S. Rosenthal, Ulmer Bldg., plan 3 story and basement, brick and timber, East 140th St. and St. Clair Ave. $150,000. Engineer and architect not selected.

O., Cleveland—STORAGE and WAREHOUSE—Malbin Realty Co., L. & S. Malbin, 3704 East 34th St., having plans prepared by A. A. Soffen, Engineers Bldg., 4 or 5 stories, 82 x 230 ft., brick and rein.-con., East 35th St., and Croton Ave. $200,000.

O., Cleveland—THEATRE and OFFICE—A. Greenwald and S. H. Stecker, Society for Savings Bldg., having plans prepared by N. Petti, Williamson Bldg., 1 and 3 story, brick, steel and concrete, West 25th St. and Broadview Rd. $200,000.

O., Dayton—MEMORIAL HALL—Trustees Memorial Hall, G. I. Gunckel, chn., plan brick and concrete addition to Memorial Hall, 1st St. $200,000. Engineer and architect not selected.

O., Shaker Heights (Cleveland, P. O.)—APARTMENT—Myark Constr. Co., 817 Guardian Bldg., Cleveland, had plans prepared by A. W. Harris, Guarantee Title Bldg., Cleveland, 3 story and basement, 53 x 173 ft., brick, 2576 Kemper Rd. $150,000.

O., Youngstown — EXCHANGE — Ohio Bell Telephone Co., 21 East Rayen Ave., 100 x 200 ft., plans branch exchange Lobell Ave., and Southern Blvd. $250,000. Engineer and architect not selected.

O., Youngstown—SALES and SERVICE—Pennsylvania Rubber & Supply Co., had plans prepared by G. S. Rider & Co., Century Bldg., Cleveland, 1 story and part basement, 60 x 190 ft. brick, steel and timber, Woodland Ave., $150,000.

Mich., Grand Rapids—OFFICE—Grand Rapids Trust Bldg Co. having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, 13 story and basement, 88 x 88 ft. brick, steel and terra cotta. Ionia and Monroe Aves. $1,500,000.

Ill., Aurora—BANK, etc.—Aurora National Bank, 6 South Bway., soon takes bids, 8 story and basement, rein.-con., brick and steel, Main St. and Bway. $350,000. Weary & Alford, 1923 Calumet Bldg., Chicago, archts.

Ill., Aurora—LODGE—Aurora Lodge B. P. O. E., A. M. Snook, exalted ruler, takes bids in September, 3 and 5 story and basement, 50 x 70 ft. and 70 x 80 ft., rein.-con. lodge.

Ill., Chicago—APARTMENT—G. H. J. Haas, 130 North Wells St., having preliminary sketches made by P. Hansen, c/o owner, 14 story, 42 x 100 feet., 2120 Lincoln Park, West. $600,000.

Ill., Chicago—THEATRE—Balaban & Katz, Corp., having preliminary plans prepared by Fridstein & Co., 111 West Washington St., 3 story theatre, 3,000 seating capacity, Lawrence and Lipps Aves. $2,000,000.

Wis., Fond du Lac—HOTEL—Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee, having plans prepared by M. Tullgren & Sons, 425 East Water St., Milwaukee, 8 story and basement, brick and concrete, addition to Retlaw Hotel. $200,000.

Wis., Milwaukee—BANK — Herbst & Kuenzh, archts., 130 Grand Ave., take bids about Aug. 17, 2 story and basement, brick, stone and concrete, plain foundation, Vliet St., for Vliet Street State Bank, 2702 Vliet St. $150,000.

Ia., Cedar Rapids — MASONIC — Iowa Consistory, No. 2, A. A. S. R. c/o W. Runkle, plans Masonic temple here. $500,000. Engineer and architect not selected.

Neb., Lincoln—HOTEL—Lancaster Hotel Co., having plans prepared by G. B. Post & Son, 1003 Pioneer Trust Bldg., Kansas City, Mo., 11 story and basement, 100 x 142 ft., rein.-con. and brick hotel. $1,500,000.

Mo., Kansas City—APARTMENTS—C. E. Phillips Building Co., Victor Bldg., purchased site and plans group of apartments, 48th St. Ward Parkway, Roanoke, Jefferson and Pennsylvania Aves. $1,000,000. Private plans.

Mo., Kansas City—BANK and OFFICE—City Bank, 1801 Grand Ave., having plans prepared by Holden, Ferris & Barnes, 1016 Baltimore St., 7 story and basement, 84 x 115 ft., concrete and steel, 18th and Grand Sts. $600,000. Noted July 2.

Mo., Kansas City—HOSPITAL—Trinity Lutheran Hospital, had plans prepared by E. K. Lund & Co., Moline, Ill., and soon takes bids 5 story and basement, 42 x 104 ft., rein.-con., brick and terra cotta addition; also 2 story and basement, 24 x 50 ft. power house. $175,000.

Mo., Kansas City—STORE and OFFICE—Agee Block Realty & Building Co., Commerce Bldg., (representing owner), having plans prepared by Greenebaum, Schumacher & Hardy, Scarritt Bldg., 8 story, 50 x 115 ft. rein.-con. addition, plain foundation, 14th and Walnut Sts.

Mo., Kansas City—STORE and OFFICE—Browning, King & Co., 11th and Grand Sts., having plans prepared by Hoit, Price & Barnes, 800 Davidson Bldg., 9 or 12 story, basement and sub-basement, 96 x 115 ft., steel, plain foundation, 11th and Grand Sts. $700,000.

Mo., St. Louis—APARTMENT—Wagner-Grant-Bell Realty Co., International Life Bldg., having preliminary plans prepared 10 story and basement, 160 x 175 ft., rein.-con., brick and stone, Skinker and Rosebury Sts. $750,000. Private plans.

Mo., St. Louis—COMMERCIAL—Landreth Building Corp., c/o Weisels, Gerhart Real Estate Co., International Life Bldg., purchased site and plans 6 story and basement, rein.-con. and brick, Washington St. near 22d St. $250,000. Engineer and architect not selected.

Mo., St. Louis—COURT HOUSE—City c/o Pub. Service, having preliminary plans prepared by Memorial Plaza Comn., c/o Bd. Pub. Service, 12 story and tower, approximately 220 ft. high, rein.-con., brick, stone, steel and terra cotta, Plaza Ave. $4,000,000.

Mo., St. Louis—EXCHANGE—Southwestern Bell Telephone Co., Bway. and Locust St. takes bids about Aug. 21, 2 story and basement, rein.-con., brick and stone, Manchester and Lanham Aves. $250,000. Private plans.

Mo., St. Louis—HOTEL—Hotel Jefferson Co., 12th and Locust Blvds., takes bids about Aug. 21, 13 story and basement, 100 x 200 ft., rein-con., brick, steel, stone and terra cotta addition, Locust Blvd. and St. Charles St. $1,500,000. T. P. Barnett & Co Arcade Bldg., archts. Noted Dec. 11.

Tex., Abilene—HOTEL—Abilene Hotel Co., c/o F. Singleton, plans 5 or 7 story and basement, $175,000. Engineer and architect not selected.

Okla., Arapahoe—COURT HOUSE—Custer Co., having plans prepared by Sorel & Vahlberg, Oklahoma City, 2 story and basement, Court House, Main St., $160,000. Noted July 23.

Okla., McAlester — COURT HOUSE—Pittsburg Co., plans election Sept. 1, to vote $250,000 bonds for new court house. Noted March 12.

Okla., Tulsa—BUSINESS—Independent Oil & Gas Co., having plans prepared by Smith & Senter, Okmulgee, 5 story (ultimately 12 story), and basement, 77 x 140 ft., rein.-con. and steel, here. $350,000.

Okla., Tulsa—HOTEL—A. & W. J. Sophian, 405 Waldheimer Bldg., Kansas City, Mo., having plans prepared by Shephard & Wiser, 1208 R. A. Long Bldg., Kansas City, Mo. 8 story and basement, rein.-con. and brick, $1,000,000.

Ore., Portland—THEATRE—A. E. Doyle, archt., Worcester Bldg., takes bids about Sept. 15, 4 story, 100 x 200 ft., Bway and Salmon Sts., for Keller & Boyd, Benson Hotel. $500,000.

Colo., Denver—CITY HALL and COURT HOUSE—Municipality takes bids in 6 months, 4 story and basement, 350 x 500 ft., granite, steel and marble, combination city hall and court house, Civic Center. $4,000,000. Allied Architects Assn. of Denver, Insurance Bldg., archts.

Calif., Berkeley—HOTEL and OFFICE—R. O. Long Co., 2114 Shattuck Ave. (representing owner) plans fireproof hotel and office building, on Shattuck and University Aves. $1,500,000.

Calif., Los Angeles—ART CENTER—Edwards & Wildey Co., 3619 West 3d St., having plans prepared by Walker & Eisen, 700 Great Republic Life Bldg., 12 story and basement, 87 x 119 ft. 7th and Lebanon Sts. $1,000,000.

Calif., Los Angeles—OFFICE—Sun Realty Co., 1001 Lincoln Bldg., plans office building 7th and Flower Sts. $2,500,000.

Buildings—Commercial (Continued)

Calif., Los Angeles—THEATRE and OFFICE—Petroleum Securities Co., having plans prepared by Dodd & Richards, Brack-Shops Bldg., 12 story, 150 x 150 ft. 11th and Hill Sts. $2,000,000. Los Angeles, Theatres, Inc., lessee.

Calif., Pasadena — CITY HALL — City takes bids about Sept. 15th, 3 story, 338 x 351 ft. with 132 x 245 ft. patio in center, Pasadena St. $1,030,000. Bakewell & Brown, 251 Kearny St., San Francisco, engrs.

Calif., San Diego—HOTEL—Kass & Ruben, Bank of Italy Bldg., Los Angeles plan 12 story, rein.-con., 3rd and C Sts. $1,500,000.

Calif., San Francisco—HOTEL—See "Contracts Awarded."

Calif., Santa Barbara—STORE, CLUB, etc.—F. N. Dloughy, 1209 Pershing Square Bldg., Los Angeles, archt. prepared preliminary plans 5 story and basement, 100 x 107 ft. store, office, club and lodge building, with swimming pool. $400,000. Owner's name withheld.

Ont., London—HOTEL—J. M. Moore, et al. London Western Trusts Co., having plans prepared by J. G. Trainer, 100 East 42nd St., New York, hotel Richmond St., here. $250,000.

Ont., Orillia—HOTEL—Orillia Hotel Co., Montcalm Blk., plans 4 or 5 story and basement, 70 ro n, concrete, brick and steel, plain foundation hotel. $250,000. Engineer and architect not selected.

Cuba, Havana — THEATRE — E. Weil, Whitney Bldg., New Orleans, La., preparing plans rein.-con., brick and stone theatre, 3,000 seating capacity, here. $1,900,000. Owner's name withheld.

BIDS DESIRED

Mass., Amherst—HOTEL—Amherst Inn Building Com., c/o Putnam & Cox, archts., 114 State St., Boston, taking bids 3 story and basement, brick hotel, here. $160,000. Noted Aug. 6.

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Boston—HOSPITAL—Aug. 26, by Bd. Trustees, Boston Sanitorium, City Hall, 5 story and basement, brick and stone, plain foundation, out patient building, 57-62 East Concord St. To exceed $150,000. French & Hubbard, 210 South St. and Maginnis & Walsh, 100 Boylston St., engrs. and archts.

Mass., Brighton (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Mass., Cambridge (Boston P. O.)—APARTMENT—See "Contracts Awarded."

R. I., Providence — LIBRARY — Hall Memorial Library, 19 Bayside St., Edgewood, taking bids, 1 story and basement, 110 x 112 ft., brick and limestone, Broad St. To exceed $150,000. G. F. Hall, Union Trust Bldg., archt.

R. I., Providence—OFFICE—Mortgage Title & Guarantee Co., 209 Turks Head Bldg. taking bids 6 story, 58 x 135 ft., brick and steel, Westminster St. $250,000. Jackson, Robertson & Adams, 1216 Turks Head Bldg., archts.

Conn., Hartford—BUSINESS—Odd Fellows Hall Assn., 420 Main St., taking bids 4 story brick and steel, Main St. To exceed $150,000. F. C. Walz, 407 Trumbull St., archt. Noted March 19.

Conn., Hartford—THEATRE, STORE and OFFICE—M. Shulman & Sons, 1764 Park St., taking bids 3 story, 90 x 115 ft., brick and steel, Park Ave. $200,000. G. Zunner, 182 High St., archt. Noted June 25.

Conn., New Haven—CLUB and BUSINESS—Aug. 24, by Young Men's Republican Club, M. L. Smith, pres., 8 story and basement, 50 x 145 ft., brick and steel, Temple and Crown Sts. $500,000. Shiner & Appel, 185 Church St., archts. Noted June 11.

N. Y., Brooklyn—CLUBHOUSE—Sept. 7, (extended date) by McKim, Mead & White, archts., 101 Park Ave., New York City, 12 story and basement, 162 x 186 ft., brick, steel and stone, plain foundation, Boerum Pl., Schermerhorn and Livingston Sts. for B. P. O. E. 22, Brooklyn Lodge, 150 South Oxford St. $4,500,000. Noted May 21.

N. Y., New York—See "Contracts Awarded."

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Phila.—ART MUSEUM—Aug. 25, by Comrs., Fairmount Park, City Hall, having plans pre red by Borie, Trumbauer & Zantzinger, Land Title Bldg., 4 story, 111 x 217 ft., marble and stone, Fairmount Park. $5,500,000.

Pa., Phila.—BATH HOUSE—See "Contracts Awarded."

Pa., Phila.—HOSPITAL—Aug. 28, by Pennsylvania Hospital Dept., 2 story and basement, 43 x 240 ft., brick and steel, plain foundation, east service building Psychiatic Clinic, 49th and Market Sts. $250,000. A. H. Brockie, 254 South 15th St., archts. Noted May 28.

Pa., Phila.—OFFICE—Sept. 1, by E. B. Temple, asst. ch. engr., Pennsylvania R.R. System, Broad St. Station, 14 story, 150 x 250 ft., steel, $2,000,000. Graham, Anderson, Probst & White, Ry. Exch. Bldg., archts. Noted June 18.

Pa., Phila.—Y. M. C. A.—See "Contracts Awarded."

Fla., La Belle—COURT HOUSE—Oct. 6 by Comrs., Hendry Co., constructing Court House. W. T. Hull, clk., adv. E. N.-R., Aug. 20.

Mich., Eloise—HOSPITAL—Aug. 24, by H. H. Prenzlauer, secy. Wayne Co., Office Supt. of Poor, City Serv. Bldg., for Hospital H, 3 story and basement, brick, steel, rein.-con., Michigan Ave. $175,000. Maul & Lentz, 1259 David Whitney Bldg., Detroit, archts.

Ill., Chicago—APARTMENT—Sept. 15, by R. S. DeGoyler & Co., archts., 307 North Michigan Ave., 15 story and basement, 95 x 125 ft., rein.-con., wood pile foundation, 1320 North State St., for H. O. Stone & Co., 5 North Clark St. $1,800,000.

Ill., Chicago—STORE—Aug. 22, by A. Epstein, engr., 2001 Pershing Rd., 5 story and basement, 75 x 150 ft., timber, 3318-24 Lincoln Ave., for Straus & Schraw, 1105 West 35th St. $350,000.

Wis., Madison—HOTEL—Aug. 24, by M. Tullgren & Sons, archts., 425 East Water St., Milwaukee, 8 story and basement, brick and concrete addition, Fairchild St., for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. $200,000. Noted June 25.

Wis., Milwaukee—HOTEL—G. Zagel & Bro., archts., 144 Oneida St., taking bids 4 story and basement, 62 x 114 ft., brick and concrete, plain foundation, 16th St., for W. Hoffman, 5522 Washington Blvd. $200,000. Noted Aug. 13.

Wis., Sheboygan — APARTMENT—Aug. 25, by Leenhouts & Guthrie, archts., 424 Jefferson St., Milwaukee, 3 story and basement, 60 x 132 ft., brick and concrete, plain foundation, for J. Enz, 608 North 8th St. $150,000. Noted July 16.

Ia., Sioux City—EXCHANGE—Aug. 31, by Sioux City Telephone Co., Commerce Bldg., J. A. Rae, vice pres. and gen. mgr., 3 story and basement, 95 x 150 ft., rein.-con., brick and stone, 9th and Douglas Sts. $275,000. Noted June 25.

Mo., St. Joseph—CITY HALL—Sept. 8, by Bd. Pub. Wks., 3 story, 120 x 120 ft., rein.-con. and steel, concrete foundation, 10th and Frederick Sts. $500,000. Eichel & Aldrich, 1105 Corby Bldg., archt. and W. K. Seitz, St. Joseph, engr. Noted July 30.

Mo., St. Joseph—HOSPITAL—Aug. 24, by Bd. Pub. Wks., general contract for 3 story and basement, 50 x 120 ft., Garfield and South 11th Sts. $150,000. E. Meier, 203 Lincoln Bldg., archt. Noted March 19.

Mo., St. Louis — APARTMENT — See "Contracts Aw ded."

Mo., St. Louis—MORGUE—Sept. 15, by Bd. Pub. Serv., 208 City Hall, 1 and 2 story, 88 x 130 ft., rein.-con., brick and stone morgue and coroner's office buildings, 13th St. and Clark Ave. $180,000. L. R. Bowen, 301 City Hall, archt. Noted Nov. 27.

Tex., Brownsville—HOTEL—James & Dickinson, owner and Kelwood Co., Travel Bldg., San Antonio, engrs. and archts., taking bids and opens same about Aug. 25, 8 story and basement, rein.-con. hotel, $400,000. Noted Apr. 2.

Tex., San Antonio—THEATRE—San Antonio Amusement Co., c/o W. J. Lytle, Princess Theatre Bldg., taking bids 5 story (ultimately 8 story) rein.-con., brick, stone and terra cotta, plain foundation, Houston St. and the River. $1,500,000. Boller Bros., 114 West 10th St., Kansas City, Mo., engrs. and archts. Noted July 30.

Ore., Portland—MASONIC TEMPLE—Sept. 3, by H. C. Weber, 214 Porter Bldg., secy. of Masonic Temple Building Assn., 6 story, 200 x 200 ft., rein.-con., solid rock foundation, 10th and Main Sts. $1,000,000. Sutton & Whitney, Lewis Bldg., archts. Noted Dec. 4.

Calif., Long Beach—TEMPLE—Wright & Gentry, archts., Marine Bank Bldg., taking bids 3 story and basement, 100 x 150 ft. brick and hollow tile, 9th and Elm Aves. for Scottish Rite Masonic Temple Assn., $500,000. Noted Aug. 6.

Calif., Oakland—LABOR TEMPLE—Schirmer-Bugbee Co., Thayer Bldg., archt. taking bids 4 story and basement, 100x137 ft. rein.-con., 11th and Franklin Sts. for Oakland Labor Temple Assn., $400,000.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Que., St. Justine—HOSPITAL—Aug. 22, by J. Sawyer, archt., 407 Guy St., Montreal, 4 story, 80 x 100 ft., hospital, here, for Bd. Hospital St. Justine. $150,000.

BIDS RECE'VED

Mass., Boston — FIRE STATION — Fire Dept., 61 Bristol St. 3 story and basement, 40 x 75 x 90 ft., brick, limestone and granite, plain foundation, Shawmut Ave. and Tremont St. from Alco Contg. Co., 43 Tremont St., $345,000. Noted June 18.

Mass., Dorchester (Boston P. O.)—COURT HOUSE—J. P. Englert, supt. Dept. Bldgs., Boston, 1 and 2 story and basement 120 x 120 ft. brick and limestone, Melville Ave. and Washington St., from Thomas O'Connor Co., Kendall Sq., Cambridge, $210,000. Noted June 12.

Wis., Milwaukee — CLUB — Milwaukee Eagles' Club, 2401 Grand Ave., Aug. 5, general contract, 3 story and basement, 140 x 210 ft., brick, stone and concrete, Grand Ave., from Paul Reisens Sons, 1018 Humboldt Blvd., $249,672; structural steel, from Milwaukee Structural Steel Co., State St., $33,300; plumbing, from F. Kuetemeyer, 461 Milwaukee St., $24,683; heating and ventilating, from C. J. Fox & Son, 1208 Grand Ave., $69,000. Noted July 23.

Tex., San Antonio—TEMPLE—Temple Beth El, church, Jefferson and Travis Sts., M. Sterm, chn. Bldg. Com. 2 story and part basement, 76 x 115 ft. rein.-con., tile and stucco, Ashby and Belknap Sts., from C. Brient, Bldrs. Exch. Bldg. $194,715. Noted June 25.

Calif., Sacramento—CLUB—Sacramento Turn Verein, general contract, 2 story, brick and terra cotta from C. Peterson, 1023 W. St., Sacramento, $76,764.

CONTRACTS AWARDED

N. H., Durham—DORMITORY—New Hampshire State College, 3 story and basement, 45 x 130 ft., 31 x 61 ft. wing, brick and stone, to F. W. Cunningham, 181 State St., Portland, Me. $154,747. Noted Aug. 6.

Mass., Boston — APARTMENT — Castlegate Realty Corp., 20 Pemberton Sq., will build 2 unit apartment building, 4 story and basement, each unit 70 x 85 ft., brick and steel, Normandy and Washington Sts. $150,000. Work will be done by separate contracts. Noted Aug. 6.

Mass., Brighton (Boston P. O.)—APARTMENT—Hurwitz & Goldberg, 294 Washington St., Boston, will build four unit apartment building, 3 story and basement, brick and stone, Elizabeth Ave. and Allston St., here. $250,000. Work will be done by separate contracts.

Mass., Cambridge (Boston P. O.)—STORE, OFFICE and APARTMENT—M. Greenspan, 31 Milk St., Boston, will build 5 story and basement, 20,000 ft. floor space, brick and stone, plain foundation, Massachusetts Ave. and Arlington St. $750,000. Work will be done by separate contracts. Blackall, Clapp & Whittemore, 20 Beacon St., Boston, archts. Noted Aug. 20.

Mass., Dorchester (Boston P. O.)—COURT HOUSE—J. P. Englert, Dept. Pub. Bldgs., Boston, 1 and 2 story and basement, 120 x 120 ft., brick and limestone, Melville Ave and Washington St., to T. O'Connor Co., Kendall Sq., Cambridge. $210,000.

Mass., Somerville (Boston P. O.)—STORE and OFFICE—Hillson Ass'n, c/o J. A. Quirk, archt., 10 Tremont St., Boston, 2 story and basement, 80 x 100 ft., brick and stone, Bway. and Boston Ave., to F. Locatello, 46 Cornhill St., Boston. Archts. est. $150,000. Noted May 14.

R. I., Providence—APARTMENT—Wayland Sq. Realty Co., constructing Rogers Williams Apartment, here, to Barras Constr. Corp., 366 Madison Ave., New York City.

R. I., Providence—GARAGE—Providence Gas Co., Turks Head Bldg. four buildings, 1 story, 85 x 290 ft., garage, 1 story, 50 x 80 ft. boiler house, 3 story, 85 x 220 ft. service and 2 story, 45 x 85 ft. stable, all brick and steel, Potter Ave. and Dexter St. to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $300,000. Noted April 30.

Conn., Hartford—BUS STATION, etc.—Connecticut Co., 127 State St., 1 story, 100 x 240 ft., brick and steel, bus station and garage, Vine St., to Bartlett & Brainard Co., 252 Asylum St.

N. Y., Albany—THEATRE—Mark Strand Theatre Co., 48th St., and Bway., New York City, brick, steel and stone, theatre, plain foundation, South Pearl and Howard Sts., to M. Shapiro & Son, 1540 Bway., New York City. Archts. est. $500,000.

N. Y., New York—APARTMENT—Desider Realty Corp., c/o C. Kreymborg & Son, archts. and engrs., 2534 Marion Ave., will build, 6 story, 93 x 100 ft., brick, steel and stone, plain foundation, Marion Ave. and 188th St., by day labor. $250,000.

N. Y., New York—APARTMENT—Laku Realty Corp., c/o E. Roth, archt., 119 West 40th St., will build 14 story and basement, 46 x 200 ft., brick, steel and stone, plain foundation, 119 West 57th St., by day labor. $1,200,000.

N. Y., New York—APARTMENT—Six Hundred and Seven West End Ave., Corp., c/o R. Candella, archt., 200 West 72nd St., will build 16 story, 70 x 73 ft., brick, steel and stone, plain foundation, 606 West End Ave., by day labor. $500,000.

Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—Kingsbridge Impvt. Co., c/o E. Roth, archt., 119 West 40th St., will build, 14 story, 100x142 ft., brick, stone and steel, plain foundation, 5th Ave. and 43rd St. by day labor. $1,300,000.

N. Y., New York—HOSPITAL—B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., Bronx General Hospital, East 167th St. and Walton Ave. general contract to Lustbader Constr. Co., 101 Park Ave., $2,142.00, plumbing, etc., to P. F. Kenny Cons. Co., 33 Old Bway, $261,800, heating and ventilation, etc., to Baker Smith Co., 576 Greenwich St., $385,700; electrical work, to General Electric Insp. Co., 237 Fulton St., $53,962. Noted Aug. 13.

N. Y., New York—THEATRE—Coolidge Theatre Corp., S. Horowitz, pres., 50 East 41st St., brick, steel and stone theatre, plain foundation, 17th St. and Bway., to M. Shapiro & Son, 1540 Bway. Archts. est. $350,000.

Pa., Phila. — APARTMENT — Branson Bond & Mfg. Co., Stock Exchange, and Watson Co., archts., 15 Park Row, New York City, will build 8 story and basement, 60 x 220 ft., brick and steel, plain foundation, 4111 Walnut St., by separate contracts. $900,000.

Pa., Phila.—APARTMENT—Owner, c/o E. A. Roth, archt., Drexell Bldg., will build 4 story and basement, 82 x 142 ft., brick, plain foundation, Broad St. $225,000. Work will be done by separate contracts.

Pa., Phila. — BANK — H. Trumbauer, archt., Land Title Bldg., 2 story basement and mezzazine, 50 x 96 ft., brick, plain foundation, 1104-6 West Lehigh St., to D'Lutz & Co., 23d and Chestnut Sts. Archts. est. $250,000.

Pa., Phila. — BATH HOUSE — A. O. Lucker, 34th and Haverford Sts., will build 3 story and basement, 40 x 140 ft., Russian and Turkish Bath House, brick and steel, Pine St., between 60th and 61st Sts. Work will be done by separate contracts. J. S. Fuller, 5433 Locust St., archt.

Pa., Phila.—HOSPITAL—Dept. Health, W. Krusen, dir., City Hall, general contract 4 story and basement, 45 x 126 ft. and 2 story and basement, 94 x 124 ft. clinic, 5 story and basement, 50 x 113 ft. and 31 x 85 ft. Children's Ward A, 5 story and basement, 50 x 113 ft. and 30 x 83 ft. each, Women's Surgical Ward C, Men's Surgical Ward D, Women's Medical Ward E, Men's Medical Ward F and Maternity Ward G with connecting corridors, rein.-con., brick and steel, 34th and Pine Sts. to F. W. Mark Contg. Co., Commercial Trust Bldg., $2,683,095. Noted Aug. 6.

Pa., Phila.—Y. M. C. A.—J. H. Steele, pres., 1417 29th and Arch Sts., will build 1 story and basement, 125 x 170 ft., and 4 story and basement, 30 x 40 ft., brick and steel additions, plain foundation. $200,000. Work will be done by separate contracts. Private plans.

Fla., St. Petersburg—HOTEL — Allen Fuller Corp., 3 and 4 story, rein.-con. and steel hotel, to G. T. Fuller Constr. Co., Miami and St. Petersburg. Archts. est. $375,000.

O., Cleveland—APARTMENT—J. E. Glaser, Ulmer Bldg., 3 story and basement, 100 x 100 ft., brick and steel, West Blvd., to M. Berkhoff, 3346 East 135th St. Archts. est. $200,000. Noted July 9.

O., Cleveland — APARTMENT — Greenwald & S. H. Stecker, Society for Savings Bldg., three 3 story apartments and commercial building, East 142nd St. and Kinsman Rd., to M. Sadi, 3611 East 118th St. Archts. est. $250,000. Noted July 30.

Mich., Iron Mountain — HOTEL — Iron Mountain Hotel Corp., c/o E. Bergendahl Co., 155 North Clark St., Chicago engr. 6 story and basement, 127 x 130 ft. brick, steel and concrete to Worden-Allen Co., Port Washington Ave., Milwaukee. Engrs. est. $650,000. Noted April 23.

Ill., Niles Center—APARTMENT—J. L. Goldman, 339 West Berry St., Fort Wayne, Ind., 3 story and basement, brick, concrete and stone, Oakton and Lincoln Sts., to G. F. Nixon & Co., Niles Center. Archts. est. $175,000.

Ill., Springfield—HOME—St. Joseph's Old Folks' Home, c/o M. Pacifica, Immaculate Conception Convent, Peoria, general contract, 3 story, 160 x 260 ft., brick, concrete and stone, to J. C. Reiger, 435 West Edwards St. $250,000.

Wis., Milwaukee—BUSINESS—M. Tullgren & Son, archt., 425 East Water St., 2 story and basement, 20 x 60 ft., and 62 x 120 ft., rein.-con. and brick, plain foundation, Jefferson and Mason Sts., to W. Winter & Son, 1025 2nd St., for G. Watts & Son, 424 Milwaukee St. Archts. est. $150,000. Noted May 21.

Mo., Jefferson City—HOTEL—Realty Holding Co., 1132 Arcade Bldg., St. Louis, general contract, 6 story and basement, 102 x 140 ft., rein.-con., brick and stone, Adams and High Sts., to Mid Continent Co., 1132 Arcade Bldg., St. Louis, $500,000. Noted June 25.

Mo., St. Louis—APARTMENT — Trade Realty & Investment Co., 111 North 7th St., will build 7 story and basement, 150 x 155 ft., rein.-con., brick, stone and terra cotta apartment, also 1 story, 52 x 100 ft. garage, Lindell St. and Vanderventer Ave., by day labor. $450,000. N. B. Howard, 1104 International Life Bldg., archt.

Mo., St. Louis—EXCHANGE—Southwestern Bell Telephone Co., Bway. and Locust St., 2 story and basement, 123 x 137 ft., rein.-con., brick and stone, Washington St. and Spring Ave., to H. Lloyd Building & Constr. Co., Syndicate Trust Bldg., $250,000. Noted May 21.

Mo., St. Louis—STORE, etc.—Grand & St. Louis Realty and Investment Co., Grand and St. Louis Aves., 3 story and basement, 130 x 152 ft., rein.-con., brick and stone, Grand and St. Louis Aves., to T. Ratz, 917 Pine St., $175,000.

Tex., Wichita Falls—HOSPITAL—Voeleker & Dixon, archts., 312 Morgan Bldg., 4 story, 60 x 168 ft., brick, stone and rein.-con., to R. H. Brown, McKinney, $198,000, for State Bd. Control. Noted March 19.

Okla., Stillwater—ADMINISTRATION—State Bd. Agriculture, Oklahoma City, 3 story and basement, 78 x 262 ft., rein.-con., brick and stone, general contract, to Kreipke-Schafer, Herskowitz Bldg., Oklahoma City, $237,970. Archts. est. $260,000.

N. M., Albuquerque — HOSPITAL — Atchison, Topeka & Santa Fe Ry., Railway Exch. Bldg., Chicago, Ill., 3 story, brick and rein.-con. hospital, here, to R. E. McKee, 1916 Texas St., El Paso, Tex., $154,405.

Ore., Portland—OFFICE—A. E. Doyle, archt. and engr., Worcester Bldg., 12 story, 75 x 200 ft., rein.-con., plain foundation, 5th, 6th and Yamhill Sts., to Hansen, Hammond & Clist, Pittlock Blk., for Corbett Estate, Corbett Bldg. $1,000,000. Noted June 4.

Calif., Los Angeles—GARAGE and OFFICE—Pacific Mutual Life Insurance Co., 523 West 6th St. 3 story, 59 x 326 ft. steel and concrete addition over underground garage, Olive near 6th Sts., to W. Simpson Constr. Co., 915 Bank of Italy Bldg., $500,000. Noted April 2.

Calif., Sacramento—POST OFFICE and EXPRESS STATION—Southern Pacific R.R. Co., 65 Market St., San Francisco, 1 and 2 brick, timber, and rein.-con. post office and express depot to W. C. Keating, Forum Bldg., Sacramento, $165,000.

Calif., San Bernardino—WAREHOUSE—Associated Warehouse & Truck Co., 2 story, 200 x 215 ft. rein.-con. 4th and D St. to Los Angeles Building & Constr. Co., Rives-Strong Bldg., Los Angeles. Approximately $150,000.

Calif., San Francisco—APARTMENTS—H. C. Hogrefe, 273 20th Ave. will build 6 story and basement, steel and concrete, Clay and Powell Sts. by day labor. $150,000. E. E. Young, 2002 California St., archt.

Calif., San Francisco—HOTEL—H. Warwick, 3769 Jackson Ave., will build 6 story and basement, rein.-con. Jones St. by day labor. $150,000 to $165,000. Noted July 23.

Calif., San Francisco—THEATRE—T & D Jr. Enterprises, Inc., 150 Leavenworth St., rein.-con. theatres, Polk St. near Green St. to J. S. Malloch, 180 Jessie St., $185,250. Noted July 23.

B. C., Vancouver.— GARAGE — Vancouver Motors, Ltd., 254 Kingsway, 3 story, 120 x 125 ft. rein.-con. fireproof, Seymour and Smythe Sts., to Poole Constr. Co., 850 Hastings St., W., Vancouver, $150,000. Noted April 9.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Charlestown (Boston P. O.)—HIGH SCHOOL—School-house Dept., City Hall, Boston, having plans prepared 2 story and basement, brick addition to Charlestown High School, to incl. manual training dept. Monument Sq., here. $150,000 or more. Private plans.

Mass., Cohasset — SCHOOL — Town, School Comn. Town Hall, having new plans prepared by W. H. McLean, 88 Tremont St., Boston, 1 story, 125 x 140 ft. brick and stone, Summer and South Main Sts. $150,000. Former bids rejected. Noted May 14.

Mass., Gardner — HIGH SCHOOL—School Bldg. Comn. having sketches made by Guilbert & Betelle, 20 Brandford Place, Newark, N. J., 2 story, brick high school. To exceed $150,000. Noted Dec. 25.

Mass., New Bedford — SCHOOL — City School Com. having plans prepared by W. Tallman, 258 Union St., South Junior High School, 2 story and basement, brick, Cleveland St. To exceed $150,000.

Mass., West Gloucester (mail Gloucester) —CHURCH—St. Ann's Roman Catholic Church, M. D. Kiley, pastor, 60 Prospect St., plans 1 story, brick and stone, Essex Ave., $150,000. Engineer and architect not selected.

Mass., Woburn—CHURCH—First Baptist Church, W. Hammond, 25 Franklin St., pastor, having sketches made by C. B. Dunham, 6 Beacon St., Boston, 2 story and basement, brick and stone, Woburn Centre. $150,000.

Conn., Hartford — SCHOOL — South School Dist. having sketches made by Whiton & McMahon, archts., 36 Pearl St. 3 story and basement, 125 x 165 ft. brick addition, to Chauncy Harris School, 72-78 Hudson St., $400,000.

N. Y., Buffalo—SCHOOL—Bd. Educ., Genesee Bldg., plans addition to s hool 62, Urban St. $225,000.

Ill., Moline—CATHEDRAL—Moline Lodge of Perfection, plans Scottish Rite Cathedral, 8th and 18th Sts. $350,000 to $400,000. Engineer and architect not selected.

Ill., Rockford — HIGH SCHOOL — Bd. Educ. takes bids in September, Abraham Lincoln School, 2 story and basement, rein.-con., brick and steel, plain foundation. Charles St. $150,000. Peterson & Jackson, school archt. Noted Oct. 23.

Mo., St. Joseph—COLLEGE—Christian Brs., 1225 Henry St., plans 3 story and basement, college, here. $250,000. Engineer and architect not selected.

Tex., Coleman—HIGH SCHOOL—Bd. Educ., c/o B. F. Robey, secy. having plans prepared by W. G. Clarkson & Co., First Natl. Bank Bldg. Ft. Worth, rein.-con., brick and stone, high school. $150,000.

Okla., Tulsa—CHURCH—Baptist Church of Tulsa, W. O. Anderson, pastor, having plans prepared by C. Woodruff, Fort Worth, 2 story and basement, 90 x 140 ft., rein.-con. and brick, plain foundation. $175,000.

Calif., Santa Barbara—HIGH SCHOOL—Junior High School Dist., having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 2 story, rein.-con. junior high school. $600,000.

BIDS DESIRED

Me., Portland—SCHOOL—City, E. C. Robinson, chn. Bldg. Com. taking bids, 2 story and basement, brick school, Brown St. $150,000. Miller & Mayo, 465 Congress St., archts. Noted Aug. 6.

R. I., Cranston—SCHOOL—School Bldg. Comn. taking bids 2 story and basement, brick and stone, Park Ave. To exceed $150,000. W. R. Walker & Son, 49 Weybosset St., Providence, archts. Noted July 16.

Conn., New Britain—SCHOOL—City, J. M. Halloran, chn. School Bd., taking bids 2 story and basement, 16 rooms, brick and steel, Steele St. and Corbin Ave. $285,000. W. P. Crabtree, 272 Main St., archt. Noted Aug. 13.

N. Y., Brooklyn—SCHOOL—Sept. 2, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., P. S. 219, Clarkson Ave., for Bd. Educ., 500 Park Ave., New York City. Noted Aug. 6.

N. J., Atlantic City—SCHOOL—Aug. 31, by School Bd., 3 story and basement, 160 x 210 ft. rein.-con. and brick, plain foundation, New Jersey Ave. H. A. Stout, Guarantee Trust Bldg., archt. Noted Jan. 1.

Pa., Phila.—HOUSE OF CORRECTION Aug. 25, by Director Pub. Welfare, City Hall, Holmesburg House of Correction, 2 story, 133 ft. main building, with wings A, B, and C, each 2 story and basement, 48x163 ft., D, 48x307 ft., E, 48x235 ft., and F, 48 by 189 ft., stone, plain foundation, $1,000,000. P. H. Johnson, 1713 Sansom St., archt.

D. C., Wash.—SCHOOL—Aug. 28, by Dist. Comrs., for Brightwood School. $275,000.

Wis., Milwaukee — GRADE SCHOOL—Aug. 27, by School Bd., F. Harbach, secy., 3 story and basement, 124 x 130 ft., brick, tile and concrete, plain foundation, 55th and Galena Sts. $350,000. Van Ryn & De Gelleke, 10th and Prairie Sts., archts. Noted July 30.

Minn., Luverne—SCHOOL—Sept. 5, by Bd. Educ., superstructure for 3 story rein.-con., brick and stone school, here. $275,000. Architectural Co., Luverne, archts. Noted July 2.

Minn., Virginia — GRADE SCHOOL — Sept. 30, by Bd. Educ., 2 story and basement, 93 x 144 ft., brick, tile and concrete addition, concrete foundation, Williams St. $150,000. C. W. Kelly 505 Palladio Bldg., Duluth, Minn., archts.

Kan., Topeka—HIGH SCHOOL—Aug. 24, by Bd. Educ. c/o M. C. Holman, secy., Junior High School, 2 story and basement, 77 x 120 ft., and 62 x 106 ft. rein.-con., brick

Buildings—Educational, Religious (Cont.)

and stone, 3d and Buchanan Sts. $150,000. T. W. Williamson & Co. 212 Central Natl. Bldg., archts. Noted July 23.

Neb., Falls City—HIGH SCHOOL—Sept. 3, by Bd. Educ., F. Brecht, secy., 3 story and basement, 175 x 210 ft., rein.-con., brick and stone, here. $250,000. Fiske, Meginnis & Schaumberg, 533 Bankers' Life Bldg., Lincoln, archts. Noted Aug. 6.

BIDS RECEIVED

Conn., Windsor—SCHOOLS—Bd. Educ., C. B. Searle, chn., general contracts 2 schools 6 and 8 rooms, brick and steel, Wilson Station and Town Center, from Eastern Eng. & Constr. Co., 945 Main St., Bridgeport, $50,421 and $64,769 respectively. Noted Aug. 3.

Pa., Phila. — LIBERAL ARTS — Sesqui Centennial International Exposition, W. F. Kendrick, pres., 1 story, 392 x 970 ft., League Island Park, from M. Melody & Son Co., Inc., 1322 Race St., $974,000.

CONTRACTS AWARDED

N. Y., Long Island City—SCHOOL—Bd. Educ., 500 Park Ave., New York City, P. S. 114, Cronston Ave., to Hayson Constr. Co., Averne, $359,500, heating to Heating Control Serv. Co., 559 Park Pl., New York City. Noted July 9.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., addition to P. S. 21, Spring St. from Mott to Elizabeth Sts. to Concord Constr. Co., 476 Seneca Ave., Brooklyn. $522,522, heating to D. J. Rice, 405 Lexington Ave., $66,941. Noted July 30.

Pa., Bloomsburg—HIGH SCHOOL—School Bd., R. A. McCochran, secy., Junior High School, 2 story and basement, brick, plain foundation, Center and 1st Sts., to C. McCaul Co., 1713 Sansom St., $318,000, heating and ventilating, to E. Keeler Co., Williamsport, $53,996. Noted June 30.

Pa., Pittsburgh—CHURCH—East End Christian Church, Alder St., 4 story and basement, Alder St., to S. G. Baldensperger, Lloyd Bldg. Archts. est. $400,000. Noted July 9.

D. C. Wash. — AUDITORIUM — Dist. Comr auditorium addition to MacFarland Junior High School, to Schneider-Spliedt Co., 1416 F St., N.W., $99,700.

Fla., St. Petersburg—HIGH SCHOOL—Bd. Pub. School for Pinellas Co., Clearwater, 3 story, rein.-con., brick and stone, general contract to F. J. Mason, St. Petersburg. Archts. est. $700,000. Noted April 2.

La., Shreveport—CHURCH—King's Highway Christian Congregation, 1 story and basement, 50 x 130 ft. brick, stone, terra cotta, King's Highway and Line St. general contract to McConnell & McCon, Shreveport, Engrs. est. $250,000.

Minn., Minneapolis — SCHOOLS — Bd. Educ., G. F. Womrath, 305 City Hall, supt., general contract, two 3 story and basement rein.-con., brick and tile schools, one at 42nd Ave S. and 36th St., to Bracker Constr. Co., 752 Builders' Exch., $279,688, and other at 13th Ave. S. and 25th St., to J. C. Nelson & Son, 915 Northeast Bway. $281,000. Noted July 23.

Neb., Omaha—SCHOOL—Bd. Educ. general contract, 2 story and basement, fireproof, 31st and Jackson Sts., to A. C. Buck Sunderland Bldg., $137,682; heating and ventilating, to J. J. Hanighen Co., 617 South 14th St., $33,000.

Mo., St. Louis—CHURCH—Ludwig & Dreisoerner, archts., 3543 Humphrey St., general contract, 2 story, 80 x 159 ft., granite, brick and timber, 4100 Humphrey St., for Holy Family Roman Catholic Congregation, J. F. Reuther, pastor, to F. H. Leibinger, 4103 Wyoming St. Archts. est. $150,000. Noted July 2.

Federal Government Work

PROPOSED WORK

Ga., Savannah — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C. rejected bids and will readvertise on same plans, remodeling Marine Hospital, here. Noted July 23.

Ala., Florence—Bridge—U. S. Engineer's Office, rejected bids for bascule bridge (Strauss Design) over Navigation lock, Wilson Dam. Noted May 28.

BIDS DESIRED

N. Y., New York—Dredging—Sept. 14, at U. S. Engineer Office, Second Dist., Room 616, Army Bldg., dredging and rock removal in New York and New Jersey channels; adv. E. N.-R., Aug. 20.

N. Y., Staten Island—Acetylene Cylinders—Sept. 2, by Supt. Lighthouse, 150 acetylene cylinder, 1,060 ft. capacity, complying with I.C.C. Specification.

N. Y., Staten Island—Buoys—Aug. 31, by Supt. Lighthouse, 19 bell buoys, 2 whistling buoys, 25 tall type can and nun buoys, 54 can and nun buoys, 93 special welded can and nun buoys, etc.

Pa., Phila.—Paving—Spec. 5137—Sept. 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving at Navy Yard, here.

Pa., Phila.—Steel Tank—Spec. 5113—Aug. 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 50,000 gal. steel tank and tower tank heater, foundations, pumps, etc., here.

Md., Perry Point—Kitchen and Mess Building—Sept. 15, by U. S. Veterans' Bureau, Room 791, Arlington Bldg., Wash., D. C., kitchen and mess building, roads, etc., at U. S. Veterans' Hospital 42, here; adv. E. N.-R. Aug. 20.

D. C., Wash.—Steel, etc.—Aug. 31, at office A. L. Flint, genl. purch. officer Panama Canal, for steel sash sticking machine, fire brick, wire, cable, vacuum tubes, transformers, etc.

Ala., Florence—Paving—Sept. 10, at U. S. Engineer's Office, vitr. brick paving roadway of Wilson Dam, Tennessee River. Adv. E. N.-R. Aug. 20.

Ala., Florence—Roof—Sept. 8, by U. S. Engineer Office, tile cover on lead gallery roof, Wilson Dam, Tennessee River; adv. E. N.-R. Aug. 20.

Ala., Mobile—Dredging—Sept. 15, by U. S. Engineering Office, dredging in Mobile Bay Channel; adv. E. N.-R. Aug. 20.

Ala., Mobile—Remodeling—Sept. 3, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling post office, here.

O., Sandusky—Post Office—Sept. 22, by Treas. Dept., J. A. Wetmore, acting Supervising Archt., Wash., D. C., 1 story and basement, brick and stone post office, here; adv. E. N.-R. Aug. 20.

Ind., Evansville—Remodeling—Sept. 2, by Treas. Dept., at Office Supervising Archt., Wash., D. C., remodeling post office, here.

Mich., Detroit—Borings—Aug. 31st, by U. S. Lake Survey Office, Old Customhouse, diamond drill borings, in St. Lawrence River., adv. E. N.-R. Aug. 20.

Minn., Fairmont—Post Office—Sept. 1st. at Office Supervising archt., Treasury Dept., Wash., D. C., constructing post office, here.

Tex., Galveston — Dredging, etc. — Sept. 12, at U. S. Engineers Office, dredging Sabine-Neches Waterway, Texas, also removing port iron of Sabine-Neches Canal Guard Lock., adv. E. N.-R. Aug. 20.

BIDS RECEIVED

Mass., Boston—Water Piping—Treas. Dept., Wash., D. C., removing present water piping and installing new in U. S. Appraisers Store, here, from Low & Robbins Co., 44 Lowell St., Boston, $15,088. Noted July 16.

Mass., Boston—Dredging—U. S. Engineer's Office, Custom House, dredging in Broad Sound, Boston Harbor, from G. H. Breyman & Bros., 172 Condor St., East Boston, at $0.57 per yd. Noted July 9.

Conn., Danbury—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, from W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $5,152. Noted July 23.

La., New Orleans—Hospital and Quarters—Treas. Dept., at office Supervising Archt., Wash., D. C., nurses quarters, etc., at Marine Hospital, here, from J. W. Bick, New Orleans, La., $11,500. Noted May 28.

S. D., Hot Springs—Hospital—U. S. Veterans' Bureau, Room 791 Arlington Bldg., Washington, D. C., Aug. 4. From Madsen-Peterson, Inc., 646 Builders' Exchange, Minneapolis, Minn., 1a $308,967, alternate $542,692; Items 2a and 3a from T. E. Thomas Plumbing & Heating Co., 2250 Washington St., Ogden, Utah, 2a $38,144 and 3a $41,329 from Aberdeen Eng. Co., Aberdeen, S. D., 4a $15,526; elevators from S. Heller Elevator Co., Columbus, O. $9,072; ice making and refrigerating machinery from United Iron Wks., 301 Ridge Arcade, Kansas City, Mo. $14,600. Noted June 25.

CONTRACTS AWARDED

Conn., New Haven—Dredging—U. S. Engineer Office, Providence, R. I., dredging in harbor, here, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., $54,119. Noted July 16.

Pa., Phila.—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling steam engine in Court House, here, to Richard Morton, Equitable Bldg., Baltimore, Md., $8,747. Noted July 23.

Md., Baltimore—Extension—Treas. Dept., office Supervising Archt., extensions to Marine Hospital, here, to H. E. Crook Co., 28 Light St., $8,670.

D. C., Wash.—Alterations—Bureau Yards & Docks, Navy Dept., alterations to buildings at Naval Hospital, here, to G. G. Loehler Co., Franklin Natl. Bank Bldg., (1) $24,750, (2) $21,000, (3) deduct $360. Noted July 30.

D. C., Wash.—Pipe Line—U. S. Engineer Office, War Dept., Wash., D. C., constructing 2nd and 3rd high pipe lines, to Lock Joint Pipe Co., Ampere, N. J., $626,135. Noted Aug. 6.

Ala., Bessemer — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling post office, here, to Devault & Deitrick, Canton, O., $15,500.

Ala., Florence—Bridge—U. S. Engineer's Office erecting bascule bridge, over navigation lock, Wilson Dam, to Newport News Shipbuilding & Dry Dock Co., Newport News, Va. $73,700. Noted May 28.

Ala., Florence—Crane—U. S. Engineer Office, gantry crane at Wilson dam to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $52,000. Noted June 11.

Ky., Louisville—Wicket Irons, etc.—U. S. Engineers Office, Box 72, wicket irons, horses and props for Dam 47, Ohio River, to Amer. Car & Fdry. Co., Jeffersonville, Ind., $51,820. Noted July 9.

Ill., Chicago—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., renewing downspouting in post office, here, to Nilson Bros., 3222 North Halsted St., $45,546. Noted July 30.

Montana—Roads — Bureau Pub. Rds., Missoula, grading, graveling and bridging 5.3 mi. Copper Creek Forest Development Rd. Project, Missoula Natl. Forest, to G. A. Sullivan, Troy, Mont. $57,838; grading, etc., 8.7 mi. Forest Highway Rd. Project, Madison Natl. Forest, to Pioneer Constr. Co., Bozeman, Mont., $24,853.

Washington — Bridges—Dept. Interior, Wash., D. C., constructing 5 rein.-con. and 2 rustic log bridges, and 3 or more rein.-con. culverts in Mt. Ranier Natl. Park, to Feldschau & Chaffee, Tillamook, Wash., approximately $57,846.

T. H., Pearl Harbor—Wash Borings—Spec. 5143—Bureau Yards & Docks, Navy Dept., Wash., D. C., wash borings, at naval operating base, here, to A. Pope, 4722 15th St. N. W., Wash., D. C., $18,900.

P. I., Canacao—Hospital—Spec. 5051—Bureau Yards & Docks, Navy Dept., Wash. D. C., constructing Naval hospital, here to J. E. Grant, 129 Calle Padre Fanra, Manila, Items 14, 15(a), 15(b), 15(d), 15(e), $384,000. Noted Aug. 6.

Unclassified

PROPOSED WORK

Tunnel—Roxbury (Boston P. O.), Mass.—City Planning Bd., City Hall, Boston, plans extending Washington St. Tunnel to Dudley St., here. To exceed $25,000. F. H. Fay, chn.

Playground—West Roxbury, Mass.—Street Layingout Dept. Boston, plans constructing school playground, Beach St., $25,000. J. F. Sullivan, secy.

Pavilion—Perrysburg, N. Y.—City plans 2 new hospital pavilions at J. N. Adams Memorial Hospital here. $200,000.

Transmission Line—Missouri—Buchanan Co. Transmission Co., St. Joseph, plans 66,000 v. transmission line between point 2 mi. south of Rushville and St. Joseph. $130,000. J. Barfield, St. Joseph, engr.

Electric Light System—Hinton, Okla.—Election soon to vote $25,000 bonds electric light system. Benham Engr. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Wharf—San Pedro, Calif.—City of Los Angeles soon takes bids 50 x 1100 ft. creosoted frame pier, at berth 228, A and B. $175,000. G. F. Nicholson, Los Angeles Harbor Comn., ch. engr.

Swimming Pool—Santa Barbara, Calif.—See "Buildings, Commercial."

Harbor Improvements—Quebec, Que.—Dept. Pub. Wks., Parliament Bldgs., Ottawa, plans harbor improvements, here. $5,000,000.

Dry Dock—Esquimalt, B. C.—Dept. Pub. Wks., Parliament Bldgs., Ottawa plans constructing dry dock, here. $1,600,000.

BIDS DESIRED

Heating and Ventilating System—Boston, Mass.—Aug. 26, by Bd. Trustees, City Hall, heating and ventilating system in

Unclassified (Continued)

out patient building, Boston Sanitorium, 57-61 East Concord St., $25,000. Maginnis & Walsh, Boston, archts.

Breakwater—Bronxville, N. Y.—Sept. 1, by Westchester Co., Park Comn., 72 West Ponfield Rd., constructing breakwater at Glen Islands Park, incl. excav., grading, etc. J. Downer, ch. engr.; adv. E. N.-R. Aug. 20.

Signal Units—Buffalo, N. Y.—Aug. 28 by City, Police Headquarters, J. Grimm, ch. Police Signal System, 30 traffic control adjustable signal units, and 15 control switches, variometer type.

Screens, etc.—New York, N. Y.—Aug. 28, by Bd. Transportation, 49 Lafayette St., protective screens in shafts of 7th Ave., Lexington Ave., 14th St. Eastern and Bway. 4th Ave. Rapid Transit R. R. of Manhattan and Brooklyn.

Jetties—Cape May, N. J.—Sept. 1, by P. A. Volcker, city mgr., for appurtenant work, of system of pile and timber jetties on Beach Front. L. E. Miller, city engr.; adv. E. N.-R. Aug. 20.

Causway—Tampa, Fla.—Aug. 28, by W. T. Williams, chn. Hillsborough Co., for 22d St. causway, for East Tampa Special Road and Bridge Dist. 2, 18,000 cu.yd. regular excav. 365,000 cu.yd. dredged excav., 89,250 sq.yd. vitr. brick paving, etc. W. A. Dickinson, clk.

Turbine Generator Unit, etc.—Moorhead, Minn.—Aug. 28, at office of R. G. Price, city clk., turbine generator unit and condensers, boiler, etc. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs.; adv. E. N.-R. Aug. 20.

High Tension Lines, etc.—Waco, Tex.—See "Contracts Awarded."

Electric Light Line—Oklahoma—See "Contracts Awarded."

Tunnels, etc.—Los Angeles, Calif.—See "Dams."

Wharf—Matane, Que.—Aug. 25 by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldg., Ottawa, constructing superstructure and repairing government wharf, Matane Co., here. $50,000.

Wharf—Port au Saumon, Que.—Aug. 26 by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, reconstructing portion of wharf in Charlevoix Co., here. $20,400.

Wharf—St. Andre, Que.—Aug. 26 by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, repair to rip rap stone walls Kamouraska Co. here. $11,800.

Bank Protection—Revelstoke, B. C.—Aug. 28, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, for the construction of bank protection, on the Columbia River, Kootenay Dist. $17,000.

Breakwater—Dingwall, N. S.—Aug. 27, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, for constructing breakwater in Aspy Bay, Victoria Co., here. $25,000. Noted July 23.

Breakwater—Hall's Harbor, N. S.—Aug. 28, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, constructing extension to breakwater, Kings Co., here. $11,000.

Breakwater—Saulnierville, N. S.—Aug. 27, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, for constructing extension to breakwater in Digby Co., here. $6,300.

BIDS RECEIVED

Street Lighting System, Akron, O.—See "Streets and Roads."

CONTRACTS AWARDED

Stadium—Phila., Pa.—Day & Klauder, archts., Franklin Bank Bldg., rein.-con., double decking present stadium 33d and Spruce Sts., general contract to Turner Constr. Co., 1713 Sansom St., for University of Pennsylvania. P. M. Wilson, chn. Noted June 25.

Stadium—St. Louis, Mo.—Washington University, Forsythe and Skinker Blvd., general contract, 2 story and basement, 150 x 180 ft., rein.-con., brick and stone athletic field house with running track and courts, etc., 7,500 seating capacity, on Campus, to Gamble Constr. Co., 620 Chestnut St., $300,000. Noted June 25.

High Tension Lines, etc.—Waco, Tex.—Texas Public Utilities Co., will build high tension lines from Lockhart toward San Marcos and from Lockhart toward Bastrop, and will continue to New Braunfels and connect with Comal Power Co. plant, by day labor. $300,000.

Electric Light Lines—Oklahoma—Southwest Light and Power Co., 517-22 Braniff Bldg., Okla., will build 7½ mi. lines from Tipton to Headrick, 28½ mi. from Temple to Grandfield, 10½ mi. Temple to Hastings, 10 mi. from Waurika to Hastings and 7½ mi. from Grandfield to city water line, by day labor. Private plans.

Pier — Burlington, Ont. — Dept. Public Wks., Parliament Bldg., Ottawa, reconstructing harbor pier here to Randolph McDonald Co., Ltd., Crown Office Bldg., Toronto, $32,100. Noted June 11.

Materials

BIDS DESIRED

Vacuum Pump—Cleveland, O.—Aug. 26, Comrs., Cuyahoga Co., L. Simon, clk., Court House, for 1 vacuum pump.

Transformer Coils—Milwaukee, Wis.—Aug. 25, by Central Bd. Purchases, 850 street lighting transformer coils.

Pipe—Dallas, Tex.—Taking bids 200 tons 6 in. c.i. pipe, class B, B & S, or De Lavaud in 12 to 16 ft. lengths $12,000, also 12,000 ft. 6 in. tile pipe No. 1,200 ft. 8 in. 275 ft. 18 in. d.s. tile pipe No. 1, 500 ft. 6 x 6 in. special tile wyes No. 1. $6,000. E. A. Kingsley, engr.

Cable—Melbourne, Australia—Nov. 9, by Secretary State Electricity Comn. of Victoria, 32 Williams St., 0.5 mi. 0.25 sq.in., 13 mi. 0.1 sq.in., and 1 mi. 0.0225 sq.in. 3 core, also 5 mi. 4 core, 6,600 v. cable; and 2 mi. 4 core, 660 v. cable, etc.

Wire—Melbourne, Australia—Oct. 10, by Postmaster General, Postmaster Generals Dept., 1,015 to 1,585 mi. annealed and tinned, enamelled and rubber insulated or silk impregnated and insulated telephone wire.

Telephone Cable—Melbourne, Australia—Oct. 20, by Deputy Postmaster General, Postmaster Generals Dept., 833 to 1,585 mi. silk and cotton insulated telephone cable.

CONTRACTS AWARDED

Paving Blocks, Brooklyn, N. Y.—J. A. Guider, boro pres., Boro Hall, 75,000 granite paving blocks, to Hildreth Granite Co., Inc., 150 Nassau St., New York City, $10,425, 80,000 wood paving blocks, to Southern Wood Preserving Co., 10 East 43rd St., New York City, $4,200. Noted Aug. 6.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: August 25

Sanitary and Storm Water Sewer System

Bradenton, Fla.

Sealed proposals, addressed to City of Bradenton, care R. K. Van Camp, Commissioner Public Works, Bradenton, Florida, and marked "Sealed Proposal" will be received until 12 o'clock, noon, August 25, 1925, for furnishing material, equipment and labor and constructing approximately 270,000 lin.ft. 6-in. to 15-in. Sanitary Sewer, with Manholes, Septic Tanks, and Flush Tanks; also 58,000 lin.ft. 12-in. to 36-in. Storm Water Sewer, with Manholes, Inlets and Catch Basins. Bids will be received on the whole or on part.

Plans and Specifications may be seen at office of Commissioner of Public Works and at office of Clerk, and may be obtained from Clerk on payment of $10.00.

Right is reserved to reject any and all bids.

CITY OF BRADENTON.
R. K. VAN CAMP, Com. Pub. Wrks.,
L. L. HINE, City Clerk.

Bids: August 31.

Cairo, Ill.

Paving Work

Sealed bids will be received up to 10:00 A.M., August 31, 1925, at the City Clerk's Office, 609 Ohio Street, Cairo, Illinois, for the construction of sewering, filling and paving of Park Avenue, between 28th and 33d Streets, at Cairo, Illinois.

Plans and specifications are on file at the City Engineer's Office, 613 Ohio Street, Cairo, Illinois.

GEORGE F. DEWEY,
City Engineer.

OFFICIAL PROPOSALS

Bids: Sept. 1.

Excavating, Grading and Drainage Structures

WESTCHESTER COUNTY PARK COMMISSION

Contract No. 45

Bronxville, N. Y.

Sealed bids for excavating, grading and drainage structures from Boston Post Road to New Rochelle Road, Hutchinson River Parkway, New York, will be received by the Westchester County Park Commission at its office, No. 72 West Pondfield Road Bronxville, New York, until 11 a.m. Daylight Saving Time, Sept. 1, 1925.

Pamphlets containing information for bidders, form of proposal, specifications and contract drawings may be obtained by intending bidders at the above ddress by depositing $5.00.

The right is reserved to reject any or all bids.

WESTCHESTER COUNTY PARK COMMISSION
By JAY DOWNER,
Chief Engineer.

Dated: August 4, 1925.

Bids: August 24.

Sanitary Sewer and Purification Plant

Steger, Ill.

Sewer letting Village of Steger will take bids on sanitary sewer, sizes ranging from 8 to 24 inches estimate $130,000 and on purification plant estimate $50,000. Bids to be opened at the Village Hall at 8:00 P.M., August 24th, 1925. Plans and specifications can be obtained at the Engineer's Office, 1530 Halsted Street, Chicago Heights, Illinois.

OFFICIAL PROPOSALS

Bids: Sept. 2.

Relief Sewers

Grand Rapids, Mich.

Sealed proposals will be received by the Director of Public Service, in the Commission Room, 3rd floor, City Hall, Grand Rapids, Michigan, up to 3 o'clock, p.m., Eastern Standard Time of Wednesday the 2nd day of September, 1925, for the construction of the Washington-Lake Drive Relief Sewer Project—CONTRACT H-3, consisting principally of the following:

705-feet of 48-inch circular or equivalent sewer, in tunnel,
812-feet of 42-inch sewer, in open cut,
2558-feet of 36-inch sewer, in open cut,
874-feet of 24-inch sewer, in open cut,
416-feet of 21-inch sewer, in open cut,
463-feet of 18-inch sewer, in open cut,

together with the necessary standard, special, and over-flow manholes and connections.

Payment will be made in cash, the proceeds of a general city bond issue, authorized November 6, 1923.

The required date of completion is June 1, 1926.

Copies of the Plans and Specifications according to which the work is to be done are on file in the office of the Sanitary Engineer, City Hall, and can be obtained for bidding purposes by making a deposit of ten dollars, which will be refunded upon the return of the Plans and Specifications on or before September 15th, 1925.

A certified check in the sum of Three Thousand Dollars ($3,000.00) will be required with each proposal.

The right is reserved by the City to accept any proposal, to reject any or all proposals and to waive defects in proposals.

FRED H. LOCKE,
City Manager.

Official Proposals continued on following page

(Continued from preceding page)

OFFICIAL PROPOSALS

Bids: Sept. 16.

Construction, Heating, Electric Work, etc.

Wingdale, N. Y.

Sealed proposals for Construction, Heating, Sanitary, Electric Work, and Refrigeration, Building F, G, H, I, J, K, M, O, and P, Harlem Valley State Hospital, Wingdale, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 2 o'clock p. m., (Eastern Standard Time) Wednesday, September 16, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bonds in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specifications No. 4576, 4577, 4578, 4579 and 4575. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Harlem Valley State Hospital, Wingdale, N. Y.; at the New York Office of the Department of Architecture, 18th Floor Flatiron Building, Broadway and 23rd St.; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications, and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y., upon a deposit in the sum of $50,000 of money, or check made payable to the State of New York, for each set of Construction drawings and specifications, and $25.00 for each set of Refrigeration; Heating, Sanitary or Electric drawings and specifications, which deposit will be returned if the drawings and specifications are received in good condition by the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: August 10, 1925.

Bids: Sept. 22.

Flood Control Works

HIDALGO COUNTY, TEXAS

Edenburg, Texas.

1. Sealed proposals addressed to the Commissioners' Court of Hidalgo County, Texas, for the construction of Flood Control works in Hidalgo County, Texas, will be received at the office of the County Judge, at Edinburg, Texas, until 10:00 o'clock A.M., Tuesday, September 22, 1925, and then publicly opened and read.

DESCRIPTION OF WORK TO BE DONE

Approximate Quantities		
10,000	Acres	Clearing.
1,000	"	Grubbing.
5,000,000	Cu.Yds.	Earth Embankment.
192,000	"	Earth Excavation.
300,000	"	Remodeling Canals.
28,000	"	Structural Excavation.
4,000	"	Concrete.
350,000	Lbs.	Reinforcing Steel.
300,000	Lin.Ft.	Seasoning ditch.
1,800	"	92-in. Metal Pipe.
400	"	Vit. Clay Pipe 18" Diam.
1,000	"	Vit. Clay Pipe 24" Diam.

2. Detailed Plans and Specifications of the work may be seen for examination and information may be obtained at the office of P. S. Devine, Engineer, Pharr, Texas.

3. A Certified or Cashier's check for three per cent of the total amount bid made payable without recourse to the order of "County Judge," of Hidalgo County, must accompany each proposal as a guarantee that the bidder, if successful, will enter into contract and make bond in accordance with requirements, of the specifications. The right is reserved by the Commissioners' Court to reject any and all proposals or to waive all technicalities.

4. Proposals shall be submitted in sealed envelopes and marked "Bids for the Construction of Flood Control Works in Hidalgo County, Texas."

5. All bids received will be retained by the County and will not be returned to the Bidders.

L. E. TINKLER,
County Auditor.

OFFICIAL PROPOSALS

Bids: Sept. 14.

Shoemakerville Bridge

Media, Pa.

Sealed proposals will be received at the Controller's Office, Media, Pa., on Monday September 14, 1925, until 11:00 a.m. (Daylight Saving Time) for furnishing all tools, labor and equipment necessary to construct Bridge No. 90 known as Shoemakerville Bridge over Ridley Creek, between the City of Chester and Nather Providence Township, to consist of a six (6) span reinforced concrete arch bridge approximately seven hundred (700) feet in length, to replace present steel bridge.

Bids from others than those engaged or established in business for which proposals are asked will not be entertained and no bid will be entertained unless made out on printed blank forms furnished by the County Commissioners.

The Bidder shall accompany his bid with a drawing or photograph, together with description and location of a bridge of magnitude, quality and structural importance comparable to that contemplated hereunder which the bidder has built; and failure to present this evidence of satisfactory work accomplished by the bidder will, at the discretion of the Commissioners be ground for rejection of bid.

All bids must be accompanied by a certified check for ten (10) per cent of the amount bid; all checks must be drawn to the order of the Commissioners of Delaware County.

Plans and specifications can be had by applying at the office of the County Controller, Media, Pa., upon receipt of ten ($10.00) dollars (which will not be refunded) to cover the cost of printing, binding and mailing.

The County Commissioners reserve the right to reject any or all bids.

GEORGE T. WADAS,
Controller.
S. C. HOLLISTER,
County Engineer.

Bids: Sept. 14

West Ninth Street Bridge

Media, Pa.

Sealed proposals will be received at the Controller's Office, Media, Pa., on Monday, September 14, 1925, until 11:00 a.m. (Daylight Saving Time) for furnishing all tools, labor and equipment necessary to construct Bridge No. 185 known as West Ninth Street Bridge, over Chester River, Chester, Pa., to consist of a reinforced concrete arch one hundred and sixty (160) foot span, to replace present steel through truss.

Bids from others than those engaged or established in business for which proposals are asked will not be entertained and no bid will be entertained unless made out on printed blank forms furnished by the County Commissioners.

The bidder shall accompany his bid with drawing or photograph, together with description and location of a bridge of magnitude, quality and structural importance comparable to that contemplated hereunder which the bidder has built; and failure to present this evidence of satisfactory work accomplished by the bidder will, at the discretion of the Commissioners, be ground for rejection of bid.

All bids must be accompanied by a certified check for ten (10) per cent of the amount bid, all checks must be drawn to the order of the Commissioners of Delaware County.

Plans and specifications can be had by applying at the office of the County Controller, Media, Pa., upon receipt of Ten ($10.00) Dollars, (which will not be refunded), to cover the cost of printing, binding and mailing.

The County Commissioners reserve the right to reject any or all bids.

GEORGE T. WADAS,
County Controller.
S. C. HOLLISTER,
County Engineer.

Bids: Sept. 4.

State Highway Work

Albany, N. Y.

STATE DEPARTMENT OF PUBLIC WORKS, BUREAU OF HIGHWAYS, ALBANY, N. Y.—NOTICE TO CONTRACTORS.—Pursuant to Chapter 30, Laws of 1909, amendments thereto and Chapter 867, Laws of 1923, sealed proposals will be received by the undersigned at No. 55 Lancaster Street, Albany, N. Y., until 1 o'clock p.m., advanced standard time, which is 12 o'clock noon eastern standard time, on Friday, September 4, 1925, for the construction of the following highway: Maps, plans, specifications, estimates and proposal forms may be obtained at the office of the Bureau of Highways, Albany, N. Y., and at the office of J. S. Bixby, Division Engineer, 11 Washington Street, Poughkeepsie, N. Y.

Con. No.—9107.
County—Kings-Queens.
Type—Grading.
Name—Conduit Boulevard.
Parts 1 and 2.
Approx. Miles—8.02.

Attention of bidders is called to "General Information for Bidders" in the proposal, specifications and contract agreement. Proposals must be submitted in separate sealed envelopes with name and number of the contract plainly endorsed on the outside of the envelope. Each proposal must be accompanied by cash, draft or certified check, payable to the order of the New York State Bureau of Highways, for an amount equal to at least 3 per cent of the amount of the proposal. The retention and disposal of such cash, drafts or checks by the Bureau of Highways shall conform with Subdivisions 3, Section 130 of the Highway Law as amended.

The successful bidder will be required to execute the contract and comply in all respects with Section 130 of the Highway Law as amended.

The right is reserved to reject any or all bids.

A. W. BRANDT,
Commissioner of Highways.

Bids: Sept. 3.

Power House Instruments

Thiells, N. Y.

Sealed proposals for Power House Instruments, Letchworth Village, Thiells, N. Y., will be received by Hon. Frank R. Utter, Superintendent of Purchase, Capitol, Albany, N. Y., until 2 o'clock p.m. (Eastern Standard Time), on Thursday, September 3, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4096. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Letchworth Village, Thiells, N. Y., at the New York Office of the Department of Architecture, 18th Floor, Fuller Building, Broadway & 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y.

Dated: August 10, 1925.

Bids: Sept. 8

County Roads

White Plains, N. Y., August 18, 1925.

Sealed bids or proposals for paving with reinforced concrete the following roads will be received at the office of the Clerk of the Board of Supervisors, Court House, White Plains, New York, until 10 a.m., September 8th, 1925 (Daylight Saving Time).

County Road No. 27-27A—Broadway-Bedford Road, Pleasantville, 1.25 mi.

County Road No. 30—North Street, White Plains, 2.71 mi.

County Road No. 36—Tuckahoe Road, Yonkers, 0.51 mi.

Specifications, proposal sheets and all information relative to same may be procured at the office of the County Superintendent of Highways upon making the required deposits which will be refunded upon the return of the plans in good condition within thirty (30) days of receiving bids.

BOARD OF SUPERVISORS,
FRED L. MERRITT, Clerk.

CONSTRUCTION NEWS

Engineering News-Record, Aug. 27, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Railway, North Carolina, Seaboard Air Line, Norfolk, Va., plans 156 mi. double track, $10,900,000.

Railway, North Carolina, Northern Ry. Co., Charlotte, plans 80 mi. extension, $10,000,000.

Irrigation, Cotulla, Tex., LaSalle Co., plans bond election for irrigation system, $7,000,000.

Office, New York, N. Y., Henco Realty Co. plans building, $6,000,000.

Railway, Kansas and Texas, Chicago, Rock Island & Pacific Railroad plans 145 mi., $4,000,000.

Toll bridge, Florida, Durrance Toll Bridge Co., Inc., plans bridge over Old Tampa Bay, $4,000,000.

Apartment Hotel, Brookline, Mass., Phibos Corp., having plans prepared, $3,500,000.

Office and warehouse, Detroit, Mich., Coe Terminal Warehouse, plans building, $3,000,000.

Apartment, New York, N. Y., J. Golding having plans prepared, $3,000,000.

Electric plant, New Braunfels, Tex., Comal Power Co., plans plant, $3,000,000.

Bids Wanted On Big Jobs

Apartment, Chicago, Ill., Sept. 15, by J. Hunt, Archt., $2,500,000.

Hotel, Boston, Mass., C. H. Blackwell taking bids, $2,000,000.

High School, Rockford, Ill., Sept. 11, by Bd. of Educ., $1,000,000.

Office, New York, N. Y., Ewing, Bacon & Henry soon takes bids, $1,000,000.

Large Contracts Let During Week

Subway, Philadelphia, Pa., Dept. City Transit to Patrick McGovern, Inc., $11,498,032.

Subway, New York, N. Y., Bd. of Transportation to Rodgers & Hagerty, Inc., $4,300,000.

Office, Houston, Tex., Esperson Estate to American Constr. Co., $2,250,000.

Gas Pipe Line, Texas, Seagraves & Moody Gas Co. by day labor, $2,000,000.

Apartment, New York, N. Y., S. & L. Building Corp., will build by day labor, $1,600,000.

Reservoir, St. Louis, Mo., Bd. Pub. Service to Frazier-Davis Constr. Co., $1,160,808.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Montvale—Making plans water supply system. H. J. Harder, 129 Market St., Paterson, engr.

La., Kenner—Election Sept. 15, $100,000 bonds, waterworks, sewers, etc. in various streets. H. Mentz, Hammond, engr.

Tenn., Clinton—Voted $105,000 bonds for waterworks. Noted May 28.

Tenn., McMinnville—Voted $75,000 bonds, for waterworks. Noted July 23.

Ky., Madisonville — Making preliminary plans waterworks, incl. impounding reservoir, mains, etc. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

O., Fremont—Plans modern type filtration plant. $200,000.

Wis., Beaver Dam—W. A. Gergen, city clk., plans improving waterworks plant, incl. new steam, Diesel engine or electrical power for pumping. To exceed $15,000. Engineer not selected.

Wis., Menasha—J. F. De Caro, city clk., soon takes new bids chlorinating machine for waterworks plant, here. Former bids rejected. Noted July 30.

Wis., Wauwatosa—City, c/o A. Brigham, city clk., making plans drilling deep well in northwest section of city. To exceed $15,000. J. E. Lowther, City Hall, engr.

Neb., Grand Island—Making plans constructing reservoir, power plant, etc. $300,000. C. L. Pillsbury Co., 2344 Nicollet Ave., Minneapolis, Minn., engrs.

Mo., Bragg City—Making preliminary plans deep well, 30,000 gal. tank and tower, also 4- and 6-in. c.i. mains, etc., in various streets. B. O. Bennett, Carruthersville, engr.

Mo., Piedmont—Plans election $50,000 bonds, waterworks and distribution system. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, engr.

Texas—See "Unclassified."

Tex., Abilene—Voted $250,000 bonds, waterworks improvements, incl. purification plant, etc. J. B. Hawley, 402 Cotton Exch. Bldg., Fort Worth, engrs. Noted July 23.

Tex., Boerne — Election soon $45,000 bonds, waterworks. Address H. L. Davis, mayor.

Tex., Clarkwood — Election soon $37,500 bonds, erecting fresh water supply system. Address Nueces Co. Fresh Water Dist. 1, Clarkwood.

Tex., Ennis—Voted $60,000 bonds waterworks improvements incl. centrifugal pump and deep well, and 400 ft. 8 and 26 in. pipe to Trinity sands. H. McCanless, Ennis, engr.

Tex., Mexia — Voted $125,000 bonds, waterworks, incl. extending mains, pumping equipment, etc. Address Mayor.

Tex., O'Donnell—Defeated $65,000 bonds for waterworks. Devlin Eng. Co., 119 Centr Bldg., Amarillo, consult. engrs. Noted July 23.

Okla., Walters—See "Contracts Awarded."

Colo., Salida—City authorized additional $50,000 bond issue, completing water system.

Wash., Seattle — City Council voted to appropriate $200,000, rebuilding Cedar River pipe line from Landsburg intake to Lake Youngs reservoir.

Ont., Belle River—Making plans waterworks, incl. c.i. mains, centrifugal pumps, reservoir, tank on tower, etc. $50,000. A. W. Connor & Co., Metropolitan Bldg., Toronto, engr.

BIDS DESIRED

N. Y., Long Island City, N. Y.—Sept. 1, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains and appurtenances in Idlewild Ave., and Garfield St., 4th Ward, here.

Fla., Tallahassee—Sept. 22, by B. H. Bridges, city aud. and clk., pipe and fittings, etc. W. R. Galt, city mgr.; adv. E. N.-R. Aug. 27.

Miss., Isola—Sept. 8, by F. H. Hutson, mayor, and Bd. Aldermen, waterworks, incl. oil engine, pumping unit, steel tower and tanks, reservoir, etc. Noted July 23.

O., Youngstown—Sept. 22, at office M. C. Kinder, comr. Water, City Hall, installing and testing waterworks pumping equipment, etc. Morris Knowles, Inc., Cleveland, and Pittsburgh, Pa., engrs.; adv. E. N.-R. Aug. 27.

Mich., Detroit—Sept. 8, by Secretary Bd. Water Comrs., 30,938 ft. 6- to 16-in. mains in various streets. G. H. Fenkell, 323 East Jefferson Ave., genl. mgr.

Mich., Detroit — Sept. 15, by Bd. Water Comrs., 176 East Jefferson Ave., 21,200 lin.ft. more or less 36- to 48-in. steel water pipe in Fenkell Ave. G. H. Fenkell, genl. mgr.; adv. E. N.-R. Aug. 27.

Minn., Jordan — Sept. 4, by City, J. C. Busch, clk., cased well, approximately 300 ft. deep and 12 in. diam., 100 gal. direct current pump and motor, pump house, iron removal plant, housing extension for iron removal plant, piping, etc.

Que., Cap-de-Madeline — Sept. 8, by R. Morrissette, city engr., one 8 x 8 in. stage pump, 150 hp. motor, two 1 stage 6 x 4 in. pumps, 15 hp. motors. $15,000.

Que., Fort Coulange — Sept. 8, by D. J. Shea, secy.-treas., complete waterworks machinery and equipment.

Ont., Windsor—Sept. 2, by R. B. Braid, secy. Essex Border Utilities Comm., Murray Bldg., 5 meters for 14- to 24-in. distribution main. J. C. Keith, ch. engr.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co., 21,000 ft. 6 and 8 in. mains in Chestnut Hill Dr., Impvt. 61, from Hanna & Michael Constr. Co., 2457 East 55th St., $79,989. Noted Aug. 6.

Wash., Seattle—Bd. Pub. Wks. mains in Hinds St. et al., from Interstate Constr. Co., 1713 22nd St. S., $153,925. Engrs. est. $160,000.

CONTRACTS AWARDED

N. Y., Buffalo—Commissioner Pub. Wks., Municipal Bldg., 1,020 tons 10, 12 and 16 in. Class "B," c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 957 East Ferry St., $48.75 per ton.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, small waterpipe lines in various streets, incl. 500 tons c.i. pipe, 500 tons specials, twenty 6 in., twenty 8 in. and twenty 12 in. valves, 7,000 yd. earth and 500 yd. rock excav., 18,000 grav iron castings, 300 cu.yd. concrete, etc., Contr. 770, to M. and J. B. McHugh, 892 North Markoe St., $65,1[illegible].

N. C., Boone—D. J. Cottrell, mayor, 5 mi. 6 and 8 in. c.i. mains, 200,000 gal. reservoir, and 4½ mi. 6 and 8 in. sewers in various streets, to Boyd & Goforth, Realty Bldg., Charlotte, $100,000. Noted July 23.

N. C., Durham—New basins, tanks and 3 mi. 24 in. mains in various streets, to Tucker & Laxton, Realty Bldg., Charlotte. $300,000.

O., Cincinnati—Director Pub. Serv., 3,025 tons 16- to 24-in. hub and spigot c.i. and 40 tons 6 in. special cast iron pipe for distribution system, to U. S. Cast Iron Pipe Co., Addyston, $139,439. Engrs. est. $150,000.

O., Cleveland—Cuyahoga Co., 15,000 lin.-ft. 6 and 8 in. c.i. mains in Pleasant Valley Rd., Impvt. 82, to Great Lakes Constr. Co., 2,000 B. F. Keith Bldg., $56,837. Noted Aug. 13.

O., Cleveland—Cuyahoga Co., 2,000 ft. 6- to 16-in. c.i. mains in Blount St., Impvt. 653, to Langahan Constr. Co., Marshall Bldg., $15,573. Noted July 30.

O., Garfield Heights (Cleveland P. O.)—See "Sewers."

Neb., Phillips—H. J. Johnson, village clk., 40,000 gal. tank on tower, to Omaha

Waterworks (Continued)

Steel Wks., 4802 Leavenworth St., Omaha, $5,275; c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 604 Interstate Bldg., Kansas City, Mo., $3,400; galvanized pipe, to A. Alden, Aurora, $1,085; and deep well with pump, hydrants, valves, laying mains, etc., to Interstate Mchy. & Supply Co., 1006 Douglas St., Omaha, $4,255. Grand total $14,015. Noted July 16.

Mo., Lees Summit—See "Sewers."

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rein.-con. covered reservoir on Missouri River between Old Bohomme and Watson Rds., at Howards Bend, to Frazier-Davis Constr. Co., Arcade Bldg., $1,160,808. Engrs. est. $1,391,000. Noted Aug. 13.

Tex., Corpus Christi—City, 3 filter units, 1 m.g. capacity each, etc., to International Filter Co., 333 West 25th Pl., Chicago, Ill., $35,242.

Tex., Cross Plains—Constructing approximately 48,431 ft. mains in various streets, to J. W. Moore, Eastland, $27,000. Engrs. est. $30,000.

Tex., Wichita Falls — Hamilton Martin Investment Co., waterworks and sewers in Country Club Estates addition, to James Constr. Co., South West Life Bldg., Dallas, $81,653.

Okla., Okemah—City, 1 m.g. rapid sand filter plant, pumping station, transmission line, 2 tanks, 7,800 ft. 8 in. and 23,300 ft. 12 in. c.i. mains, etc., in various streets, to Sherman Machine & Iron Wks., 18-32, East Main St., Oklahoma City. Engrs. est. $200,000. Noted July 30.

Okla., Ponca City — Concrete reservoir, 160 ft. dam, 2 m.g. capacity, etc., to Gallamore Constr. Co., Cushing, $36,485. Noted Aug. 20.

Okla., Walters—City will construct dam across Cache Creek, spillway, new pump, etc., by own forces under supervision A. M. Thompson, Walters. $16,000. T. M. Anderson, city mgr. Noted Aug. 6.

N. M., Portales—J. C. Fairly, city clk., 11,310 ft. 4- and 6-in. c.i. pipe, two 6 in. and eight 4 in. gate valves, 10 valve boxes, 6,110 lbs. special fittings, 7,300 ft. 2 in. wrought iron pipe, etc., for water extensions, to R. Irick, Plainview, Tex., $16,-264. Noted April 2.

Wash., Seattle—Bd. Pub. Wks., 7,910 ft. 8 in. mains in 9th Ave. S. W. et al., to F. Agostino, 1318 21st St., $19,775, engrs. est., $20,757. Noted Aug. 20.

Ont., Welland — Water Comrs., filter equipment, to Francis, Hankin & Co. Ltd., 386 King St. W., Toronto, $46,000; pumps, motors, valves, etc., to Turbine Equipment Co., 73 King St. W., Toronto, $54,260; wash water tank, to Horton Steel Wks. Ltd., Bridgeburg, $8,975. Grand total $109,235.

Sewers

PROPOSED WORK

N. Y., Jamestown—Voted $125,000 bonds, for sewage disposal plant.

Pa., Phila. — Dept. Pub. Wks., Bureau Engineering rejected bids Aug. 7 for storm water ditches and incidental drainage in connection with South Phila. Impvt. south Packer Ave., and west of Broad St. Will readvertise. Noted Aug. 6.

Fla., Lakeland—Plans sewage disposal plant. C. C. Brown, city engr.

La., Kenner—See "Waterworks."

Tenn., Clinton—Voted $60,000 bonds, 6 mi. sewers in various streets.

Tenn., Chattanooga—Takes bids in September, 100,000 ft. sewers, etc., in various streets. $100,000. Cushman-Fairleigh Eng. Co., James Bldg., Chattanooga, engrs.

Mich., Detroit—Drain Comn. Wayne Co. plans 2,967 ft. Sunbeam Drain, Redford Twp., 7,406 ft. 18- to 48-in. crock pipe, etc. G. A. Dingman, County Bldg., co. drain comn.

Mich., Detroit—Made plans brick or monolithic concrete and vitr. crock sewer in 2,505 ft. more or less Pembroke Ave. Arm West, Livernois Ave. Sewer 2,622 ft. Fenkell Ave. Arm West, Hubbell Ave. Sewer 2,016 ft. Greiner Ave. Arm, all above built in tunnel; and 1,648 ft. Harper Ave. Arm West, Cadieux Rd. Sewer, to be built in open cut. P. A. Fellows, City Hall, city engr.

Ia., Van Horn — Making plans disposal plant and sanitary sewers in various streets. $30,000. H. E. Green, 417 1st Ave. E., Cedar Rapids, engr.

Texas—See "Unclassified."

Tex., Abilene—Voted $50,000 bonds sewage disposal plant and extending sewers in various streets. Jno. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr. Noted July 23.

Tex., El Campo—Election Sept. 12, $60,-000 bonds, sewer improvements, extending mains, etc., in various streets. Address Mayor. B. D. King, El Campo, engr.

Tex., Ennis—Making plans 8,000 ft. 8 in. vitr. sewers in various streets and addition to disposal plant. $40,000. H. McCanless, Ennis, engr.

Tex., Frisco—Election soon $32,500 bonds, sewerage system. F. P. Schrader, mayor.

Tex., Jacksonville—Election soon $40,000 or more bonds, sewage disposal plant. Address Mayor.

Tex., O'Donnell—Defeated $25,000 bonds for drainage. Devlin Eng. Co., 119 Central Bldg., Amarillo, engrs. Noted July 23.

Tex., San Antonio—Election soon $75,000 bonds for sanitary sewers in various streets. I. Ewig, City Hall, city engr.

Tex., Schulenburg—Voted $45,000 bonds, complete sewerage system. Address Mayor.

Tex., Yoakum—Election soon $50,000 bonds, for extending 2 mi. sewers in Forest, Hopkins, portions of West Gonzales and Matthew Sts. Address Mayor.

Okla., Edmond — Making preliminary plans disposal plant, and 9,000 ft. 18 in. vitr. clay sewers, etc. in various streets. $36,000. Peckham & James, 227 West Grand St., Oklahoma City, engrs.

Okla., Oklahoma City—Defeated $1,750,-000 bonds, outfall sewers and 2 sewage disposal plants. B. M. Hart, City Hall, engr. Noted July 23.

Ont., Ford — Plans sanitary sewers in Front, Arthur, Giles, Westcott and Francois Sts. $58,000. F. Foster, City Hall, engr.

Ont., Hamilton—Plans vitr. clay and concrete storm sewers, with lateral drainage system in Wentworth St., etc. $750,000. W. L. McFaul, City Hall, engr.

Ont., Toronto—York Twp., plans constructing sewage pumping station to serve Warren Ave. and Bayview Ave. area. $75,000. F. B. Goedike, 40 Jarvis St., twp. engr. James, Proctor and Redfern, 36 Toronto St., consult. engrs.

BIDS DESIRED

Mass., Boston—Aug. 31, by Dept. Pub. Wks., sewerage works in various streets in West Roxbury; and Sept. 1, in various streets in Hyde Park. J. A. Rourke comr.

Mass., Lynn — Sept. 29, by Comn. on Ways & Drainage, at office purchasing agent and City Engineer, City Hall, 60 in. c.i. outfall sewer in Lynn Harbor. Morris Knowles, Inc., engrs.; adv. E. N.-R. Aug. 27.

N. Y., New York — See "Streets and Roads."

Pa., Coraopolis—Sept. 8, by Boro. Manager, double strength vitr. clay sewer pipe; Adv. E. N.-R., Aug. 27.

Pa., Juniata—Sept. 10, by Boro Council, City Hall, W. H. Baird, secy., 4,400 lin.ft. 8 and 10 in. sewer, manholes, etc., in 7th, 8th and 9th Aves. D. W. Dillman, 91 Altoona Trust Bldg., Altoona, engr.

Md., Baltimore—Sept. 2, by Bd. Awards, constructing 550 lin.ft. 60 in. rein.-con. and 65 lin.ft. 54 in. brick and concrete drains, 285 lin.ft. 12 in. vitr. sewer, and 180 lin. ft. 8 in. underdrain, etc., in Sewer Dists. J-8 and 38, Storm Water Contr. 88. M. J. Ruark, 311 Courtland St., sewerage engr.

W. Va., Clarksburg — See "Streets and Roads."

Fla., Bradentown — R. K. Van Camp, comr. Pub. Wks., taking bids 270 lin.ft. storm water sewers, etc., in various streets L. L. Hine, clk.

O., Berea—Sept. 14, at office G. J. Fowles, village clk., Village Hall, 15,500 ft. 6- to 15-in. sanitary sewer and 16,400 ft. 12- to 48-in storm drains, etc.; adv. E. N.-R. Aug. 27.

O., Cleveland—Sept. 2, at office Commissioner Purchases & Supplies, sewers in East Park Dr. from Neff Rd. N. E. to Lake Shore Rd., and East Park Dr. from Lake Shore Bldg. to East 185th St., Fenwick Rd. N. E. from Dorchester Blvd. N. E. to Lake Shore Blvd., and from Lake Shore Hillegrove Ave. N. E., La Salle Ave. N. E., and Schenley Ave. N. E. R. Hoffman, City Hall, engr.

Tex., Harlingen—Taking bids 4 mi. sanitary sewers and 7,307 ft. storm sewers in various streets. Address A. Thompson, mayor. A. Tamm, engr. Noted July 2.

Wis., Milwaukee—Sept. 1, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., for Mud Creek Low Level Sewer, 2,730 ft. 36 in. concrete and 5,927 ft. 18- to 24-in. terra cotta pipe, etc. T. C. Hotton, c/o owner, engr.

Neb., Omaha—Sept. 4, by H. Beal, city engr., City Hall, storm sewer 848, 270 ft. 9 x 9 ft rein.-con. in open cut and 2,060 ft. 9 x 9 ft. rein.-con. in tunnel, 25 ft. 21 in. pipe, 24 ft. 42 in. 2 ring brick, etc., for City. $150,000.

Ark., Morrilton—Aug. 31, by G. C. Martin, secy., 30,000 ft. 8- to 12-in. vitr. clay or concrete sewers, 120 concrete manholes, 26 x 42 ft. septic tank, sludge bed, etc. S. G. Davis, Morrilton, engr.

Ark., Russellville—Sept. 1, at office of F. Ragsdale, engr., Russellville, 10,800 ft. 6 to 10 in. vitr. clay sewers, etc. in Sewer Dist. 3, for City.

Ont., Midland—Making plans extensions and additions to sewerage system. $50,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS RECEIVED

N. J., Brooklawn (mail Westville)—Gloucester Co. (Woodbury), Aug. 18, sanitary sewers in various streets, here, from Pennsylvania Eng. Constr. Co., Real Estate Trust Bldg., Phila., Pa., $28,907.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Aug. 19, from McLean Constr. Co., 1415 Fidelity Bldg., Baltimore, Md., Wingohocking sewer in McAlester Ave. and Cayuga St., $505,965 from H. H. Pizzagno, 907 South 15th St., branch sewers in Bath St. $785, 61st St. $9,891, and Stenton Ave. $5,870, from Sarco Constr. & Building Co., 1213 Snyder Ave., Erie St. $29,259, and Rawle St. $5,230, from J. Moss, 1652 Wakeling St., Hegerman St. $3,653, from J. J. McHugh, 1617 Race St., Island Ave. $2,716, Jackson St. $602, 21st St. $9,295 and Unity St. $4,798, from McCool Constr. Co., 5033 Duffield St., Large St. $5,880, from E. F. Bennis, 825 East Washington Lane, Limekiln Turnpike $8,692, from A. Mattia, 316 North 65th St., Pearce St. $5,244, from Clifton Constr. Co., 131 East Berkley Ave., Clifton Heights, Randolph St. $6,416; and from Union Paving Co., 30th and Locust Sts., grading, etc. at Northeast Sewage Treatment Works, $88,211.

Mich., Kingsford (mail Iron Mountain)—C. W. Seller, village mgr., Aug. 20, 11,578 lin.ft. 15- to 42-in. sewer in various streets, from Phelps-Drake Co., Iron Mountain, $104,000; 11,461 lin.ft. 10- to 48-in. sewer in various streets, from Delta Contg. Co., Escanaba, $136,000. Noted Aug. 6.

Mich., Detroit — For 5,296 ft. rein.-con. and vitr. sewer in Fenkell Ave. Arm East, Hubbell Ave. Sewer, from A. Rossi, 5307 Pennsylvania Ave., $85,952; 5,135 ft. Dix Ave. Arm, Lonyo Rd. Sewer, from J. Porath, 903 Free Press Bldg., $108,022, 3,571 ft. Portlance Ave. Arm, Connors Creek Sewer, from C. R. Lennane Co., 2,631 Woodward Ave., $38,532; 2,765 ft. Intervale Ave. Arm E., Wyoming Ave. Sewer, from F. Taddeo Constr. Co., 400 Penobscot Bldg., $43,436; 2,263 ft. Harper Ave. Arm, West Sect. 2, Connors Creek Sewer, from J. A. Mercier Co., 616 Hammond Bldg., $68,913.

Wis., Cudahy—C. H. Wolbert, city clk., Aug. 18, from E. M. Gillet, 673 25th St., Milwaukee, 960 ft. 60 in. concrete sewer outlet $27.40 per ft. or 72 in. concrete pipe at $32 per ft., 60 ft. drop manholes $20, and special manholes $250. Noted July 30.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., Aug. 17, from Wenzel & Henoch Co., 498 27th St., sewers in Cleveland Ave. $6,059 and 59th St. $1,725; from G. Zimmermann, 3402 Grand Ave., sewers in Western Ave. $1,779, Fiebrantz St. $4,656, Reynolds St. $1,165, 60th St. between North and Meinecke Aves. $1,649 and 60th St. between Vliet St. and Menomonee Dr., etc., $23,721; from W. T. Werner, 675 Hi Mount Blvd., sewers in Melvina St., $764, and 20th St. $1,834; and from Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., sewer in 49th St., $1,067. Noted Aug. 13.

CONTRACTS AWARDED

Md., Baltimore — Bd. Awards, storm drains and sanitary sewers in Sewer Dists. H-5, J-5, 38-A and 39, all in Storm Water Contr. 84, to F. Angelo ·i, 238 Albemarle St., $186,698. Noted Aug. 6.

N. C., Boone—See "Waterworks."

Fla., Palmetto—City, sewerage system, to Walker & Elder, Builders Exch. Bldg., San Antonio, Tex., $233,000.

O., Cleveland—City, 190 ft. 7 ft. 6 in. B, 536 ft. 7C, 360 ft. 6C, 1,130 ft. 5 ft. C, 565 ft. 4C, 335 ft. BC, 295 ft. 3 ft. C, 645 ft. 3 ft. 6 in. Cir. C. sewers in Puritas Ave., to Kassouff & Co., 3182 West 25th St., $269,756. Noted July 30.

O., Cleveland—Mains in Cleveland Air Port on Brook Park Rd., to Donnelly & Miller Constr. Co., Engineers Bldg., $43,701. Noted July 23.

O., Cleveland—For 2,265 ft. 12 in. vitr. tile sewer in Behrwald Ave., and 1,390 ft. 12- to 18-in. in Firsby Ave., to Hadded & Kariel Constr. Co., 415 Eagle Ave., $5,364 and $4,493 respectively; 800 ft. 12- to 15-in. vitr. tile sewer in Fulton Rd. and 1,385 ft. 12- to 18-in. in Sobieski Ave., to W. B. Smith, 1350 West 89th St., $3,115 and $4,583 respectively; 310 ft. 2C and 1,735 ft. 12 and 18 in. vitr. tile sewer in Burger Ave., to Salem & George Bros., Erie Bldg., $8,018; in East of Delaven Rd. to George & Ameen Constr. Co., Huron 6th Bldg., $11,427; 99 ft. 8 x 10 ft. concrete sewer in 9 Mile Creek, to Speaker Contg. Co., Cleveland. $11,423. Grand total $48,423.

O., Cleveland—Cuyahoga Co., 7,000 lin.ft. 8- to 18-in. vitr. sewers in West 73rd St.

Sewers (Continued)

and Lindale Rd., to Kassouff & Co., 3182 West 25th St., $13,717; 4,700 ft. 10- to 18-in. vitr. tile sewer in Villa Park Subdivision, to A. Marra Co., Ulmer Bldg., $17,326. Noted July 30.

O., Cleveland—Cuyahoga Co., 5,000 ft. 8- to 60-in. concrete sewer in Wagar Rd., Impvt. 600, to Gallagher-Burke Constr. Co., 1228 Bonnieview Ave., $85,890. Former contract rescinded. Noted July 16.

O., Garfield Heights (Cleveland P. O.)—Sewers and watermains in Claremont Blvd., Southern, Reindeer and Garland Aves., to D. Rossi-Marceletti Co., 13701 Benwood Ave., Cleveland, $41,121.

O., Martins Ferry — Sewers in Mackay addition, to Stringer & Springer, Wheeling Trades & Bank Bldg., Wheeling, W. Va., $41,170.

O., Massillon—Director Pub. Serv., sewers north of Oakwood St., etc., to C. G. Traxler, Ft. Wayne, Ind. $58,000. Noted July 16.

O. St. Bernard (Ind. branch of Cincinnati)—Director Pub. Serv., 1,018 ft. 7- to 36-in. vitr. clay and 1,253 ft. 42- to 57-in. brick sewer through private property between Rapid Transit Right-of-Way and Bank Ave., to Connelly Bros., 2nd Natl. Bank, Cincinnati, $67,230. Engrs. est. $74,000. Noted Aug. 13.

Mich., Detroit—City, 4,001 ft. 7¾ ft. cylinder to 15-in. crock sewer in Bedford Rd., Sect. 3, to W. Blanck Co., 40 Seven Mile Rd. E., $49,877; 2,311 ft. 4½ ft. to 3 ft. cylinder sewer in Puritan Ave. Arm W., Wyoming Ave. Sewer, and 3,894 ft. 5½ ft. to 4½ ft. cylinder sewer in Lyndon Ave. Arm E., Hubbell Ave. Sewer, to Central Contg. & Engr. Co., Detroit, $35,643 and $71,484 respectively; 5,875 ft. 6¾ ft. to 24 in. crock sewer in Lakeview Ave. Arm, to S. Fattore, 2201 St. Joseph Ave., $78,085; 2,601 ft. 2¾ ft. x 4 ft. egg shaped sewer in Hamilton Relief Arm, to T. D. Nolan, 11341 Woodward Ave. $42,697. Grand total $277,786.

Ill., Elgin—Sanitary Dist. of Elgin, Willard Ave. Sewer, 3,775 ft. 12 and 15 in. vitr. clay and 510 ft. 8 in. c.i. pipe, etc., to J. Brogan & Sons, 700 Donsman St., Green Bay, Wis., $58,495. Noted Aug. 13.

Wis., Rhinelander — A. Moe, city clk., 1,370 ft. 12 and 15 in. storm and 9,600 8 and 10 in. sanitary sewers, etc. in various streets, to W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $44,418. Noted Aug. 6.

Wis., Two Rivers—Storm sewers in various streets, to Gray-Robinson Constr. Co., Torrison Bldg., Manitowoc, $25,761.

Mo., Lees Summit—For 49,064 ft. 8- to 12-in. vitr. clay and 36 ft. 8 in. c.i. sewers, also 10,454 ft. 2 and 4 in. c.i. watermains, etc., in various streets, to W. B. Carter, 205 Cosden Bldg., Tulsa, Okla., $72,771. Noted July 30.

Mo., Jackson—For 47,130 ft. 6- to 12-in. vitr. clay sewers in various streets, to J. O'Neal, 119 4th Ave., Leavenworth, Kan., $53,100. Engrs. est. $65,000. Noted July 30.

Tex., San Augustine—Extending sewers in various, streets, etc., to E. E. Collins, Falfurrias, $32,687. Noted June 4.

N. M., Portales — Sewer extensions in various streets, to R. Irick, Plainview, Tex., $34,290. Noted April 2 under "Waterworks."

Ont., Niagara Falls — Stamford Twp., general contract for sewer extensions, to J. Damore, c/o Township Engineer; pipe for same, to Independent Concrete Pipe Co., Woodstock. Engrs. est. $30,000.

Waste Disposal

PROPOSED WORK

Mass., Brockton—City, J. J. Powers supt. sanitation, City Hall, plans incinerator plant. $50,000 or more. H. Crocker, City Hall, engr.

BIDS DESIRED

N. Y., East Chester (Greycourt P. O.)—Sept. 9, by Town Clerk, Corporation Room, Tuckahoe, 30 ton garbage incinerator, here. J. F. Musselman, 101 Park Ave., New York City, consult. engr.; adv. E. N.-R. Aug. 27.

Tex., Houston—Sept. 8, by City, O. F. Holcombe, mayor, two 40 ton incinerators.

Bridges

PROPOSED WORK

W. Va., Charleston — Voted $165,000 bonds, new bridge to replace present structure at Spring St. R. R. Bartow, Court House, engr.

Ga., Atlanta—Plans constructing 2 rein.-con. viaducts at Pryn and Central Sts. $2,000,000.

Florida — Durrance Toll Bridge Co., Inc., H. L. Coachman, secy. and treas., 2104 Watrous Ave., Tampa, plans bridge over Old Tampa Bay from west end Grand Central Ave., Tampa (Hillsborough Co.) to Pinnellas Co. $4,000,000.

O., Cincinnati—Hamilton Co., plans rebuilding concrete superstructure for 4 span, 224 ft. bridge on Kilby Rd. $25,000. E. A. Gast, Court House, engr.

O., Columbus—Franklin Co. made plans 168 ft. steel and concrete bridge on Worthington-New Albany Rd., $17,500, and other small bridges and culverts on Tuttle Rd. and Casiday and Livingston Aves. $8,000. C. C. Lattimer, Co. surv.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids bridges on Route 6, Sect. 2-K, DuPage Co., and on Route 1, Sect. 38-V, Johnson Co. Noted June 11.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids bridges on Route 8, Sect. 42-B, Knox Co.; Route 39, Sect. 1-B, McLean Co.; and Route 5, Sect. 15-C, Winnebago Co. Noted Feb. 26, June 18 and 25.

Ill., Ottawa—State Hy. Dept., Springfield, plans bridge over Illinois and Michigan Canal at Columbus St., also 2 culverts under canal, here. $50,000. Chief Eng. Div. of Waterways, Springfield, engrs.

Kansas—Montgomery Co. (Independence) made plans 260 ft. rainbow arch bridge over Verdigris River east of Coffeyville, and three 100 ft. and one 120 ft. rainbow arch rein.-con. bridge over same river, near Independence. To exceed $25,000. H. K. Hibbard, Independence, co. engr. Kansas Eng. Co. 1233 Webster St., Topeka, consult. engrs.

Kan., Abilene — Dickinson Co. making plans constructing 10 rein.-con. bridges, ranging from 8 to 70 ft., on Federal Aid 29. $50,000. C. Nicholay Co. Abilene, co. engr. Kansas Eng. Co., 1233 Webster St., Topeka, consult. engrs.

Kan., Hutchinson—Reno Co. made plans rein.-con. bridge over Arkansas River, at 4th St. $50,000. W. A. Stacy, Hutchinson, engr.

Kan., Mound City—Linn Co. takes bids in September, 160 ft. steel truss bridge, 20 ft. over Big Sugar Creek. Kansas Eng. Co., 1233 Webster St., Topeka, engrs. C. E. Kinney, Mound City, co. engr. Noted Aug. 6.

Kan., Oskaloosa — Jefferson Co. making preliminary plans 20 ft. span rein.-con. bridge over Delaware River. To exceed $25,000. Kansas Eng. Co., 1233 Webster St., Topeka, engr.

Kan., Oswego—Labette Co. soon takes bids two 120 ft. and one 140 ft. Marsh span bridge over Neosho River, and one 120 ft. Marsh span bridge over Hickory Creek, both on Federal Aid Project 214, Sect. C. H. K. Shidler, Oswego, engr.

Kan., Paola—Miami Co. takes bids about Oct. 7, 120 ft. steel span bridge, 20 ft. roadway, across Middle Creek, and one 20 ft. concrete arch, one 10 ft. slab and 12 ft. slab spans, each 20 ft. wide, on Jefferson Highway, Federal Aid Project 293-C. To exceed $25,000. F. Gardner, Paola, Co. engr. Knasas Eng. Co., 1233 Webster St., Tokepa, engrs. Noted Jan. 29.

N. D., Valley City—Barnes Co. plans 175 ft. arch concrete bridge over Sheyenne River, at East Main St. $35,000. Marsh Eng. Co., 205 Masonic Temple, Des Moines, Ia., engrs.

Tex., Jourdanton—Atascosa Co., making plans 1 steel span, 506 ft. concrete and steel bridge across Atascosa River. $45,000. J. V. Curnutte, Jourdanton, engr. Noted Aug. 20.

Tex., Jourdanton — See "Streets and Roads."

Tex., Madisonville—See "Streets and Roads."

Tex., San Antonio—Bexar Co., election Sept. 19, $500,000 bonds repairing and constructing 3 steel and concrete bridges, A. C. Pancoast, c/o Court House, Co. engr. Noted July 2.

Tex., Sierra Blanca — Hudspeth Co., making plans 14 span 280 ft. concrete bridge on Federal Aid Project 439-J. $26,000. G. G. Wickline, State Hy. Dept. Austin, bridge engr.

Ore., The Dalles—Wauna Toll Bridge Co., Walla Walla, Wash., F. D. Baker, pres., plans bridge over Columbia River, 35 mi. west of here.

BIDS DESIRED

R. I., Providence — Sept. 16, at office Water Supply Bd., City Hall, Hartford Pike Bridge, three 13 ft. span, rein.-con., at or near North Scituate. F. E. Winsor, 661 Westminister St., engr.; adv. E. N.-R. Aug. 27.

Conn., Waterbury—Bd. Pub. Wks., taking bids and opens same about Sept. 1, concrete bridge Huntington Ave. and Waterford St., $25,000 to $30,000; also 2 span rein.-con. bridge over Naugatuck River, on Freight St., $200,000. R. A. Cairns, City Hall, engr. Noted July 9 and Aug. 20.

Pennsylvania—Sept. 14, at Office G. T. Wadas, controller, Media, Bridge 90, known as Shoemakerville Bridge over Ridley Creek between city of Chester and Nather Twp.; adv. E. N.-R., Aug. 27.

Pa., Chester—Sept. 14, at Office G. T. Wadas, controller, Media, Bridge 185 known as West 9th St. Bridge over Chester River, here; adv. E. N.-R. Aug. 27. Former bids rejected. Noted June 18.

Pa., Williamsport — Sept. 10, by L. O. Bower, clk. Lycoming Co., 212 ft. steel truss bridge with concrete abutments, 24 ft. M. O. Krause, Williamsport, co. engr.

W. Va., Mannington—Sept. 10, at City Officers, R. E. Moekler, city clk., two rein.-con. and steel bridges, one across Pyles Fork on Buffalo St., and other across Buffalo Creek on Clarksburg St. Concrete Steel Eng. Co., Park Row Bldg., New York City, N. Y., engrs.

N. C., Washington — Sept. 7, by Bd. Comrs. Beaufort Co., removing present bridge and constructing new bridge over Pantego Creek, 193,000 ft. creosoted lumber, etc. $30,000.

South Carolina—Sept. 1, by State Hy. Comn., Columbia, 253 ft. rein.-con. bridge over Enoree River, on State Route 8, State Project S-500, 123,975 lb. reinforcing, etc. E. D. Sloan, Court House, Greenville, engr.

Miss., Gulfport—See "Streets and Roads."

Louisiana—Sept. 10, by State Hy. Dept., Baton Rouge, Lake Lafourch Bridge, sixteen 25 ft panel, 400 ft. creosoted pile trestle on Oak Ridge-Rayville Highway, State Project 93-B, between Morehouse and Richland Parishes. W. B. Morton, highway engr.

Kentucky—See "Streets and Roads."

O., Dayton—Sept. 11, by G. F. Baker, dir. Pub. Serv., two 100 ft. span rein.-con. arch highway bridge over Wolf Creek, at Sunrise Ave., 6,000 cu.yd. concrete, etc. $225,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

Michigan—Aug. 31, by State Hy. Dept., at office Comrs. St. Clair Co., Port Huron, Bridge 771,703, 90 ft. rein.-con. span. G. C. Dillman, Lansing, highway engr.

Michigan—Sept. 9, by State Hy. Dept. at office of Comrs. Wayne Co., Detroit, Bridge 580303 3 span, cantilever type, Contr. 3. G. C. Dillman, Lansing, highway engr.

Wisconsin—See "Streets and Roads."

Ia., Vinton—See "Streets and Roads."

Tex., LaGrange—Sept. 1, by R. E. Schiller, engr., LaGrange, five 37 ft. span rein.-con. girder bridge across Pin Oak St., for Fayette Co. $35,000.

Tex., New Braunfels — Oct. 1, by City, 300 ft. rein.-con. bridge over Comal River, near Landa Park. $60,000. Terrell Bartlett Engineers, 621 Calcasieu Bldg., San Antonio, engrs. Noted July 30.

Washington — Sept. 15, by State Hy. Dept., Olympia, two 150 ft. steel trusses and 140 ft. rein.-con. T-beam approaches over Puyallup River, on State Rd. 5, between Sumner and Puyallup, Pierce Co. J. W. Hoover, highway engr.

Wash., Hoquiam — See "Contracts Awarded."

Ont., Welland—Aug. 31 (extended date), by J. W. Pugsley, secy. Dept. Rys. and Canals, Otta a, superstructure and machinery for 4 bascule bridges over Welland Ship Canal, here. $1,000,000.

BIDS RECEIVED

South Carolina—State Hy. Dept., Columbia, 168 ft. riveted steel truss over Crowders Creek, on State Route 163, State Project S-544, York Co., from Atlantic Bridge Co., Roanoke, Va. $13,400; also 148 ft. rein.-con. bridge in Newberry, State Project S-534, Newberry Co., from E. T. Mayer & Son, Newberry, $15,751. Noted Aug. 13.

CONTRACTS AWARDED

Alabama—Mobile Bay Bridge Co., Mobile, bridge over Mobile River, at Mobile and down Blakely Island into Baldwin Co., (tolls to be collected until bridge is paid for then bridge to be turned over to Mobile Co.), to Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., $1,800,000. Noted June 25.

Ohio—Dept. Highways & Pub. Wks., Columbus, concrete bridges on Sect. A, Hamilton-Middletown Rd., Butler Co., to C. Beatty, West Middletown $8,493, on Sect. E, Urbana-Sidney Rd., Champaign Co., to J. Frantz, Sidney $4,521, on Sect. 2, Canfield-Poland Rd., Mahoning Co., to Hunter Constr. Co., Youngstown $10,705, on Sect. J, Hillsboro-Piketon Rd., Pike Co., to E. P. Hinton, Chillicothe $5,288, on Sect. I, Cambridge-Newcomerstown Rd., Tuscarawas Co., to W. M. Brode Co., New Comerstown, $6,225; bridge and approaches on Sect. Twin Creek Bridge, National Rd., Preble Co., to Brookville Bridge Co., Brookville, $34,307, and $5,349 respectively, concrete arch through bridge on Sect. Prices

Bridges (Continued)

Creek Bridge, National Rd., Preble Co., and excavating channel and making approaches on same road to Putnam & Sunday, Antwerp, $12,377 and $3,573 respectively. Grand total $90,838.

Michigan—State Hy. Dept., at office Comrs. Macomb Co., Mt. Clemens, Bridge 501402, two 30 ft. twin span concrete and Bridge 501403 one 28 ft. twin span, both in Macomb Co., to E. C. Nolan & Son, 1497 Collingwood Ave., Detroit, $24,101 and $21,437 respectively.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 12, Sect. 1-C, Lawrence Co., to St. Louis Structural Steel Co., Bank Commerce Bldg., St. Louis, Mo., $13,690; on Route 3, Sect. 2-B, Morgan Co., to Herrick Constr. Co., Clarksville, $11,092; on Route 32, Sect. 4-B, Moultrie Co., to Dean Bros., Oblong, $31,251; on Route 36, Sect. 2-B, Hancock Co., to Federal Bridge Co., Des Moines, Ia., $12,234; on Route 40, Sect. 10-B, Jo Daviess Co., to W. H. Shons Sons, Freeport, $34,970. Grand total $103,237. Noted Feb. 26, June 11 and July 2.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 7, Sect. S, Bureau Co., to F. J. Smith, Tipton, Ia., $22,441; Route 1, Sect. 43-B, Saline Co., to C. Barth, Marion, $10,688; Route 23, Sect. 26-V, De Kalb Co., to G. C. Fairclo, Watseka, $11,170. Grand total $44,299. Noted June 18.

Wisconsin—See "Streets and Roads."

Kan., Abilene—Dickinson Co., Bridge 122, 112 rainbow arch spans over Mud Creek, to N. E. Marsh, Abilene, $26,850.

Kan., Abilene—Bd. Comrs. Dickinson Co., 112 ft. span rein.-con. arch bridge, 34 ft., over Mud Creek, on 3rd St., to N. E. Marsh, Abilene, $27,850.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 5 span, 327 ft. rein.-con. and steel bridge over River Des Peres, at Bway., to Frazier-Davis Constr. Co., Arcade Bldg., $97,624. Engrs. est. $105,500. Noted July 23.

Tex., Austin—W. D. Yett, mayor, 3 span, 240 ft. concrete arch open spandrel type bridge with concrete piers, 27 ft. deck, 20 ft. roadway, etc. across Bartons Creek, to A. A. Mundt, 812 West 6th St., $26,888. Engrs. est. $30,000. Noted Aug. 20.

Tex., Henrietta—See "Streets and Roads."

Washington—State Hy. Com., Olympia, two 122 ft. and one 144 ft. fixed, open spandrel, rein.-con. deck arch spans over Elwha River, on State Rd. 9, Clallam Co., to MacRae, 1107 Amer. Bank Bldg., Seattle, $76,491. Noted Aug. 6.

Wash., Hoquiam—City Comn. will build single-leaf bascule steel draw-bridge over Little Hoquiam River, by day labor, under supervision of M. M. Caldwell, Central Bldg., Seattle, engr. $36,000.

Dams

PROPOSED WORK

Neb., Spencer—Northern Nebraska Power Co., plans dam, here. $500,000.

Tex., Cotulla — See "Excavation, Drainage, Irrigation, Levees."

Tex., Gonzales—See "Buildings—Industrial."

CONTRACTS AWARDED

La., Shreveport—Caddo Lake Levee Bd., W. A. Kelley, secy., will build Caddo Lake dam by day labor; steel sheet piling, to Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa. J. L. Schely, Galveston, Tex., U. S. engr. in charge. Noted Aug. 6.

Railways

PROPOSED WORK

New Jersey—See "Buildings—Industrial" under "Newark."

North Carolina—Piedmont Northern Ry. Co., Charlotte, plans extending lines about 80 mi. from Charlotte to Winston-Salem. $10,000,000. W. S. Lee, pres.

North Carolina—Seaboard Air Line, Norfolk, Va., plans double tracking 156 mi. line from Norlina to Hamlet, here. $10,900,000. W. D. Faucette, ch. engr.

Kansas and Texas—Chicago, Rock Island & Pacific R.R., La Salle St. Sta., Chicago, plans 145 mi. standard gauge railroad line from Liberal, Kan., to Amarillo, Tex. $4,000,000. C. A. Morse, ch. engr.

Texas—Southern Pacific Ry. Co. (Texas Lines) H. M. Lull, ch. engr., Southern Pacific Bldg., Houston, making preliminary plans extending railroad from Falfurrias to Rio Grande River. $2,000,000.

Texas—Asherton & Gulf Ry., Asherton, making preliminary plans extending line from Bart to Eagle Pass, running through new town of Catarina. $600,000. R. T. Walker, Asherton, genl. mgr.

Oklahoma — Chicago, Rock Island & Pacific R.R., La Salle St. Sta., Chicago, Ill., plans 35 mi. line from Billings to Ponca City, here. $719,000. C. A. Morse, ch. engr.

British Columbia—North Vancouver Provincial Government, Victoria, plans completing Pacific and Great East System to Fort George and from North Vancouver to Squamish, also 15 mi. spur to Hat Creek Coal Mines. $2,000,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

BIDS DESIRED

Oregon—See "Contracts Awarded."

CONTRACTS AWARDED

Louisiana — Missouri Pacific R.R., Ry. Exch., St. Louis, 10 mi. track extension from Epps to Dephi, to R & P Switch Track Constr. Co., Bd. Trade Bldg., New Orleans. Noted July 30.

Oregon — Portland Electric Power Co., will build 3.5 mi. Greely cut-off to St. John Dist., by day labor. $150,000. A. Laugard, City Hall, engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Mass., Nantucket — South Beach Boatyard, Inc., plans bulkhead, marine railways, fill solid and dredge in Nantucket Harbor. $25,000. Private plans.

Mississippi—Fighting Bayou D. D., Sunflower Co. (Indianola), and Leflore Co. (Greenwood), making preliminary plan ditches, incl. 940,000 cu.yd. excav., etc. Abbott Eng. Co., Greenwood, engrs.

Minn., Glenwood—Pope Co., L. M. Landing, aud., plans Judicial Ditch 2, 14 mi. open ditch, 33 mi. tile and gates, controls, dam, spillway, etc. $88,600.

Tex., Cotulla—LaSalle Co. election soon $7,000,000 bonds constructing irrigation system, incl. 2 mi. rein.-con. dam, 90 ft. high, etc., 3 mi. west of here. Address B. Wildenthal, Cotulla, tax assessor. Noted Aug. 20.

BIDS DESIRED

Mass., Milford—Aug. 28, by Bd. Health, F. H. Lally, chn., dredging, widening and straightening channel in Charles River Valley, approximately 7,000 cu.yd. excav.

Ind., Albion—Aug. 28, by W. T. Knox, engr., Albion, constructing 9 mi. Seymour and Thumme ditch and drain, 74,653 cu.yd. excav., for Noble Co. $40,200.

Tex., Edinburg—Sept. 22, by Commissioners Hidalgo Co. at office Co. Judge, constructing flood control works. P. S. Devine, Pharr, engr.; adv. E. N.-R. Aug. 27. Noted May 28.

Ontario—Sept. 8, by J. W. Pugsley, secy. Dept. Railways & Canals, Ottawa, constructing Youngs Point Sect., Trent Canal.

Ont., Welland — Sept. 22, by J. W. Pugsley, secy. Dept. Rys. & Canals, Parliament Bldgs., Ottawa, constructing 4 mi. Sect. 6, Welland Ship Canal from Alexandria Bridge to Port Robinson, here. $5,000,000. W. A. Bowden, Hunter Bldg., Ottawa, ch. engr. Noted Aug. 7.

BIDS RECEIVED

Neb., Falls City—C. F. Bucholz, secy. Richardson Co. D. D. 1, July 29, 165,000 cu.yd. excav., from F. Gordon, Fort Dodge, Ia., at $0.075 per cu.yd., and two 100 ft. pony truss bridges, from Home Constr. Co., Humboldt, $8,100. Noted July 23.

CONTRACTS AWARDED

Miss., Water Valley—City, drainage ditch and deepening Town Creek Channel through city, to F. D. Harvey, 688 South Bellevue St., Memphis, Tenn. Engrs. est. $35,000.

Mich., Menominee—Menominee Community Building Co., H. E. Nadeau, secy., excavation for 4 story and basement, 100 x 200 ft. store, theatre, and office building, to H. J. Selmer Co., McCartney Bank Bldg., Green Bay, Wis.

Ill., Naples—Mainvaisterre Drainage and Levee Dist., Scott Co., 118,290 cu.yd. levee embankment and 100,231 cu.yd. ditch excav., to Matthews Bros., Erie. Noted July 9.

Ia., Council Bluffs — Pottawatomie Co., 153,235 cu.yd. excav. in main ditch and 20,950 cu.yd. in laterals, for Upper Silver D. D. 25, to Boyne Constr. Co., 909 9th Ave.

Ia., Greenfield—Adair Co., 229,151 cu.yd. excav. in D. D. 1, Jackson and Washington Twps., to F. M. Crane Co., 1124 City Natl. Bank Bldg., Omaha, Neb., at $0.0845 per cu.yd. Noted July 30.

Tex., Crandall — Kaufman Co. Levee Impvt. Dist. 13, Levees, ditches, etc., to Trinity Farm Constr. Co., Waxahachie, $62,000. Noted July 25.

Streets and Roads

PROPOSED WORK

Mass., Everett—Plans constructing High, Bway., Robin and Lynde Sts. $25,000.

N. J., Newark—See "Buildings-Industrial."

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, rejected bids Aug. 18, paving and repaving alleys in 1st Highway Dist. E-1 and 2, also 5th Highway Dist. E-5 and 6 G. H. Biles, dir. Pub. Wks.

N. J., New Brunswick — Middlesex Co., plans paving and curbing Lawrence, Edgeworth, James and Florence Sts.; and grading and curbing Ward, Oak and Townsend Sts. $80,000. W. F. Buchanan, Perth Amboy, engr.

W. Va., Buckhannon—Voted $103,000 bonds, paving various streets. A. Morgan, recdr. Noted July 30.

W. Va., Huntington—Cabell Co. election Sept. 22, $270,000 bonds improving roads in Barboursville Dist. J. M. Oliver, Huntington, engr. Noted May 21.

W. Va., Morgantown—Voted $400,000 bonds, improving various streets. C. McDowell, Morgantown, engr. Noted July 23.

W. Va., Morgantown—Monongalia Co. election Sept. 5, $360,000 bonds, improving roads in Battelle Dist. A. T. Baritell, Morgantown, engr.

W. Va., Wayne—Wayne Co. voted $200,000 bonds, improving various roads in Butler Dist. H. O. Wiles, Westmoreland, engr. Noted July 23.

Fla., Sanford — Plans sheet asphalt paving and repaving portions of 10th St., Pecan, Olive and Mulberry Aves. $67,370. L. R. Philips, city clk.

Ala., Tuscaloosa — Tuscaloosa Co. voted $300,000 bonds, improving Tuscaloosa-Jefferson Co. line Highway.

Miss., Moorehead—Sunflower Co. voted $140,000 bonds, grading and improving various roads in Separate Road Dist. 2 Beat.

La., Lafayette—Bd. Trustees soon take bids curbing and paving 54 various streets. V. E. Smith, city engr.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, plans grading, etc., 5 mi. Bluff City-Carter Co. line Rd., Sullivan Co., 25 mi. Erin-Waverly Rd., Humphreys and Houston Counties, and 10 mi. Union City-Fulton Rd., Obion Co. J. G. Creveling, highway comr.

Tenn., Chattanooga—Hamilton Co. making plans probably concrete surfacing road up Lookout Mountain. To exceed $100,000. E. G. Munell, Chattanooga, co. engr. Noted Apr. 30.

Tenn., Clinton—Anderson Co. plans election $115,000 bonds, improving various roads.

Tenn., McMinnville—Voted $60,000 bonds, paving various streets.

Ky., Mayfield—Graves Co. voted $400,000 bonds, improving various roads, I. N. Hughes, co. judge.

O., Akron—W. F. Peters, dir. Pub. Serv., rejected bids July 29, grading, curbing, laying sidewalks and vitr. brick paving, etc. 1,060 sq.yd. Warner St. $15,500. Will readvertise. Noted Aug. 20.

O., Canton—Plans improving Greenfield Ave. S.W. $60,000-$75,000, 4th St. N.W., $35,000, 1 mi. 14th St. N.E. $85,000, Rowland Ave. N.E. $80,000, and 1 mi. 25th St. N.W. $60,000; widening and asphalt repaving McKinley Ave. N.W. $60,000. W. E. Sarver, Canton, engr.

O., Cleveland — Plans widening and improving Lake Shore Blvd., Ford Dr. N. E., Mayfield Rd. S. E., Broadway S. E., Fulton Rd. S. W., new highway to relieve Lorain Ave., East 18th, 14th, 13th and 55th Sts., Wade Park Ave. N. E., Payne Ave. N. E., Carnegie Ave. S. E., Central Ave. S. E., Hamm Ave. S. E., Harvard Ave. S. E. and West 14th and Jennings Ave. S. W., etc. $2,000,000. R. Hoffman, City Hall, engr.

O., Marion—Plans improving Spencer St. $28,350; Uhler Ave. $32,328, Gurley Ave. $25,000, and Oak St. $42,643. T. S. Cathers, city engr.

O., Wooster—Wayne Co. plans improving 3 mi. Hunter School Rd. $65,000.

Streets and Roads (Continued)

Ind., Anderson — Plans concrete paving 0.75 mi. John St., 30 ft., $25,000; and 2 mi. West 9th and Rocky Aves., 20 ft., $60,000. W. H. Donney, City Hall, engr.

Ind South Bend—St. Joseph Co., plans grading and graveling 3 mi. Wolfe Rd., 24 ft. $35,000. P. R. Gillin, South Bend, engr.

Mich., Detroit—Plans Medina or Berea curbing, and 3½ in. asphalt on 8 in. concrete paving 12,800 sq.yd. Lakepoint Ave., Sect. 2 $60,460, 2,760 sq.yd. Pinehurst Ave. $13,000, 3,040 sq.yd. Wildemere Ave. $14,-300, 2,260 sq.yd. LaBelle Ave. $10,660, 3,759 sq.yd. Griggs Ave. $16,790, 8,650 sq.yd. Martindale Ave. $38,920, all 30 ft.; 1,050 sq.yd. Liebo St. $4,700, 3,710 sq.yd. Holcomb Ave. $17,460; 3,530 sq.yd. Peter Hunt Ave. $16,650, 1,950 sq.yd. Willard Ave. $8,750, 1,305 sq.yd. Leach Ave. $5,880, 2,130 sq.yd. Quincy Ave. $9,580, all 28 ft.; 9,150 sq.yd. Fullerton Ave. $41,120, 36 ft.; 2,540 sq.yd. Cloverlawn Ave., 26 ft., $11,970; 4,030 sq.yd. Courville Ave., Sect. 2, 30 and 36 ft. $19,020; 11,250 sq.yd. Manistique Ave., 28 and 30 ft., $50,220. P. A. Fellows, City Hall, engr.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids guard rail on Project 1, Sect. 16-G, Lawrence Co. and Route 12, Sect. 9-G, Clay and Richland Counties. Noted June 18.

Ill., East St. Louis—Takes bids about Oct. 1, widening 1,400 ft. St. Clair St. 19 or 20 ft.; and asphalt surfacing 4,200 sq.yd. or 8 in. concrete surfacing 2,700 sq.yd., St. Clair St. $33,100. W. McK. Brown, City Hall, engr. Noted Aug. 20.

Wis., Portage — Making plans concrete paving, etc. 12,500 sq.yd. West Pleasant St. and concrete or asphalt paving, etc. 6,300 sq.yd. West Carroll St. To exceed $25,000. C. W. Smith, City Hall, engr.

Wis., Rhinelander—A. Moe, city clk., soon takes bids sheet asphalt paving approximately 25,000 sq.yd. 11 streets. To exceed $25,000. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs.

Kan., Alma — Wabaunsee Co. making preliminary plans grading, etc. 15.5 mi. Dover Rd., 26 ft. F. Itz, Alma, engr. Kansas Eng. Co., 1233 Western St., Topeka consult. engrs.

Kan., Kansas City — Wyandotte Co. making plans concrete surfacing 1.05 mi. Westermeyer Rd., 18 ft. To exceed $25,000. O. K. Williamson, co. engr.

Kan., Kingman — Making preliminary plans grading, curbing and 3 in. fibre brick on 5 in. concrete paving 10,000 sq.yd. various streets. C. A. Haskins, 824 Finance Bldg., Kansas City, engr.

Kan., Leavenworth—Making preliminary plans grading, curbing and asphalt on 5 in. concrete surfacing James street from 6th St. to Bway., asphaltic concrete surfacing Pennsylvania St. from 2nd to 5th Sts., and virtical fibre brick on concrete surfacing Pawnee St. from 2nd to 4th Sts.

Kan., Ottawa—Making preliminary plans grading, curbing and hard surfacing 14 blocks East 4th, East 6th, South Oak and Maple Sts.

Kan., Paola—Miami Co. making preliminary plans grading, etc. 9.623 mi. Jefferson Highway, Federal Aid Project 293-C, 28 ft. F. Gardner, Paola, co. engr. Kansas Eng. Co., 1233 Webster St., Topeka, engrs.

Kan., Phillipsburg—Making preliminary plans grading, curbing and hard-surfacing 12,000 sq.yd. various streets. C. A. Haskins, 824 Finance Bldg., Kansas City, Mo., engr.

Neb., Alma — Making preliminary plans grading, curbing and hardsurfacing 8 blocks various streets. Bruce & Grupe, 710 Bankers Reserve Life Bldg., Omaha, engrs.

Neb., Ashton—Making preliminary plans grading, curbing, gravel or hardsurfacing 15 blocks various streets. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., Centralia—Making preliminary plans paving various streets. To exceed $25,000. Benham Eng. Co., 512 Gumble Bldg., Kansas City, engr.

Mo., Paris — Making preliminary plans grading, curbing and asphalt on concrete paving 9,000 sq.yd. various streets. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Mo., St. Louis—Plans grading and concrete paving alleys in City Blocks 2729, 2759, 2817, 2884, 2885 2925, 2971, 3996, 4029S, 4099, 4098S, 4102, 4103S, 4448, 4449A, 4995, 5296, 5319, 5481, 5535, 5570 and 5640. $62,230. W. W. Horner, city engr.

Mo., Springfield — City making preliminary plans grading, curbing and concrete paving 8,150 yd. Lynn St. G. W. Culler, City Hall, engr.

Mo., Springfield — Making plans curbing and concrete paving approximately 9,500 yd. various streets. G. W. Culler, 998 North Jefferson St., engrs.

Mo., Sweet Springs—City, c/o L. B. Harwood, city clk., making preliminary plans grading, curbing and hardsurfacing various streets. To exceed $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Arkansas—State Hy. Dept., Little Rock, making preliminary plans grading, hardsurfacing, etc. 10 mi. Newport-Little Rock Highway, Jackson Co. $93,000. R. C. Limerick, highway engr.

Ark., Harrison — Making preliminary plans grading, curbing and paving 10 blocks streets in Dist. 1, and 5 blocks in Dist. 2, also sewers in business district. E. M. Ratcliffe, Fayetteville, engr.

Texas—State Hy. Dept. Austin, making preliminary plans asphalt topping about 35 mi. highway from Guadalupe through Gonzales to Fayette Counties. $1,300,000.

Tex., Alice—Jim Wells Co., making plans 1 in. cold rock asphalt on concrete or alternate Bates section concrete on caliche with waterbound top and 1½ in. hot asphalt surfacing 14.3 mi. State Highway 12, Federal Aid Project 429-E. $217,000-$353,000. L. W. S. Mantel, Alice, engr.

Tex., Austin—Travis Co., making plans bituminous on crushed stone surfacing 8 mi. State Highway 20, from point near Oak Hill to Hays Co. line. $75,000. O. Leonard, Box 256, Austin, engr.

Tex., Austin — Travis Co., plans hardsurfacing 7.9 mi. highway to form part of Fredericksburg Highway. $150,000. State appropriated $38,582 toward cost. O. Leonard, Box 256, co. engr.

Tex., Beeville—Bee Co., takes bids after Aug. 25, rock asphalt surfacing 12.4 mi. State Highway 12, Beeville-Berclair Rd., 18 ft. $60,000. R. Harrison, Beeville, engr.

Tex., Brownsville—Brazos Santiago Eagle Pass Ferry Co., making plans handsurfacing about 7 mi. Ocean Beach Driveway, 25 ft. $75,000. S. Robertson & A. E. Anderson, Brownsville, engrs.

Tex., Caldwell — Burleson Co., election soon $500,000 bonds, for 60 mi. highway improvements. State Highway Dept. appropriates $500,000 toward cost. Address R. S. Bowers, State Senator.

Tex., Cuero—De Witt Co., election soon $200,000 bonds hardsurfacing 10 mi. highway between Yoakum and Hochheim. S. Kulawik, Cuero, judge.

Tex., Fort Worth—Tarrant Co. making plans widening and rein.-con. paving 6.7 mi. State Highway 5, Dallas-Ft. Worth Pike Rd., 24 ft. $539,000. B. A. Davis, Fort Worth, engr.

Tex., Fort Worth—Tarrant Co. making plans 2 in. asphalt surfacing 7.63 mi. State Highway 10, from Benbrook to Co. line. $115,000. D. A. Davis, Ft. Worth, engr.

Tex., Hillsboro — Hill Co., election soon $75,000 bonds hardsurfacing about 7 mi. highway in Blum Rd. Dist. O. Culberson, Hillsboro, co. judge.

Tex., Jasper—Jasper Co. making plans gravel surfacing 12½ mi. State Highway 62 from Buna, to Newton Co. Line. $100,000. C. P. Hunter, Jasper, engr.

Tex., Jefferson—Marion Co., making plans bituminous macadam paving 7.57 mi. State Highway 8, Jefferson to Cass Co. line. $80,000; also 3.56 mi. State Highway 8, Jefferson to Harrison Co. line, $50,000. T. B. Warden, Jefferson, engr.

Tex., Jourdanton — Atascosa Co. making plans grading, bridging and bituminous macadam paving 9.08 mi. State Highway 9, 18 ft. $180,000. J. V. Curnutte, Jourdanton, engr.

Tex., Lufkin — Election soon $125,000 bonds hardsurfacing 3 mi. various streets. C. N. Humason, city mgr.

Tex., Lufkin—C. N. Humason, city mgr., soon takes bids paving, curbing, etc. 3 mi. various streets. $60,000. Engineer not announced.

Tex., Madisonville—Madison Co., making plans grading and rein.-con. bridging 3 mi. State Highway 21, from Madisonville, west, 26 ft. $26,000. A. McCormack, Madisonville, engr.

Tex., Mexia—Voted $75,000 bonds, paving various streets. R. D. Morgan, Mexia, engr.

Wash., Shelton—Plans paving 25 blocks various streets in residential district.

Tex., Smithville — Bastrop Co. election soon $25,000 bonds, graveling, etc. 4 mi. Giddings-Waelder Highway. Address County Engineer.

Tex., Weslaco — Soon takes bids permanent paving 30 blocks various streets. $70,000. H. E. Bennett, Weslaco, engr.

Tex., Waco—Election Sept. 22, $250,000 bonds, paving various streets. V. G. Koch, city engr.

Okla., Okemah — Making preliminary plans grading, curbing and 6 in. concrete surfacing 10 blocks Paving Dist. 4. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—Plans grading and sheet asphalt surfacing, etc., 42,000 sq.yd. Grand Blvd. $161,000. B. M. Hart, City Hall, Oklahoma City, engr.

Calif., San Diego—Common Council plans improving Ivanhoe, Wall and Cave Sts., 93,435 sq.ft. bituminous on 5 in. concrete paving, 853 sq.ft. concrete sidewalks, etc.; also Nautilus St., 101,506 sq.ft. 4 in. concrete paving, 12,510 sq.ft. concrete sidewalks, 886 lin.ft. curbing, etc. F. A. Rhodes, city engr.

BIDS DESIRED

N. Y., Brooklyn—Sept. 2, by J. A. Guider, boro pres., Boro Hall, grading, curbing, flagging and permanent asphalt paving, etc. Avenue M, Crown, East 10th, 16th, 26th, 37th, 98th, 95th, 52nd, 55th, 61st and 71st Sts.; permanent asphalt paving, etc. Rutland Rd., 63rd, East 9th and 94th Sts., 19th and Gates Aves.; curbing and permanent asphalt paving East 28th St.; permanent granite and asphalt repaving Montague St. and Rochester Ave.; grading, curbing and flagging, etc. West 9th and 64th Sts.

N. Y., New York—Sept. 3, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., bituminous concrete paving, etc. Lawrence Ave., McClellan, East 212th and Melville Sts.; sheet asphalt paving, etc. White Plains Rd., Mead St., Ellis and Holland Aves.; asphalt block paving, etc. Fox St.; sewer and appurtenances in O'Brien and College Aves.

N. Y., New York—Sept. 3, by J. Miller, pres., Manhattan Boro, Municipal Bldg., granite block repaving, etc. West and Marginal Sts., and Wharf or Place on North River from Laight to Watts Sts; also widening and sheet asphalt repaving 57th St.

N. Y., St. George—Aug. 31, by J. A. Lynch, boro pres., Boro Hall, concrete curbing with steel guard and concrete sidewalks, etc. on Fingerboard Rd.; bituminous concrete paving, etc. Clove Rd. Noted Aug. 20.

N. Y., White Plains—Sept. 8, at office Clerk Bd. Supervisors, Court House, rein.-con. paving Rd. 27-27 A, in Pleasantville; Rd. 30, here; and Rd. 36 in Yonkers; adv. E. N.-R. Aug. 27.

New Jersey—Sept. 14, by State Hy. Comn., Trenton, constructing Delaware River Bridge Connecting Rd., Sects. 1 and 2 in Pensauken Boro., and Delaware River Bridge Entrance Rd., Sect. 2, in Camden, together with relocation Cooper River, etc.; also trolley track paving Route 9, Sect. 4, in Dunellen, Middlesex Co., etc. A. L. Grover, secy.; adv. E. N.-R. Aug. 27.

N. J., Ocean City—Sept. 7, by Bd. Comrs., City Hall, sheet asphalt on concrete paving various streets, Contr. 780. W. H. Collisson, Jr., city engr.; adv. E. N.-R., Aug. 27.

Maryland — Sept. 1, by State Roads Comn., Baltimore, concrete paving 2.42 mi. Contr. P-42, Prince George Co. J. N. Mackall, chn.; adv. E. N.-R. Aug. 27.

Maryland—Sept. 1, by State Rds. Comn., Baltimore, graveling 2.63 mi. road from Pomfret to Benville School, Charles Co., Contr. Ch-34. J. B. Mackall, chn.

Md., Baltimore—Sept. 2, by Bd. Awards, concrete paving alleys as listed in Alley Contr. 117. $25,000. S. Purcell, City Hall, highways engr.

W. Va., Clarksburg—Sept. 1, by D. H. Hamrick, city clk., improving Bway., East Pike, Hill, Sumner, North 15th and Camden Sts., 2,500 cu.yd. vitr. brick, 1,260 cu.yd. rein.-con., 8,260 cu.yd concrete curbing, 3,700 cu.yd. excav., 3,570 ft. vitr. sewers, etc. T. S. Long, city engr.

W. Va., Marlinton — Sept. 1, by Pocahontas Co. Court, bituminous macadam surfacing 3.58 mi. Durbin-Bartow Rd., 16 ft., portions of Projects 3090 and 3356. $70,000. H. R. Anderson, Charleston, engr.

W. Va., Wayne—Sept. 10, by Wayne Co., improving 5.2 mi. Beech Fork Rd. Project 101, 2 mi. Garretts Creek Rd., 2.15 mi. Lynn Creek Rd. and Browns Bridge near mouth Bowen Creek, all in Union Dist.; 2.55 mi. Beech Fork Rd. and 2.5 mi. Little Lynn Rd., both Stonewall Dist. H. O. Wiles, co. road engr.

W. Va., Wheeling—Sept. 3, by Ohio Co. vitr. brick surfacing, etc. 2,900 sq.yd.

Streets and Roads (Continued)

Memorial Blvd. $140,000. Former contract rescinded. A. C. Hoffman, Wheeling, engr. Noted July 2.

N. C., Elizabeth City—Sept. 1, by Comrs. Pasquotank Co. concrete or asphalt paving 3 mi. Simonds Creek Rd. $75,000. J. R. Ford, Elizabeth City, engr.

N. C., Mount Holly—Sept. 9, by Mayor, grading, curbing, and hard surfacing various streets, 20,000 sq.yd. Carolina Eng. Co., 917-919 Johnston Bldg. Charlotte, engrs. G. H. Bishop, consult. engr.

South Carolina — Sept. 1, by State Hy. Comn. Columbia, grading and sand clay paving 14,090 cu.yd. State Route 341, State Project S-581. J. M. Martin, Florence, engr.

Florida—Sept. 1 by State Rd. Dept., Tallahassee, clearing, grubbing, grading, etc. about 11.76 mi. Federal Aid Project 41, Rd. 4, Dade Co. J. L. Cresap, state engr. Noted Aug. 7.

Fla., Bartow—Aug. 31, by Comrs. Polk Co., asphalt on Bartow clay or Florida lime rock paving about 34 mi. various roads, also culverts and bridges in Special Rd. and Bridge Dist. 12. N. D. Raulerson, clk. Noted Apr. 9.

Miss., Gulfport—Sept. 8, by Bd. Supervs. Harrison Co. grading and bridging 15.8 mi. Lyman-Poplarville Rd. W. S. Hawkins, Gulfport, consult. engr.

Miss., Rolling Fork — Sept. 1, by Bd. Supervs. Sharkey Co., improving 7.458 mi. Federal Aid Project 50-C, 5.4 acres clearing and grubbing, 205,589 cu.yd. borrow, 36,634 ft. creosoted and 1,530 ft. untreated timber, 17,505 cu.yd. gravel 1 mi. haul, 14,459 units ½ mi. overhaul, 6.989 mi. Bermuda sod, etc. H. C. Dietzer, Jackson, engr.

Louisiana—Sept. 10, by State Hy. Dept., Baton Rouge, constructing 11 mi. State Project 453 B 1, on Haynesville-Bernice Highway, and 10 mi. State Project 453 B 2, through Colquit, both Claiborne Parish; also 1.57 mi. State Project 496 A, St. Landry Parish. W. B. Robert, highway engr.

Louisiana—Sept. 15, by State Hy. Dept., Reymond Bldg., Baton Rouge, grading and graveling 4.37 mi. Sicily Island-Clayton Highway, Federal Aid Project 161A, Catahoula Parish. W. B. Robert, highway, engr.

La., Bastrop — Sept. 1, by Police Jury Morehouse Parish, graveling 2,400 cu.yd. Gallion-Bonidee Roadway, bids also furnishing material for above. J. L. White, parish engr.

La., Lafayette — Sept. 8, by Bd. City Trustees, cement sidewalks on 16 mi. various streets. V. E. Smith, city engr.

La., New Orleans—Sept. 1, by Comr. Finance O'Keefe, hard-surfacing 18 streets listed in last half 1925 paving program. Former bids rejected.

Kentucky—Sept. 21, by State Hy. Dept., Frankfort, **(F.A.P. means Federal Aid Project**, and **S.A.P. means State Aid Project)**, grading 5.87 mi. Rockport-Beaver Dam Rd., 24 and 28 ft., S.A.P. 45-A, Ohio Co., 9.007 mi. Middlesboro-Prunden Rd., and 4.166 mi. Middlesboro-Prunden Ro., 20 and 22 ft., S.A.P. 5-G, Bell Co., 5.71 mi. Harlan-Whitesburg Rd., 24 and 28 ft. F.A.P. 140-A, Harlan Co., 6.398 mi. Clinton-Fulton Rd., 26 and 30 ft., F.A.P. 131-D, Hickman Co., 5.68 mi. Jamestown-Liberty Rd., 24 and 28 ft., F.A.P. 142-A, Russell Co.; rock asphalt, bituminous macadam or water-bound macadam surfacing 11.36 mi. Maysville-Flemingsburg Rd., 18 ft., S.A.P. 68-A, Mason Co.; rock asphalt, bituminous macadam or asphaltic concrete surfacing 2.01 mi. Owensville-Farmers Rd., 18 ft., F.A.P. 137-A, Bath Co.; one 90 ft. steel span and one 50 ft. I-beam bridge, on Little River-Cadiz Rd., F.A.P. 11-C, Trigg Co. E. N. Todd, highway engr.

O., Akron—Sept. 2, by Comrs. Summit Co., grading and traffic bound slag paving, etc. 2.5 mi. Hametown-Richfield Rd., 6,000 tons slag, etc. $27,200, 3.93 mi. East Akron-Massillon Rd., $42,800, 4.65 mi. Clinton-Greensburg Rd., 11,000 tons slag, etc. $59,500, 1.54 mi. Bath-Stow Rd., 3,600 tons slag, $27,300, 1.23 mi. Cuyahoga Falls-Hudson Rd., 3,000 tons slag, etc., $13,000, and 1.27 mi. Wadsworth-Johnston Rd., 3,000 tons, slag, etc., $13,400. R. E. Willems, Court House, engr. Noted Aug. 6.

O., Akron—Sept. 4, by W. F. Peters, dir. Pub. Serv., grading, curbing, laying sidewalks, sewers, boulevard lights and vitr. brick paving 8,215 sq.yd. Merriman Rd. $115,000. Former bids rejected. E. A. Kemmler, Delaware Bldg., engr. Noted Aug. 20.

O., Cincinnati—Aug. 31, by Director Pub. Serv., grading, curbing, guttering and bituminous macadam paving, etc., 1,000 ft. Kellogg Ave., 20 ft. $376,865. F. Krug, City Hall, engr. Noted Apr. 16.

O., Cleveland—Aug. 29, by Comrs. Cuyahoga Co., paving Bliss Rd. 2 R. F. Lander, Court House, engr.

O., Columbus—Sept. 8, by W. H. Duffy, dir. Pub. Serv., grading, curbing, laying necessary water mains, sewer connections and paving **(a)** asphalt or **(b)** brick 2,032 ft. Parsons Ave., 34 ft. **(a)** $26,937 **(b)** $35,871; 465 ft. Chapel St., 21 ft. **(b)** $8,727; 523 ft. Wall St., 18 ft. **(a)** $6,097 **(b)** $7,783, and 1,012 ft. Thurlow Ave., 21 ft. **(a)** $8,976 **(b)** $12,006.

O., Euclid—Sept. 8, by Village, sheet asphalt or concrete paving Cut Rd. from Lake Shore Blvd. to Lake Rd. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg. Cleveland, engrs.

O., Lakewood (Cleveland P. O.)—Aug. 31, by Village, brick or asphalt paving, 7 various streets. $100,000. E. A. Fisher, City Hall, engr.

Ind., Newport—Sept. 7, by H. C. Ingram, engr., Newport, concrete paving 25,342 sq.yd. Perona Rd., for Vermillion Co. $59,900.

Ind., Plymouth—Sept. 8, by J. Hildebrand, engr., Plymouth, grading and graveling 3 mi. Stout Rd., 24 ft., for Marshall Co. $27,377.

Ind., Rushville—Sept. 7, by F. L. Catt, Rushville, engr., concrete paving 17,952 sq.yd. Allen Rd., for Rush Co. $41,575.

Ind., South Bend—Aug. 28, by P. R. Gillin, engr., South Bend, grading and graveling 2.85 mi. Edwardsburg Highway, for St. Joseph Co. $26,138.

Ind., Valparaiso—Sept. 10, by F. R. McNiece, engr., Valparaiso, grading and graveling 2.035 mi. Frame Rd., 24 ft., for Porter Co. $28,900.

Ind., Warsaw—Aug. 29 by S. S. Boggs, engr., Warsaw, concrete paving 14,784 sq.yd. Dan W. Kelly Rd., for Kosciusko Co. $30,190.

Ind., Warsaw—Sept. 7, by S. S. Boggs, engr., Warsaw, grading and graveling 2.52 mi. Munson Rd., 24 ft., for Kosciusko Co. $26,581.

Ind., Williamsport—Sept. 7, by J. R. Gregory, engr., Williamsport, grading and gravelling 2.41 mi. Felix Rd., $26,200, and 2.52 mi. Jones Rd., $27,100, both 26 ft. for Warren Co.

Michigan—Sept. 1, by State Hy. Dept., at office Comrs. Kent Co., Grand Rapids, graveling 3.81 mi. Grattan-Moseley Rd. G. C. Dillman, highway engr.

Michigan—Sept. 1, by State Hy. Dept., at office Comrs. Ionia Co., Ionia, grading and graveling 28,422 sq.yd. County A.D. 26. G. C. Dillman, Lansing, highways engr.

Michigan—Sept. 8, by State Hy. Dept., at office Comrs. Muskegon Co., Muskegon, grading 3.221 mi. State Trunk Line 54-15, Sect. A, 32 ft. G. C. Dillman, highway engr.

Wisconsin—Sept. 4, by State Hy. Comn., at Office 4, Wisconsin Rapids, improving following sections of Kilbourn-Wisconsin Rapids Rd., Project 394-A, Adams Co., Sta. 652 plus to 664 plus 35, 8,971 cu.yd. excav., 2.86 acres clearing, 30 ft. concrete deck girder span bridge, 24 ft. roadway, 144.5 cu.yd. concrete; also Sta. 123-A plus 50 to Sta. 145-A plus 00, 24,614 cu.yd. excav., 7,220 cu.yd. borrow, 5,375 sq.yd. willow matting riprap, 25 ft. concrete deck girder bridge 600 cu.yd. concrete, etc. or alternate 10,754 cu.yd. excav., 45 ft. span concrete deck girder bridge, 144.5 cu.yd. concrete, etc. J. T. Donaghey, Madison, highway engr.

Minn., Albert Lea—Sept. 15, by C. Holway, aud. Freeborn Co., grading, etc. $85,700 cu.yd. State Project 24:09G, Sect. 2, State Aid Rd. 9; also 30,000 cu.yd. State Aid Project 24:18G, State Aid Rd. 18. $26,000. C. W. Squire, Albert Lea engr.

Mo., Louisiana—Sept. 10, by D. C. Weaver, city clk., grading, curbing, concrete paving, etc. 1 mi. various streets, 30 and 40 ft. $77,000. Caldwell Eng. Co., Jacksonville, Ill., engrs. Noted Mar. 21.

Mo., St. Joseph — Sept. 1, by Buchanan Co., grading 2.25 mi. Ferril Rd., 38 ft. $25,000. O. A. Loomis, St. Joseph, co. engr.

Neb., Rulo—Sept. 8, by V. W. Coupe, city clk., grading, curbing, guttering, gravel surfacing, etc. streets in Impvt. Dist 2. $35,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Arkansas—Aug. 31, by State Hy. Dept., Little Rock, improving 7.95 mi. Federal Aid Project 231-A, Ashley Co., 4 acres clearing, 11.44 acres grubbing, 48,388 cu.yd. excav., 17,586 ft. treated and 13,176 ft. untreated timber, etc.; 10.376 mi. Federal Aid Project 190-C, Lee Co., 17.79 acres clearing, 20.05 acres grubbing, 74,962 cu.yd. excav., 56,898 cu.yd. gravel, 87,586 lb. structural steel, etc.; 6.893 mi. Federal Aid Project 195-A, Monroe Co., 2.45 acres clearing, 2.8 acres grubbing, 44,920 cu.yd. excav., 36,496 cu.yd. gravel, etc.; 7.225 mi. Federal Aid Project 219-A, Woodruff Co., 1.8 acres clearing and grubbing, 36,263 cu.yd. excav., 26,884 cu.yd. gravel, 71,532 ft. treated and 55,585 ft. untreated timber, etc. R. C. Limerick, highway engr.

Ark., Walnut Ridge—Paving Dist. 1, taking bids and opens same about Sept. 10, 5,000 sq.yd. rein.-con. paving, and 11,000 sq.yd. graveling, etc., various streets. Cobb & Lee, Jonesboro, engrs.

Tex., Alpine—See "Contracts Awarded."

Tex., San Antonio—Sept. 11, by Comrs. Bexar Co., San Antonio, ¼ to 1 in. asphalt topping about 3 mi. Cleveland Ct., Albany and Townsend Sts., Garrity and Terrell Rds., Patterson, Basden, Broadway and New Braunfels Aves., in Precinct 3, 16 ft. $50,000. A. C. Pancoast, San Antonio, co. engr. Noted Aug. 20.

Nevada—Sept. 2, by State Hy. Dept., Carson City, improving 5.4 mi. West County Line-Virginia City Rd., Route 17, Sect. A, Storey Co., 46,000 cu.yd. excav., 14,576 yd. sta. overhaul, etc. G. W. Borden, highway engr.

Washington—Sept. 15, by State Hy. Com., Olympia, clearing, grading, and gravel or crushed rock surfacing, etc. approximately 8 mi. State Rd. 22, Stevens Co., $25,000; clearing, grading, etc. 8 mi. State Rd. 5, Yakima Co., to exceed $25,000; grading approximately 1.25 mi. State Rd. 1, clearing, grading, gravel or crushed rock surfacing, etc. 0.2 mi. State Rd. 2, both in King Co., gravel surfacing approximately 12 mi. State Rd. 9, Grays Harbor Co., clearing, grading, gravel or crushed rock surface approximately 1 mi. State Rd. 5, Lewis Co. and crushed rock surfacing approximately 10 mi. State Rd. 3, Whitman Co. To exceed $25,000. J. W. Hoover, highway engr.

California—Sept. 8, by State Hy. Comn., Sacramento, grading and graveling, etc., 3.8 mi. road between point 4 mi. west of Bieber and Bieber, Lassen Co. and grading and surfacing 7.4 mi. road between Laguna Beach and San Juan Creek, Orange Co., 26,100 tons crushed gravel or stone. R. M. Morton, highway engr.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks. Boston, bituminous macadam paving 2,500 ft. highway in Winchendon, from R. E. Bull, 151 Harrison Ave., Fitchburg $13,975, 2,350 ft. highway in Canton, from Reynolds Bros., Inc., 179 Summer St., Boston $22,948, 2,050 ft. highway in Cohasset, from Weston, Allerton $20,403, and 3,275 ft. highway in Southborough, from J. Laurenzi, 453 Mechanics St., Leominster, $18,349; bituminous concrete paving 6,336 ft. highway in East Bridgewater, from Washburn & Sheridan, East Taunton, $20,850; concrete bridge and bituminous macadam approaches on 2,347 ft. highway in Dalton, from C. B. Lindholm, 24 North St., Pittsfield, $47,092.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., Aug. 20, grading, etc. East 197th St., and sewers, etc. in Lacombe Ave., from Remo Realty Co., 645 East Tremont Ave., $8,851 and $7,747 respectively; grading, etc. Sheridan Ave., from T. DiRoma, 33 Evelyn Pl. $25,102, Paulding Ave., from A. Gregorio & Co., 1121 Nell Ave. $24,612, and East 196th St., from Burnside Contg. Co., 270 Burnside Ave., $5,955; curbing, etc. Tyndal Ave., from J. Gebert, 82 Bolton Ave., $6,694; retaining walls Harlem River Terrace and Fordham Rd., from H. M. Duffy, 597 East 132nd St., $42,645; sewers in College Ave., from J. V. Timoney Constr. Co., 220 East 201st St., $8,418. Noted Aug. 13.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Aug. 18, granite block repaving Marginal St., from P. Cramer, 154 East 50th St., $14,285; Houston St., from J. Meehan & Son, 74 Cortlandt St., $3,317; and West 125th St., from C. Helbock, 633 Wales Ave., $8,449. Noted Aug. 13.

N. J., Elizabeth — Union Co., Aug. 13, paving 7,690 lin.ft. Galloping Hill Rd., from J. F. Burke, 309 Park Ave., Plainfield, sheet asphalt $99,093; from J. M. Reuter Co., 25 Westfield Ave., Elizabeth, concrete $99,303.

N. J., Manville — Somerset Co. (Somerville), Aug. 18, concrete paving, etc. 16,877 sq.yd. road through here, from Utility Constr. Co., 5 Spring St., New Brunswick, $60,279.

N. J., Rahway—Union Co. (Elizabeth), Aug. 13, paving 5,610 lin.ft. New Brunswick Ave., from J. F. Burke, 309 Park Ave., Plainfield, asphalt $73,674, concrete $72,179.

Streets and Roads (Continued)

Delaware—State Hy. Dept., Dover, Aug. 19, grading and paving with (a) stone aggregate or (b) slag aggregate (1) 2,920 cu.yd. Harmon School-Oak Orchard Rd., Contr. CS37 (2) 1,900 cu.yd. Ocean View-Bethany Beach, Contr. CS41 (3) Lowes Cross Rds. Mission, Contr. CS42 (4) 480 cu.yd. Blades Connection, CS43 (5) 1,615 cu.yd. Dupont Rd.-Stockley, Contr. CS44, from Stewart & Donohue, 14th and Grand Sts., Wilmington, (a1) $52,408; from Old Line Constr. Co., Chestertown, Md., (b1) $51,475 (a5) $30,762 (b5) $29,809; from W. W. Truitt, Lincoln City, (a2) $39,038 (b2) $38,943; from Highway Eng. & Constr. Co., Selbyville (a3) $105,409; from Field, Barker & Underwood, Commercial Trust Bldg., Phila., Pa. (b3) $103,090; from E. P. Downing, Seaford, (a4) $9,232 (b4) $9,232. Noted Aug. 6.

Md., Baltimore — Grading, curbing, and sheet asphalt paving 18,050 sq.yd. streets listed in Contr. 297-NA from Roland Park Co., Garrett Bldg., Roland Park, $31,314; grading, curbing and concrete paving 12,830 sq.yd. streets in Contr. 298-NA, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $80,105.

Md., Baltimore — Grading and concrete paving 14,240 sq.yd. streets listed in Contr. 296-OANA, from Tydings, Marine Co., 2 East Lexington St., Baltimore, $40,818.

Md., Baltimore—Bd. Adwards, Aug. 12, improving streets listed in Contr. 295 NA, from F. D. Carozza, Garrett Bldg., Baltimore, $41,907. Noted Aug. 6.

South Carolina—State Hy. Dept., Columbia, bituminous concrete surfacing 4.6 mi. State Route 8, Federal Aid Project 20-A Cherokee Co., from Southern Paving Constr. Co., Vol. Life Bldg., Chattanooga, Tenn., $153,329. Noted Aug. 13.

Miss., Lexington — Holmes Co., grading, grubbing, and graveling 1.204 mi. Federal Aid Project 64A, 2 mi. from Yazoo Co. line to end of project, from J. L. McWilliams & Co., Exchange Bldg., Memphis, Tenn., $26,759.

O., Akron—W. F. Peters, dir. Pub. Serv., Aug. 10, improving 14,924 ft. Delaware Ave., et al, 16,000 lin.ft. stone curbing, 12,950 lin.ft. armored cable, 91,300 sq.ft. 4 in. concrete sidewalks, 38,200 cu.yd. earth excav., and 25,000 sq.yd. (a) asphalt or (b) concrete, from Lombardi & Bowlus, 163 Annadale Ave., (a) $189,338 (b) $177,120, engrs. est. $273,000, 1,940 ft. Spicer St., 1,600 lin.ft. stone curbing, 3,200 sq.ft. 4 in. concrete sidewalks, 400 cu.yd. earth excav., 4,600 sq.yd. sheet asphalt, from T. E. McShaffrey Constr. Co. 173 South Forge St., $55,-501, engrs. est. $92,000. Noted July 20.

Michigan — State Hy. Dept. at office Comrs. Genesee Co., Flint, Aug. 20, grading and concrete paving 18,884 sq.yd. State Trunk Line 10-38, Sect. Co. from Meredith & McVaugh, 202 Horton Ave., Detroit, $52,610.

Michigan — State Hy. Dept., at office. Comrs. Ionia Co., Ionia, Aug. 19, grading and temporary graveling 6.956 mi. State Trunk Line 43-2, from C. Regev, Cloverdale, $60,-670. Noted Aug. 6.

Michigan — State Hy. Dept., at office Comrs. Missaukee Co., Lake City, grading and graveling 5.756 mi. State Trunk Line 74-5, Sect. C and 2.386 mi. State Trunk Line 74-5A, from S. Cable, Falmuth, $31,310 and $15,318 respectively; 2.344 mi. State Trunk Line 74-5, Sect. B, from E. McDonald, Lake City, $27,541. Noted July 30.

Michigan—State Hy. Comn., Lansing, grading and graveling 9.282 mi. State Trunk Line 69-4, Baraga Co., from Fitzpatrick Bros., Calvi & Lamont, Ironwood, $58,597.

Michigan — State Hy. Dept., of office Comrs. Saginaw Co., Midland, Aug. 12, graveling 5.509 mi. Trunk Line 18-11, from H. L. McLean, Saginaw, $75,509. Noted July 23.

Michigan — State Hy. Dept., at office Comrs. Chippewa Co., Saulte Ste Marie, grading and graveling 134,960 sq.yd. Federal Aid Project 189, Sect. A, from Hill & Belknap, East Tawas, $158,475. Noted July 23.

Mich., Pleasant Ridge—Village, July 27, improving Elm Park Ave., 1,670 cu.yd. excav., 5,434 lin.ft. concrete curbing, and 6,536 sq.yd. concrete paving, also Oakland Park Ave. 1,670 cu.yd. excav., 6,417 lin.ft. curbing, and 7,636 sq.yd. concrete paving from R. J. Powelson & Co., 6415 Iroquois Ave., Detroit, $20,660 and $24,249 respectively.

Wis., Milwaukee—Dept. Pub. Wks., from H. J. Glover & Son, Schwartz Bldg., Kenosha, asphalt resurfacing National Ave., $28,531; from F. W. Blodgett, 521 Newton Ave., vibrolithic concrete paving 55th St. between North and Meinacke Aves. $6,773, from Czerwinski Constr. Co., 816 Clinton St., Herman St. $7,659, Ohio Ave. $18,611 and Superior St., $39,788; from Schwerm Bros., 50 Lee St., concrete paving group of alleys, $19,543 and from Bodemann Constr. Co., 691 48th St., 1 alley, $3,733.

Neb., Omaha — From G. Parks Constr. Co., 210 Karbach Bldg., improving Dists. 2325, 1,400 yd. paving with asphalt $2.46 per yd. asphaltic concrete $2.16 or brick $3.10, 1,200 ft. curbing $0.60, 300 cu.yd. grading $0.50, Dist. 2508, 1,433 yd. paving asphalt $2.46, asphaltic concrete $2.15 or brick $3.10, 1,204 ft. curbing $0.60 and 300 cu.yd. grading $0.50, Dist. 2705, 3,414 yd. paving asphalt $2.46, asphaltic concrete $2.16 or brick $3.10, 2,710 ft. curbing $0.60 and 800 cu.yd. grading $0.50, Dist. 2714-K, 3,416 yd. paving asphalt $2.44, asphaltic concrete $2.14 or brick $3.10, 227 ft. curbing $0.60, 800 cu.yd. grading $0.50 and Dist. 2746, 4,580 yd. paving asphalt $2.42, asphaltic concrete $2.12 or brick $3.08; from A. Gulizia, Omaha, improving alley in Dist. 2556, 1,151 yd. art stone paving $1.60, 75 cu.yd. grading $0.50; from L. S. Noble, 1944 South 12th St., alley in Dist. 2700, 1,409 yd. art stone paving $1.61 and 700 cu.yd. grading $0.40, also Dist. 2740, 1172 yd. art stone paving $1.61, 350 cu.yd. grading $0.40; from J. J. Parks, 4 Bankers Saving Bldg., alley in Dist. 2740 paving asphalt $2.68, asphaltic concrete $2.34 or brick $3.25; from J. Sherlock, 1805 Dodge St., Dist. 2746, 3,695 ft. curbing $0.58 and 1,000 cu.yd. grading $0.40.

North Dakota—State Hy. Comn., and City Council, Lidgerwood, Aug. 6, curbing, guttering and concrete paving 14,879 sq.yd. Federal Aid Project 287A, Richland Co., from W. E. Kennedy, 7 Bway., Fargo. $44,665.

Calif., San Diego—Common Council, 1½ in. asphaltic concrete on 4 in. concrete paving 478 sq.ft. Bancroft St., from G. R. Daley, 4430 Boundary St., at $0.219 per sq.ft., total $27,041. Noted July 30.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 4,010 ft. highway in Rockport, to Welch & Moynihan, 15 Front St., Salem, $23,374, 6,264 ft. highway in Orange, to R. H. Newell Co., Uxbridge $57,311, 1,874 ft. highway in Avon, to Powers Bros., 161 Montello St., Brockton, $9,621; concrete and bituminous concrete surfacing 5,425 ft. highway in Arlington, to J. H. Fannon, 28 Hinckley St., Somerville, $71,538. Grand total $161,-844. Noted Aug. 20.

Mass., Boston—Dept. Pub. Wks., recut granite block paving in Eastern Ave., Battery and Bromfield Sts., here, also sheet asphalt paving Chelmsford St. and North Monroe Terrace, in Dorchester, to M. F. Gaddis, 6 Beacon St., $27,074 and $23,900 respectively. Noted Aug. 20.

R. I., Providence—Dept. Pub. Wks., bitulithic paving North Main St., to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $126,165. Noted Aug. 6.

N. Y., Brooklyn — R. K. Fuller, comr. Canals & Water, Albany, paving certain portions of barge canal terminal in Gowanus Bay, here, to F. J. Gallagher, 490 Park Pl., $17,783. Engrs. est. $21,545. Noted July 16.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., to Peace Bros., Inc., 57 North Lawrence St., Flushing, grading and laying sidewalks, etc., in Rockaway Blvd., $78,795, 59th Place, $396, to J. D'Amato, Rockaway Beach, Far Rockaway Blvd., $1,634, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Greenoak St., $12,752, Fremont St. $14,631, sheet asphalt paving, etc., Washington Ave., $16,190, to Welsh Bros. Contg. Co., 32 Queens Sta., Astoria, grading 59th (Holmes Ave.) Queens Blvd., etc., $14,835. Grand total $139,233. Noted Aug. 20.

N. J., Princeton—Mercer Co. (Trenton) sheet asphalt paving 1,970 ft. Witherspoon St., to New Jersey General Constr. Co., Nassau St., $26,314. Noted July 16.

N. J., Wenonah—Gloucester Co. (Woodbury)—Concrete paving 35,250 sq.yd. Wenonah-Mantua Rd., to Freehold Constr. Co., Freehold. $147,757. Noted Aug. 13.

Pa., Carbondale—Vitr. brick paving 22,-000 sq.yd. various streets, to J. Booth, Carbondale, $4.17 per sq.yd.

Pa., Ellwood City — Boro Council, vitr. brick paving 16,000 sq.yd. various streets, to F. Freshwater, Ellwood City. Noted July 16.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to R. B. Wenner, 2313 Walnut St., paving, etc. Horrocks St. between Cottman and Napfle Sts., and Horrocks St. between Borbeck and Griffith Sts. $7,890, Smedley St. $747, to McCarrick Bros., 3138 North 24th St., Thorp Lane $5,599; to F. Marks Constr. Co., 2820 North 21st St. paving Lawndale and Palmetto Sts. $2,764, asphalt paving Dirman St. $10,997, Durard St. $9,509, Walker St. $8,601, 4th St. $7,846; to Curtis Bros., State Rd. and Unrah St., paving Mower and Strahle Sts. $13,637, and Vandike St. $201; improving Bingham, Montour, Palmetto, Reach, Robbins and Weymouth Sts. $32,214, and Mechanicsville Rd. $14,605; to Eastern Asphalt Co., Pennsylvania Bldg., asphalt paving American St. $8,645, Nippon and Wadsworth Sts. $17,996; to Barbers Asphalt Co., 230 North 30th St., Craig St. $5,196, to Union Paving Co., 30th and Locusts Sts., Diamond St. $6,790 Durfor and Fitzgerald Sts. $7,102, Granite St. $6,856, Hegerman St. $6,523, Morris St. $4,496, Sheldon St. $3,940, Wyoming St. $11,042 and 57th St. $11,629; to B. Foster Co., Inc., 20th and Venango Sts. improving Ashwood St., $8,-538; to C. G. Centrone, Jefferson Bldg., redressed granite block repaving Vine St., $1,681; to J. Zecca, 6441 Vine St., paving and repaving certain alleys in 2nd Highway Dist. E-3, $3,830; and to Atlantic Refining Co., $260 South Broad St., furnishing asphaltic cement, $14,775. Grand total $233,739.

Pa., Pittsburgh—Vitr. brick paving 30,-000 sq.yd. 8th Ave., to McCrady Bros., Braddock, $138,750.

Pa., Pittsburgh — Alleghany Co., (e.e. means engrs. est.) reconstructing Narrows Run Rd., Moon Twp., to McLaughlin Contg. Co., Germania, Bldg., $110,924 e.e. $125,000; Washington Rd., Lebanon Twp., to Diulus & Benintend Co., Hargrove St., $43,388 e.e. $45,000; and 8th Ave. through Homestead, West Homestead and Munhall, to McCrady Bors., Braddock, Pa., $138,750 e.e. $150,000. Grand total $293,062.

Maryland — State Roads Comn., Baltimore, concrete paving 1.08 mi. road from Barnesville towards Comus, Contr. M-60, and 2 mi. road from Laytonville towards Woodfield, Contr. M-57, to M. J. Grove Lime Co., Lime Kiln, $39,351 and $58,079 respectively, 1 mi. road along River Rd. from Potomac to Seneca, Contr. M-62, to Croson & Gruman Co., 33rd and K Sts., Wash., D. C., $30,129, 1 mi. road from Laytonville toward Claybille, Contr. M-63, to Loomis-Wetzel, 1125 14th St., Wash., D. C., $27,306, 1 mi. road from Clagettsville toward Kempton, Contr. M-59, H. H. Hershberger, 3723 Reistertown Rd., Baltimore, $25,525; macadam resurfacing 5 mi .road from end Contr. M-52 to Ashton, Contr. M-61, to Thomas, Bennett & Hunter, Westminster $78,472, all above in Montgomery Co.; sheet asphalt paving 0.16 mi. Pennsylvania Ave. from Fulton to Elgin Aves., Contr. BC-58, Baltimore Co., to Amer. Paving & Contg. Co., Montebello Ave., Baltimore, $35,761; concrete paving 1.25 mi. road from end Contr. K-26 to Crosby, Contr. K-29, Kent Co., to Kauffman Constr. Co., Denton $20,227, 0.54 mi. road through Cheapeake City, Contr. CE-49, Cecil Co., to Broad Creek Constr. Co., Elkton, $22,474. Grand total $337,324.

Md., Baltimore—Bd. Awards, improving streets listed in Contr. 295-NA, to J. J. Bresnan, Woodland Ave. $41,450.

Md., Towson—Baltimore Co., concrete paving 0.75 mi. Windsor Mill Rd. to G. Long Constr. Co. 1st Ave. and 12th St., Baltimore, $24,147.

Virginia—State Hy. Comn., Richmond, bituminous macadam surfacing 0.456 mi. approaches to Norfolk & Western R.R. tracks, Project F-118-F, to Boxley, Chisholm & Hall, Roanoke, $21,457, 2.299 mi. Faquier-Clark Co. line Rd., Project F-167-E, to W. H. Clark & Co., Charlottesville, $67,-894; concrete surfacing 2.959 mi. St. Petersburg Rd., Project F-145-E, to Allport Constr. Co., Grace-Amer. Bldg., Richmond, $91,159; grading 1.505 mi. Coeburn-Bruces Siding Rd., Project F-344-C, to W. H. Meadows, Coeburn, $35,868. Noted Aug. 6. Grand total $216,388.

West Virginia—State Hy. Comn., Charleston, to Cass & Otto, Wheeling, concrete surfacing 2 mi. Beech Bottom Rd., 18 ft., Project 3077, Brooke Co. $83,485, to Hatfield Constr. Co., 418½ 10th St., Huntington, 8.3 mi. Melissa-Salt Rock Rd., 16 ft., Project 3155, Cabell Co. $208,825, 18 mi. Charleston-Clendenin Rd., 18 ft., Projects 74, 1128, 3231 and 3206, Kanawha Co. $452,-438, and grading, etc. 5.5 mi. Chapmanville Rd., 18 ft., Project 3288, Logan Co., $99,-485; to R. L. Lipscomb & Co., Bluefield, concrete surfacing 1 mi. Landgraf Rd., 16 ft., Project 2048-B, McDowell Co. $58,308, to A. Shuttle & Co., Fairmont, 1 mi. Main St. of Ridgeley, 18 ft., Project 3309, Mineral Co. $33,130, to Tatgenhorst & Laughlin, East Liverpool, O., 1 mi. River Rd., 18 ft., Project 2067, Ohio Co. $40,366, to C. Spindlers Sons, Kingwood, 2.1 mi. Buckhannon-Clarksburg Rd., 16 ft., Project 3238-C, Upshur Co. $94,431, to Cole Bros. Constr. Co., Morgantown, 5.64 mi. Monon-

Streets and Roads (Continued)

galia Rd., Project 3272, Preston Co. $152,-825; to Connell & Laub, Titusville, Pa., rein.-con. surfacing 23.5 mi. Elizabeth-Spencer Rd., 18 ft., Project 3125, 3069-B, 3067-A and B, Wirt and Roane Counties, $731,362; to P. C. Minotti Constr. Co., Logan, grading, etc. 2 mi. Bulltown-Lewis Co. line Rd., 16 ft., Project 3017-B, Braxton Co. $64,951, to Barboursville Constr. Co., Huntington, 0.5 mi. Toney-Big Creek Rd., Projects 32 and 82-C, Lincoln Co. $7,604, to H. M. Waugh, Bluefield, 1.5 mi. Williamson-Chattaray Rd., 16 ft., Project 3303-A, Mingo Co. $46,062, to R. A. Rosenbaum, East Bank, 0.42 mi. Carden-Zela Rd 16 ft., Project 3047-B, Nicholas Co. $17,769, to Kelley Constr. Co., Clarksburg, 8 mi. Hackers Valley-Cleveland Rd., 16 ft., Project 3279-B, Webster Co., $174,743; to R. B. Tyler Co., 114 South 4th St., Louisville, Ky., oil asphalt surfacing 5 mi. Middlebourne-West Union Rd., 16 ft., Project 3163, Tyler Co. $100,530, to W. H. Armstrong & Co., Fairmont. 5 mi. Northwestern Turnpike, 18 ft., Project 2121, Harrison Co., $67,879; to Dewar & Gough, Fayetteville, bituminous macadam surfacing 4 mi. Clifftop-Danese Rd., 16 ft., Fayette Co., $78,016; to Waugh & Derrick, Bluefield, grading, and gravel surfacing 2.2 mi. Ethel-Hetzel Rd., 18 ft., Project 3264, Logan Co., $54,528; to H. W. Kaylor, Romney, oil finished macadam surfacing 4 mi. Berkley Springs-Martinsburg Rd., 16 ft., Project 3030-C, Morgan Co., $126,289; to H. L. Seabright & Co., 70 43rd St., Wheeling, brick surfacing 2 mi. East Side Fulton Hill Rd., Project 2063, Ohio Co., $57,658; to Janutolo & Co., Fayetteville, limestone and Bermudez asphalt on hand knapped stone surfacing 6.2 mi. Shady Springs-Summers Co. line Rd., 16 ft., Project 142-A, Raleigh Co., $151,712; to Curtis & Rector, Ravenswood, tar macadam surfacing 11 mi. Spencer-Walton-Clendenen Rd., 18 ft., Project 3168-B, Roane Co., $399,479; to Elkins Constr. Co., Elkins, limestone and oil asphalt on hand knapped stone surfacing 5 mi. Hinton-Jumping Branch Rd., 16 ft., Project 142-B, Summers Co., $116,187; to Rosenbaum Bros., Pocahontas, oil bound macadam surfacing 3.7 mi. Elmore-Pineville Rd., 16 ft., Wyoming Co., $110,322. Grand total $3,530,384. Noted July 16 and 24.

W. Va., Fayetteville—Fayette Co., grading and bituminous macadam paving 4 mi. Sewell Mountain Dist. Roads, to DeWar & Gaugh, Fayetteville, $78,016. Noted April 30.

N. C., Clinton—Sampson Co., asphalt paving 4 mi. North Carolina Project 271, to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala., $42,240.

Florida—State Rd. Dept., Tallahassee, grading, etc. 71,250 cu.yd. road between Sta. 285 and 825, Project 669B, Dade Co., to M. C. Winterburn, Inc., Jacksonville, $299,652. Noted Aug. 20.

Fla., Tampa—City, 2 in. Filbertine on 6 in. limerock paving portion of St. Louis St., to Union Paving Co., Tribune Bldg., $26,138.

Kentucky—State Hy. Dept., Frankfort, **(S.A.P. means State Aid Project, and F. A.P. means Federal Aid Project)**, grading 4 mi. Owensboro-Beech Grove Rd., S.A.P., 76-A, to G. W. Robinson, Owensboro, $31,974, 6.5 mi. Owensboro-Livermore Rd., S.A.P. 77-A, and 2.9 mi. Livermore-Central City Rd., S.A.P. 77-B, to Davies Co. Constr. Co., Owensboro, $44,414 and $12,758 respectively, all above roads 24 and 28 ft., McLean Co.; 0.7 mi. Compton-Lexington Rd., F.A.P. 141-A, Kenton Co., to Mills & Connelly, Independence, $25,372. Grand total $114,518. Noted June 18.

Ohio—Dept. Highways & Pub. Wks., Columbus, asphaltic macadam paving 0.98 mi. Sect. D, Barnesville-Bellaire Rd., Belmont Co., to Seaborn Bros., Hubbard $27,650, 3.257 mi. Sect. B, Swanton-Metamora Rd., Fulton Co., to C. M. Gray, Waterville, $75,741; water-bound macadam paving 2.39 mi. Sect. G-I, Defiance-Delphos Rd., Defiance Co., to Baluser & Schultze, Paulding $26,873, 2.804 mi. Sect. L, Upper Sandusky-Bellevue Rd., Wyandot Co., to G. R. Stinchcomb, Columbus, $40,372; concrete paving 4.328 mi. Sect. I, Cambridge-New Comerstown Rd., Tuscarawas Co., to W. M. Brode Co., New Comerstown $178,147, 2.987 mi. Sect. A, Stone Creek-New Comerstown Rd., Tuscarawas Co., to Holmes Constr. Co., Wooster, $119,447; rein.-con. paving 2.21 mi. Sect. "Marblehead," Port Clinton-Marblehead Rd., Ottawa Co., to Modern Constr. Co., Fremont, $63,244; sandstone paving Sects. N, O and P, Pomeroy-Marietta Rd., Meigs Co., to W. J. Hayes, Albany, $41,100; delivering gravel, Sects. B, C and D, Ironton-Gallipolis Rd., Gallia Co., to Huntington Transfer Co., Huntington, W. Va., $14,500, 4.43 mi. Sects. I and J, Columbus-Millersburg Rd., Holmes Co., to Markley, Kleinknecht & Gorsuch, Coshocton, $7,560, 7.9 mi. Sects. B and C, Newark-Coshocton Rd. Muskingum Co., to Cole Bros., Van Lere, $19,600. Grand total $614,234.

Ohio — Dept. Highways & Pub. Wks., Columbus, to Gibson & Bigsbee, Kensington, grading 219 mi. Sect. A Cadiz-Carrollton Rd., Carroll Co., $22,987, to Lewis & Copeland, Lima, concrete paving 0.551 mi. Sect. B-I Mt. Vernon-Coshocton Rd., Coshocton Co. $27,754, 1.783 mi. Sect. B-4 same road $46,495, 1.061 mi. Sect. B-2 same road $32,796; to Merkle Bros., Mansfield, rein.-con. paving 4.898 mi. Sect. E and Columbus-Newark Rd., Licking Co., $136,031. Grand total $286,023. Noted July 23.

O., Akron—W. F. Peters, Dir. Pub. Serv., **(e.e. means engrs. est.)** improving Shaw Ave., et al, 2,680 lin.ft., concrete gutters, 95,000 sq.ft. 4 in. concrete sidewalks, 17,300 cu.yd. earth excav., 4,600 cu.yd. cinders, to M. Kalain, 573 Wilson St., $37,141 e.e. $48,300; Gridley Ave., 2,380 sq.yd. vitr. brick, 1,420 lin.ft. stone curbing, 3,500 sq.ft. 4 in. concrete sidewalks, 1,300 cu.yd. earth excav., etc., to Hollinger & Davidson, 435 South Bway., $14,981 e.e. $18,000; installing boulevard street lighting system on Elmdale Ave., et al., 50,650 lin.ft. armored cable, 3,400 lin.ft. conduit, etc., to Collier Constr. Co., 71 Euclid Bldg., Cleveland, $37,804 e.e. $43,000. Grand total $89,926. Noted Aug. 20.

O., Cincinnati—Director Pub. Serv., bituminous macadam paving, etc. 20,000 sq.yd. Ludlow Ave., to Scully-Brehm Co., Atlas Bank Bldg., $206,081, engrs. est. $246,789; and granite block paving, etc. 14,000 sq.yd. Public Landing, to Cino Constr. Co., 221 West 9th St., $73,132, engrs. est. $75,000. Noted Aug. 20.

O., Cleveland—Improving East 146th St., 15,830 sq.yd. sheet asphalt 7,890 lin.ft. stone curbing, 8,330 lin.ft. 4 in. drain tile guttering and 7,330 cu.yd. earth excav., also improving Ferris Ave., to Highway Constr. Co., West 112th St. and Madison Ave., $85,-565 and $23,265 respectively; Cedar Ave., 22,530 sq.yd. sheet asphalt, 15,200 lin.ft. stone curbing, 14,125 lin.ft. 4 in. drain tile guttering, 9,200 cu.yd. earth excav., to Rieley Bros., The Arcade, $170,997; Carlos Ave., 4,700 sq.yd. sheet asphalt, 3,130 lin.ft. stone curbing, 3,200 lin.ft. 4 in. drain tile guttering, 2,050 cu.yd. earth excav., and Gasper Rd., to W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R., $25,-821 and $10,509 respectively; Ivanhoe Rd., Ingleside, Brackland, Colonial, Daniel, Grovewood and Glenco Aves., 2,000 sq.yd. vitr. brick, 15,570 sq.yd. asphaltic concrete, 11,933 lin.ft. stone curbing, 12,356 lin.ft. 4 in. drain tile guttering, 9,550 cu.yd. earth excav., to Gould & Maybach, 16311 Saranec Rd., $116,390; improving Bancroft Ave., to Garland Bros., 5806 Franklin Ave. $55,326; Clermont Ave., to H. G. Herring, Wayside Rd. $36,054, Forman and Indiana Aves., to Enterprise Paving & Constr. Co., 8444 Bway., $10,164 and $16,500 respectively. Grand total $964,764. Noted July 23.

O., Cleveland — Cuyahoga Co., concrete paving 25,660 sq.yd. Wallings Rd., to Ohio Contg. Co., Hunkin-Conkey Bldg., $109,995.

O., Garfield Heights (Cleveland P. O.)—To Baldwin Bros., 4500 Euclid Ave., Cleveland, vitr. brick paving East 86th St. $44,755, East 88th St. $38,333, East 90th St. $45,093, and East 93rd St. $27,387. Grand total $155,568.

Michigan—State Hy. Dept., Lansing, to G. P. Scharl, Muskegon, grading and concrete paving 3.962 mi. Federal Aid Project 113 Sect. E2 approximately $118,860, 3.376 mi. Federal Aid Project 113, Sect. E1 $101,-280, 1.124 mi. State Trunk Line 16-28, Sect. A approximately $33,720, all Ionia Co., to M. J. Bacco, Iron Mountain, 0.663 mi. State Trunk Line 69-3A1 $22,418, 1.043 mi. State Trunk Line 12-15 B and 12-42, Sect. C $34,206, both in Iron Co., to J. R. Edelman, Muskegon, 1.015 mi. State Trunk Line 54-15, Sect. B. Muskegon Co. $34,389, to Whitlon & Hobeck, Muskegon, 2.634 mi. State Trunk Rd. 54-16, Newaygo Co. $69,714, to J. W. Baker, Port Huron, 1.63 mi. State Trunk Line 19-24, Sects A and C, St. Clair Co. $90,255; to Montcalm Co. Rd. Comn., Stanton, grading and graveling 5.71 mi. State Trunk Line 43-11 A and B $47,878, 5.375 mi. State Trunk Line 43-5, Sects. B and C $51,376. Grand total $604,-096. Noted July 30, Aug. 6 and 20.

Michigan — State Hy. Dept., at office Comrs. Ingham Co., Mason, curbing, guttering and concrete paving 0.341 mi. Federal Aid 100, Sect. C, to A. M. Bartling, Alma, $24,901. Noted Aug. 20.

Mich., Springwells — To United Road Constr. Co., Union Trust Bldg., Detroit, improving Horger Ave., 10,002 sq.yd. concrete paving at $2.37 per sq.yd., 5,799 lin.ft. concrete curbing $0.68, 5.450 cu.yd. excav. $0.65, total $35,415, Neckel Ave., 8,935 sq.yd. concrete paving 5,349 lin.ft. concrete curbing 4,235 cu.yd. excav $32,832, Calhoun Ave., 8,846 sq.yd. concrete paving 5,545 lin.ft. concrete curbing, 4,360 cu.yd. excav. $32,432, Orchard Ave., 6,806 sq.yd. concrete paving 3,855 lin.ft. concrete curbing, 2,790 cu.yd. excav., $22,291, Hartwell Ave., 6,506 sq.yd. concrete paving 3,937 lin.ft. concrete curbing, $23,354. Grand total $146,324. Noted Aug. 7.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 16, Sect. 24, Montgomery Co., to W. C. Johnson, Belleville $15,095, Route 23, Sect. 30 DeKalb Co., to Henkel Constr. Co., Mason City, Ia. $145,425, Route 8, Sect. 46, Knox Co., to Central Eng. Co., Putnam Bldg., Davenport, Ia., $106,168; grading Route 1, Sect. 43-A, Saline Co., to McMann & Huffman, Murphysboro $18,941, Route 8, Sect. 42-A, Knox Co., to Wiseley & Son, Sheffield $30,384, and Route 8, Sect. 50-A, Tazewell Co., to E. W. Rocho, Freeport, $47,206. Grand total $362,219. Noted Apr. 2, June 18 and Aug. 6.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 30, Sect. 6, Stark Co., to H. A. Reschke Constr. Co., Geneseo $13,090, Route 1, Sect. 7-X, Edwards Co., to R. A. Baum, Peoria, $10,258, Route 3, Sect. 1, Morgan Co., to J. H. Hutchison Co., Casey $116,681, Route 8, Sect. 40, Knox Co., to Central Eng. Co., Putnam Bldg., Davenport, Ia. $18,811, Route 4, Sect. 430, Du Page and Cook Counties, to R. F. Conway Co., 844 Rush St., Chicago $292,382, Route 3, Sect. 2, Cass and Morgan Counties, to Divine Constr. Co., Papineau $99,619, Route 18, Sect. 15-X, De Kalb Co., to Trompeter & Sons, Peru $4,434, Route 31, Sect. 6, Lake Co., to Darrow & Barron, Waukegan, $7,163; Route 36, Sect. 2, Hancock Co., and grading Route 9, Sect. 30-A, Hancock Co., to Cameron, Joyce & Co., Keokuk, Ia., $102,846 and $16,131 respectively; grading Route 12, Sect. 1-A, Lawrence Co., to W. T. Bland, Effingham, $16,642, Route 8, Sect. 45-A, Knox Co., to Wiseley & Son, Sheffield, $18,279, Route 31, Sect. 18-A, Fulton Co., to E. P. Olson, 2901 Monterey St., St. Joseph, Mo., $92,883, and Route 13, Sect. 12-D, Jackson Co., to Hamilton-Hoffman Constr. Co., Carbondale, $12,-663. Grand total $821,882. Noted Apr. 2, May 28 and June 18.

Wisconsin—State Hy. Comn., at Office 1, Capitol Annex, Madison, grading and gravel surfacing, etc. 10,680 cu.yd., Portage-Waupun Rd., Federal Aid Project 419-A, Columbia Co., to Balmet & Son, Clear Lake, Ia., $35,443. Noted Aug. 13.

Wisconsin — State Hy. Dept., Madison, improving Black River Falls-Augusta-Eau Claire Rd., Federal Aid Project 395-A, Jackson Co., 37,601 cu.yd. earth and 1,650 cu.yd. solid rock excav., 22,947 cu.yd. borrow, etc., to P. J. Hoffman, Black River Falls, $51,516; and constructing Merrillan Bridge on above road, to Wausau Iron Wks., Wausau, $18,303.

Wis., Milwaukee—Dept. Pub. Wks., to J. C. Bluhm & Son, 1299 Achilles Pl., vibrolithic concrete paving Atkinson Ave. and 10th St. $48,245, Vliet St. $17,556, and concrete paving 1 alley $2,393; to A. E. Retzlaff, 868 Island Ave., vibrolithic concrete paving Fond du Lac Ave., $8,153; to Bodemann Constr. Co., 691 48th St., concrete paving 2 alleys $4,551, to Schwerm Bros., 50 Lee St., 1 alley $2,687, to Ryback & Sadowski, 1092 2nd Ave., 1 alley $3,344. Grand total $86,929. Noted Aug. 20.

Wis., Milwaukee—Dept. Pub. Wks., asphalt resurfacing Farwell and Newport Aves., to Badger Constr. Co., 97 Wisconsin St., $23,658 and $10,588 respectively; also 27th St., to White Constr. Co., 68 Wisconsin St., $10,061. Grand total $44,307. Noted Aug. 13.

Wis., Milwaukee—Dept. Pub. Wks., concrete paving, etc. Hawley Rd., etc., to N. Harris, 417 Juneau Pl., $3,253, 3 alleys, to C. H. Slattery, 584 71st Ave., $12,284, 1 alley each, to Bodemann Constr. Co., 691 48th St., $1,853, to Parkinson Constr. Co., 322 27th St. $1,664, to Ryback & Sadowski, 1092 2d Ave., $1,593, to J. Bluhm & Son, 1298 Achilles Pl., $436; 7 in. vibrolithic concrete paving 27th Ave. between Burnham St. and Lincoln Ave., to R. H. Gumz, 831 13th Ave., $21,850 and Pabst Ave. between 28th and Western Aves., to Kroening Constr. Co., 39th Ave., and Mitchell St., $9,741. Grand total $53,-674. Noted Aug. 20.

Wis., Rhinelander — A. Moe, city clk., sheet asphalt paving 21,000 sq.yd. various streets, to Bridge & Constr. Co., Wabash, Ind.

Ia., Boone—Boone Co., grading 12.194 mi. road through Boxholm, to W. Dutton, Boone $28,132, road north of Boxholm, to M. Munson, Boone, $4,275; 6 and 10 in. tile, to E. H. Hoglum, Ogden, $920; 15 concrete box culverts and extensions, to B. Cole, Ames, $3,900. Noted June 4.

Streets and Roads (Continued)

Ia., Vinton—Benton Co., improving 10.17 mi. Federal Aid Project 233, 118,346 cu.yd. excav., 147,400 yds. station overhaul and 240 ft. 15 in. and 180 ft. 18 in. culvert pipe, to Shirley Constr. Co., Omaha, Neb.; 2,500 ft. 6 in. tile drain, to A. Thompson, Vinton, at $0.12 per ft.; 37 culverts and 1 deck girder bridge, to Vinton Eng. & Constr. Co., Vinton, $14,169.

Minn., Moorhead—R. G. Price, city clk., concrete paving 6.5 blocks 1st Ave. W. and 10th St., to W. E. Kennedy, 7 Bway., Fargo, N. D. $33,000. Noted June 25.

Kan., Hutchinson — City, 2 in. asphaltic concrete surfacing 10th Ave. from East Main to Plum Sts., to J. H. Shears & Sons, 32 Hoke Bldg., $25,825; curbing and guttering above street and asphaltic concrete surfacing alley east of Main St. from 16th to 17th Sts., to J. L. Rayl Constr. Co., 128 West 13th Ave., $2,163 and $1,015 respectively. Grand total $29,030.

Kan., Wichita—City, 6 in. concrete surfacing 11,335 sq.yds. Ellis, English, Elm, Handley, Kansas and Oak Sts., to Globe Constr. Co., 1069 North Water St.; sheet asphalt surfacing 3,039 sq.yd. Exposition and 19th Sts. and asphaltic concrete surfacing 23,217 sq.yd. Lincoln, Park and 12th Sts., to H. T. Ritchie, Box 831.

Mo., Clinton — Grading, curbing and vibrated concrete paving, etc. 8 blocks East Green and East Grand Sts., 24 ft., to Reed & Wheelock, Clay Center, Kan. Noted Aug. 20.

Mo., Joplin—Grading, curbing, one course concrete paving, etc. 16,000 sq.yd. 7th St., 24 ft., to Dubois & Co., Pittsburg, Kan., at $1.75 per sq.yd.

Mo., St. Louis—Dept. Pub. Wks., 208 City Hall, concrete paving alleys in City Blocks 1266, 2906, 2928, 2968 and 3070, to Eyermann Constr. Co., 1216 South Grand Ave., $11,382; in City Blocks 4391B, 5011, 5012E, 5012W and 5571, to Skrainka Constr. Co., Security Bldg., $15,418; and alleys in City Blocks 5280, 5218, 5558, 5561 and 5292, to Perkinson Bros. Constr. Co., 3237 Carter St., $15,533; concrete sidewalks on various streets, to T. E. Cavanagh, 6424 Oakland Ave., $10,309, and F. A. Stiers, 4500 Enright Ave., $2,871. Grand total $55,513. Noted July 23.

Mo., Sedalia—City, gravel surfacing 2.75 mi. Quisenberry Rd., to J. M. Mawhorter, Sedalia, at $0.95 per yd.; 1 mi. East 16th St., to Bertan & Menefee, Sedalia, at $1.24; and 1.5 mi. State Fair Blvd., to Dejarnett & Schrader, Sedalia, at $1.25 per sq.yd.

Mo., Webb City—Concrete paving Bway., Main and Jefferson Sts., to Dubois Constr. Co., Pittsburg, Kan., $33,039; and amiesite paving Daugherty, 2nd, Liberty and Webb Sts., also Madison St., to Independent Gravel Co., Spiva Bldg., Joplin, $21,018 and $13,877 respectively. Grand total $67,934.

Arkansas—State Hy. Dept., Little Rock, grading, gravel surfacing, etc. 14,529 cu.yd. Federal Aid Project 205-A, Greene Co., to Tolbert Bros., Gladden, Mo., $64,807; and 93,475 cu.yd. Federal Aid Project 225-A, Union Co., to Tarrant & Miles, Eldorado, $88,814. Noted July 23.

Tex., Alpine — State Hy. Dept., Austin, will pave with asphalt 17 mi. road out of Alpine toward Marathon, $150,000; also 2 mi. Alpine-Marfa Rd., $35,000, both 18 ft., in Brewster Co., by day labor. Address H. P. Henning, Highway Div. 6, Alpine, engr.

Tex., Brownsville—Cameron Co. concrete paving 6,000 ft. San Benito & Rio Hondo Rd., 18 ft., to Dodds & Wedegartner, San Benito, approximately $30,000.

Tex., Cleburne — Johnson Co., 1 in. inverted penetration bituminous surfacing 158,467 sq.yd. State Highway 2, Federal Aid Project 20-B, and 115,866 sq.yd. State Highway 2-E Federal Aid Project 330 to Fuller Constr. Co., Western Indemnity Bldg., Dallas, $76,233 and $60,198 respectively. Engrs. est. $95,000 and $70,000 respectively. Noted Aug. 6.

Tex., Henrietta — Clay Co., clearing, grubbing, grading roadway and constructing bridges and concrete structures over 20 ft. span on State Highway 50, Federal Aid Project 449-B, to Tibbetts Constr. Co., Joseph Bldg., Fort Worth, $52,874. Engrs. est. $61,057.

Tex., Houston—Surfacing 10,000 yd. Calumet Dr. from Chenevert St. to Riverside Terrace, to Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $27,000. Engrs. est. $30,000. Noted Aug. 6.

Tex., Panhandle — C. E. Deahl, mayor, grading, curbing and 3 in. vitr. brick on 5 in. concrete surfacing 15,000 yd. various streets, to Panhandle Constr. Co., Lubbock, $45,652.

Tex., Port Arthur—J. P. Logan, mayor, permanent paving 11 blocks Concord Rd., Spruce, Gulf and Live Oak Sts., to Uvalde Rock Asphalt Co., Frost Natl. Bank Bldg., San Antonio, approximately $70,000.

Oklahoma — State Hy. Dept. Oklahoma City, grading, curbing and concrete surfacing 31,745 sq.yd. Shawnee-Tecumseh Rd., Pottawatomie Co., to Dougherty, Nichols, Wiggins Co., Manhattan Bldg., Muskogee, $19,780, engrs. est. $90,000; concrete surfacing 64,841 sq.yd. Blackwell-Tonkawa Rd., Kay Co., to T. E. Hansen, Newkirk, $140,000, engrs. est. $175,000. Noted Aug. 6.

Okla., Chickasha—Grading, curbing and asphalt on concrete surfacing various streets in Dists. 32 and 33, to I. E. Hanson, Newkirk, $48,869 and $98,885 respectively. Noted July 9.

Colo., Denver — Dept. Impvts. & Parks, (e. e means engrs. est.) asphalt paving 12 blocks South Capitol Hill Paving Dist. 4, to Allied Contractors, 411 Majestic Bldg., $39,984, e. e. $40,000; Dist. 8 and Capitol Hill Paving Dist. 31, to New Mexico Constr. Co., 4080 Galapago St., $35,408 and $36,861 respectively, e. e. $40,000 each; South Capitol Hill Paving Dist. 9, to Levy Constr. Co., 630 Symes Bldg., $34,738, e. e. $40,000; Dist. 10, to Western Paving Constr. Co., 5230 Washington St., $66,439, e. e. $68,000. Grand total $213,430. Noted Aug. 6.

Idaho—Commissioner Pub. Wks., at office P. B. Wilson, dist. engr., Pocatello, grading gravel surfacing, etc. 1,020 cu.yd. Grace-Preston Highway, State Project 93, and 5,115 cu.yd. Grace-Preston Highway, State Aid Project 94, both in Bannock Co., to P. A. Cutler, Pocatello, $4,350 and $13,148 respectively.

Nevada—State Hy. Dept., Carson City, grading, etc. 2.54 mi. Sparks-Vista Rd., Federal Aid Project 65-B, Washoe Co., to Tieslau Bros., Berkeley, Calif., $43,374. Noted July 16.

Wash., Everett—City Council paving, etc. Pacific Ave., between Bway. and Pine St., to Miley & Fox, Everett, $58,750. Engrs. est. $60,000. Noted Aug. 13.

Wash., Mt. Vernon—Comrs. Skagit Co., clearing, paving, etc., 1.5 mi. La Conner Rd., 18 ft. to Blackmore Transfer Co., Mt. Vernon, $53,550.

Oregon—State Hy. Dept., Salem, grading 12.56 mi. Santram Highway, Linn Co., to Keffert & Bartlett, Portland, $97,030; 23.2 mi. Unit 3, Burnett Hill Sect. Roosevelt Highway, Curry Co., to J. W. Sweeney, 155 Kingston St., Portland, $224,310, Unit 2, to Englehart Paving & Constr. Co., Eureka, Calif., $105,915, Units 1 and 4, to Barnes & Barnes, Dayton, $289,211 and $302,168 respectively. Grand total $1,038,634.

Ore., Shorewood — C. C. Durkee, engr., Spalding Bldg., Portland, concrete paving etc. 25 blocks various streets, here, to Andrews Constr. Co., Bway. Bldg., Portland, for City. $28,798.

California—State Hy. Comn., Sacramento, 4 mi. concrete and 5.8 mi. asphaltic macadam paving road between Newport Beach and Laguna Beach, Orange Co., to Kavanaugh & Twohy, Los Angeles, $195,165; gravel and stone surfacing 6.9 mi. road between Holtville and East High Line Canal, Imperial Co., to N. B. Conway, Yuma, Ariz. $97,250; concrete paving 1.9 mi. road between Philadelphia St. and Michigan Ave., Whittier, Los Angeles Co., to J. P. Benson, 943 Windsor St., Los Angeles, $82,832. Grand total $375,247. Noted July 23 and Aug. 30.

Calif., San Diego — Common Council, grading, curbing, sidewalks, and asphaltic concrete paving 57,009 sq.ft. Moore St., to G. R. Daley, 4430 Boundary St., $48,438. Noted Aug. 20.

Calif., San Diego—Common Council, 1½ in., asphaltic concrete on 4 in. concrete paving 123,478 ft. Bancroft St., to G. R. Daley, 4430 Boundary St., $27,042. Noted July 30.

Ontario—Dept. Pub. Wks., Parliament Bldgs., Toronto, installing field tile from 2 mi. west of Warwick, west, Contr. 1263 and from Shedden westerly, Contr. 1264 to Ontario Farmers Drainage Co., Dundas St., London, $15,000 and $70,000 respectively, 6 mi. Romney Twp., Wheatley E. Contr. 1265, to A. E. Jupp Constr. Co., 170 Berkeley St., Toronto $15,000, 3 mi. Talbot Rd., Orford Twp., Contr. 1266, to H. Hallett & Sons, Camber $9,000, 5 mi. Longwoods Rd., Rochester and West Tilbury Twp., Contr. 1267, to W. L. Macolm, Kingston, $15,000; 3 concrete culverts at Carp, Contr. 1262, to Ontario Bridge Co., Crown Office Bldg., Toronto, $10,000. Grand total $129,000.

Ont., Chippawa—Sheet asphalt on concrete paving Cummings Sq., Main and Bridgewater Sts., to Brennan Constr. Co., 160 Melrose Ave., Hamilton. Engrs. est. $75,000.

Ont., Timmons—Grading, curbing, guttering and asphaltic concrete on concrete paving approximately 9,500 sq.yd. various streets, to Warren Bituminous Paving Co., 54 University Ave., Toronto, $40,000. Noted July 22.

Ont., Windsor—Cement paving Janette Ave. and Brant St., to S. P. West, Sandwich. Engrs. est. $35,000. Noted Aug. 6.

B. C., Vancouver — Warrenite bitulithic resurfacing 15,000 sq.yd. Hastings, Alexander, Beatty and Water Sts., to Columbia Bitulithic Co., 402 Pender St. W., $45,629. Engrs. est. $50,000.

Buildings—Industrial

PROPOSED WORK

Mass., Cambridge (Boston P. O.) — CANDY FACTORY — Daggett Chocolate Co., 35 Lewis Wharf, Boston, having preliminary plans prepared 2 story, brick and steel, Main St., here. $45,000. Private plans.

N. J., Newark—WAREHOUSES, MILLS, ETC.—Sears, Roebuck Co., Arthington and Homan Sts., Chicago, Ill., plans 5 story, 108 x 200 ft. brick warehouse, 40 x 160 x 400 ft., and 18 x 120 x 400 ft. lumber sheds, 100 x 200 ft. planing mill, 12 ft. high, 120 x 350 ft. shop and mill work factory, 120 x 480 ft. ready cut factory, 120 x 350 ft. portable house factory, 12 ft. high, also about 2 mi. railroad track and 2 mi. concrete paving, here. $1,500,000. F. H. Cline, mgr. Lumber Dept.

Pa., Aspinwall (Pittsburgh P. O.)—SHOP—J. F. Casey Co., making plans 1 story, 72 x 100 ft., steel and timber shop addition. Private plans. Work will probably be done by day labor.

Pa., Johnstown—WAREHOUSE—Swope Bros., Locust and Feeder Sts., having plans prepared by S. Richards, Metropolitan Bldg., Akron, O., 4 story and basement, 39 x 130 ft., brick and steel, Main St. $100,000.

Pa., New Brighton—CHEMICAL FACTORY—Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, having preliminary plans prepared by B. H. Prack, Martin Bldg., Pittsburgh, 5 story and basement, 30 x 50 ft., rein.-con. addition, Beaver Co., here. $50,000.

Md., Baltimore — PLANT — Flynn & Emrich Co., 305 North Holliday St., having plans prepared 1 story, 100 x 260 ft., rein.-con. and brick, plain foundation, 25th St. between Caton and Garrett Aves. $125,000. W. S. Austin, Maryland Trust Bldg., engr. Noted June 25.

N. C., Raleigh—ELECTRIC CAR BARN, SHOP, etc.—Carolina Power & Light Co., P. A. Tillery, gen. mgr. North West St., plans 1 story, electric car barn, shop and garage, brick. $86,000.

Fla., Jacksonville—FOUNDRY and MACHINE SHOP—C. L. Caops Co., 1224 East Adams St., plans foundry and machine shop, 8th St., in Glen Myra subdivision.

Ala., Birmingham—SHOPS—Amer. Cast Iron Pipe Co., Acipco St., having plans prepared additions to shops, making daily output 500 tons pipe. $400,000.

Tenn., Chattanooga—FOUNDRY, etc.—Crane Enamelware Co., 1316 Chestnut St., plans foundry and grinding building. $200,000.

Tenn., Lenoir City—STEEL SHOP—Lenoir Car Wks. Co. plans rebuilding steel shops, recently destroyed by fire. Loss $500,000. Z. B. Wilson, mgr.

O., Akron—FACTORY—General Tire & Rubber Co., East Akron, plans 3 story and basement, 60 x 160 ft. addition. $200,000-$250,000.

O., Akron—RUBBER FACTORY—Goodyear Tire & Rubber Co., East Market St., plans 5 story and basement, rein.-con. and brick addition, Kelly Ave. $750,000.

O., Ashland—PLANT—F. Myers & Bro. Co., P. A. Myers, pres., having plans prepared by Lockwood, Greene & Co., Hanna Bldg., Cleveland, 5 story, 70 x 180 ft., brick, steel and concrete plant. $300,000.

O., Cleveland—SHOP—J. J. Klein, c/o Lehman-Schmitt Co., archts., Hunkin-Conkey Bldg., had plans prepared 1 story, 63 x 99 ft., brick and steel, East 46th St. and Carnegie Ave. $40,000. Great Lakes Motor Co., East 46th St. and Carnegie Ave., lessee.

O., Cleveland—STORAGE MACHINE SHOP—Grabler Mfg. Co., W. S. Bayer, secy., 6565 Bway., had plans prepared by Christian, Schwarzenberg & Gaeda, 1900 Euclid Bldg., 6 story, 60 x 220 ft., brick, steel and concrete, Bway. $300,000.

O., Columbus—SALES and SERVICE STATION—F. H. Lawwell Co., 1170 Mt. Vernon Ave., having plans prepared and

Buildings—Industrial (Continued)

soon takes bids 2 story, 66 x 144 ft., brick, concrete and steel, St. Clair and Mt. Vernon Aves. $65,000. Private plans.

O., Youngstown — STORAGE — Youngstown Ice & Fuel Co., 27 East Rayen Ave., plans large storage addition to crystal ice plant. $100,000.

Ind., Indianapolis — FOUNDRY, etc. — Symons Bros. Co., having plans prepared 1 story, 150 x 860 ft. milling plant and 60 x 100 ft. foundry, brick and steel. Lamboy Co., 3005 Plankinton Bldg., Milwaukee, Wis., engr.

Wis., Two Rivers—GAS PLANT—Wisconsin Pub. Serv. Co., 559 Marshall St., Milwaukee, plans 2 story gas plant, here.

Neb., Spencer — POWER PLANT — See "Dams."

Mo., Kansas City—FACTORY—Shephard & Wiser, archts., R. A. Long Bldg., preparing revised plans and soon takes bids 4 story and basement, 70 x 245 ft., rein.-con., plain foundation, 26th and Pennsylvania Sts., for Carnie-Goudie Mfg. Co., 22nd St. and Grand Ave. Noted July 2.

Mo., Kansas City — FLOUR MILL — Washburn-Crosby Milling Co., Chamber of Commerce Bldg., Minneapolis Minn., plans 6,000 bbl. capacity mill, Chestnut and Guinotte Aves. Engineer and architect not selected.

Mo., St. Joseph—SUB-STATION — St. Joseph Ry., Light, Heat & Power Co., 6th and Francis Sts., plans sub-station, here, $150,000, J. Barfield, St. Joseph, engr.

Mo., St. Louis—SHOE POLISH FACTORY—Barton Mfg. Co., 311 South 13th St., Waco, Texas, purchased 172 x 229 ft. site and plans 2 story and basement, rein.-con. factory, Brown and Kingshighway Sts., here. $100,000.

Ark., North Little Rock—ICE PLANT—Standard Ice Co. plans 50 ton ice plant.

Ark., Stuttgart—ICE PLANT—Arkansas Light & Power Co., Pine Bluff, plans enlarging ice plant, here. $50,000.

Texas—FACTORY—See "Unclassified."

Tex., Gonzales—POWER PLANT, etc.—Middle West Utilities Co., J. B. Martin, mgr., Frost Bldg., San Antonio, making plans 40 x 60 ft., rein.-con. and brick power plant addition and rein.-con. dam, three 500 hp. wheels, etc., $35,000 or more; also 30 ton ice and filter plant. $45,000. M. J. Mozart, Frost Bldg., San Antonio, engr.

Tex., New Braunfels — ELECTRIC PLANT—Comal Power Co., c/o San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio, plans new power plant, here. $3,000,000. Private plans.

Tex., San Antonio — PLANT — Foulds Milling Co., 525 5th Ave., purchased plant of Lion Brand Produced Co., South Flores St., here, and plans enlarging same. $100,000. Private plans.

Tex., Victoria—STEAM GENERATING PLANT—Middle West Utilities Co., Frost Bldg., San Antonio, plans converting electric light plant into steam generating unit of the company's Guadalupe Valley properties. $400,000. C. A. Medberry, c/o owner, engr.

Okla., Tulsa — MACHINE PLANT — Blackgold Machine & Mfg. Co., Box 824, R. F. D., Foster, plans 4 plant buildings.

Okla., Tulsa—BLEACHING and DYEING PLANT—Sand Springs Cotton Mills, Sand Springs plans bleaching plant and raw fibre dyeing plant, here. $350,000 and $75,000 respectively.

Alta., Calgary—FLOUR MILL—Spillers Canadian Milling Co., Ltd., soon takes bids flour mill. $800,000.

BIDS DESIRED

Mass., Boston — MANUFACTURING — Salada Tea Co., 155 Berkley St., taking bids 9 story and basement, 100 x 170 ft., brick and steel manufacturing building and office addition, Berkley St. Densmore, LeClair & Robbins, Park Sq. Bldg., archts.

Mass., Cambridge (Boston P. O.) — FACTORY — New England Confectionery Co., 253 Summer St., Boston, taking bids 6 story 450,000 sq.ft. floor space, rein.-con., brick and steel, plain foundation, Massachusetts Ave. and Landsdown St. $1,000,000. Lockwood, Greene & Co., 24 Federal St., Boston, archts.

Mass., West Boylston—FACTORY—See "Contracts Awarded."

Mass., West Newton (Ind. br. Boston)—REPAIR and SERVICE GARAGE — J. Rooney, 515 Waltham St., taking bids 2 story, 50 x 50 ft., concrete block repair and service garage. $40,000. Private plans.

Pa., Latrobe—STEEL PLANT—Latrobe Electric Steel Co., taking bids 1 story, 60 x 400 ft., brick and steel addition. $100,000. Private plans.

Pa., Phila.—MANUFACTURING—Sept. 10, by Ballinger Co., archts., 12th and Chestnut Sts., 1 story and basement, 119 x 225 rein.-con. and brick addition, plain foundation, Roberts Ave. and Kingshighway, for Atwater-Kent Co.

Pa., Pittsburgh — Bar Bending Plant — See "Contracts Awarded."

Pa., Pittsburgh — PLANT — Cruikshank Bros., Preble Ave., taking bids 3 story, concrete, brick and steel addition, Preble Ave. A. M. Bowman, Bessemer Bldg., engr.

O., Cleveland — ELECTRIC SUB-STATION and SWITCH HOUSE—Aug. 28, by Cleveland Electric Illuminating Co., R. Lindsay, pres., Illuminating Bldg., 1 story, 56 x 106 ft., brick and concrete, sub-station, Clarence and Athens Aves., $75,000; and 1 story, 36 x 168 ft., brick, steel and concrete switch house, East 70th St., $60,000. E. G. Cook, c/o owner, archt.

Ind., Indianapolis—LAUNDRY—Kraus Laundry Co., taking bids 3 story and basement, 47 x 116 ft., concrete and steel laundry. $100,000. Vonnegut, Bohn & Mueller, Indianapolis Trust Bldg., archts.

Ill., Chicago—SWITCH HOUSE—Sept. 10, by Holabird & Roche, archts., 105 South Michigan Ave., 4 story, 80 x 96 x 223 ft., brick and steel, 1st St. and Chicago River, for Commonwealth Edison Co., 72 West Adams St.

Ill., East St. Louis—COOPERAGE—See "Contracts Awarded."

Wis., Milwaukee—PRINTING PLANT—Weber Printing Co., 427 11th Ave., taking bids 1 and 2 story, 50 x 150 ft., brick and timber, plain foundation, Winnebago St. $40,000. R. E. Oberst, 128 Grand Ave., archt.

Wis., New Richmond—CANNERY—See "Contracts Awarded."

Wis., Racine—DAIRY PLANT—Sept. 1, by H. W. Voelz, archt., 373 Bway., Milwaukee, 2 story and basement, 56 x 77 ft., brick and concrete, plain foundation, here, for Progressive Dairy Co., 1214 Lathrop Ave. $50,000. Noted Aug. 20.

Wis., Shawno—SAW MILL—See "Contracts Awarded."

Mo., Kansas City—FACTORY—See "Contracts Awarded."

Calif., Los Angeles—FACTORY, etc.—Sunset Silk Hose Mills, F. B. Norman, mgr., 423 Grosse Bldg., taking bids 2 story, 70 x 135 ft. factory, 1 story, 33 x 64 ft. dyeing room, and 1 story, 30 x 38 ft. boiler house, San Fernando Rd. near Edwards St. $80,000. M. H. Merrill & Co., 615 Laughlin Bldg., engrs.

CONTRACTS AWARDED

Mass., Boston—REPAIR and SERVICE GARAGE—Francis Badger Motor Co., 279 Bway., Chelsea 1 story, 11,000 sq.ft. floor space, brick and steel, Bway. and Carson St., to J. Greenwood, 101 Tremont St. Archts. est. $50,000. Noted July 23.

Mass., West Boylston—FACTORY—Worcester Concrete Block Co., c/o F. A. MacNiven, archt., 368 Main St., Worcester, will build 1 story, concrete block factory, by day labor. $40,000.

R. I., Providence—SHOP, STORAGE and GARAGE — Providence Gas Co., Turks Head Bldg., 2 and 3 story, 200 x 300 ft., rein.-con., brick and stone, Dexter and Waldo Sts., to W. H. Hamlyn & Son, Inc., 35 Greenwich St. Archts. est. to exceed $40,000. Noted July 23.

N. Y., Rochester—COOLING PLANT—Rochester Gas & Electric Corp., 34 Clinton Ave. N., J. P. Haftenkamp, genl. supt., 4 story, dry coke cooling plant at gas plant, here, to Sulzer Freres, Winterthur, Switzerland. Actual construction of above from designs of Sulzer Freres will be executed by J. G. White Eng. Corp., 43 Exchange Pl., New York City.

N. J., Riegelsville — WAREHOUSE and PAPER MILL—Warren Mfg. Co., 2 story, 60 x 80 ft., brick and steel warehouse, and 3 story, 75 x 140 ft., rein.-con. paper mill, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O.

Pa., Pittsburgh — BAR BENDING PLANT—Jones & Laughlin Steel Corp., J. & L. Bldg., will build 1 story, 135 x 325 ft. plant, 2nd Ave., by day labor. Private plans.

Tenn., Clinton—PLANT—Magnet Knitting Mills, with plants at Clinton and Coal Creek, 2 story, 96 x 230 ft., rein.-con. plant addition, here, to Brown-Harry Const. Co., Gastonia, N. C. Noted July 23.

O., Akron—LAMP FACTORY—Akron Lamp Co., 6600 South High St., plans 1 story and basement, 60 x 115 ft. factory, to Higley Constr. Co., 306 Buckeye Bldg. $50,000.

O., Cincinnati — TAILOR SHOP — H. P. Davis Tailoring Co., 8th and Sycamore Sts., 4 story and basement, 60 x 200 ft., rein.-con. and brick, Iowa Ave., to Ferro Concrete Co., 3rd and Elm Sts., $225,000. Noted Aug. 7.

O., Cleveland — STORAGE and MACHINE SHOP—Grabler Mfg. Co., W. S. Bayer, secy., 6505 Bway., 6 story and basement, 60 x 220 ft., brick, steel and concrete, Bway., to Craig-Curtiss Co., 4614 Prospect Ave. Archts. est. $300,000.

O., Cleveland—BAKERY—Grennan Cake Corp., 1941 East 66th St., 2 and basement, 45 x 115 ft., brick and steel addition, to Paul Bros., Fidelity-Mortgage Bldg. Archts. est. $55,000.

O., Cleveland—FREIGHT TERMINAL—Greeley Terminal, A. H. Greeley, pres., East 15th St. and Bway., 3 story and basement, 90 x 110 ft., brick and rein.-con., Pittsburgh Ave., to P. Kirschner & Co., 2314 East 75th St. Archts. est. $400,000.

O., Cleveland—STOCK ROOM—Fisher Body Ohio Co., A. Byers, East 140th St. and Coit Rd., 5 story, 72 x 504 ft., brick and rein.-con., top addition, East 140th St. and Coit Rd., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Archts. est. $300,000.

O., Coshocton—FACTORY—Amer. Art Wks. Co., C. R. Frederickson, pres., 4 story and basement, brick and steel, Walnut St., to Austin Co., 16112 Euclid Ave. Archts. est. $200,000.

O., Dayton—FREIGHT HOUSE—Cleveland, Cincinnati, Chicago & St. Louis Ry., Union Central Bldg., Cincinnati, 1 and 2 story, rein.-con. and brick, plain foundation, Monument St., to Davis-Hunt Constr. Co., 1st and Webb Sts., $250,000. Noted Aug. 13.

Ill., Cicero — MACHINERY PLANT — Ostrander Seymour Co., 7 West Dearborn St., Chicago, 100 x 328 ft., printers and engineers machinery plant, 54th Ave. and 19th St., here, to G. P. Cullen, 2940 West Lake St., Chicago. Archts. est. $150,000.

Ill., East St. Louis — COOPERAGE — Sandusky Cooperage & Lumber Co., Buder Bldg., St. Louis, will build 1 story, 58 x 300 ft. 48 x 160 ft. and 48 x 100 ft. cooperage, Trendley Ave., here, by day labor.

Mich., Detroit — FACTORY — Carey & Esselstyn, engrs., 2539 Woodward Ave., 2 story, brick, steel and concrete, Central Ave., to Jones McNally Co., 1200 Washington Blvd., for Wolverine Tube Co., 1411 Central Ave. Engrs. est. $50,000. Noted Feb. 14, 1924.

Wis., Eau Claire — COLD STORAGE WAREHOUSE—Eau Claire Coffee Co., 121 South River St., 2 story (ultimately 5 story), 82 x 100 ft., rein.-con. and brick, plain foundation, to Hoeppner-Bartlett Co., 414 East Grand Ave. Archts. est. $75,000.

Wis., Milwaukee—NEWSPAPER PLANT—I. Rosenberg, 1202 Garfield Ave., remodeling 4 story, 100 x 200 ft., brick and concrete, West Water St., to R. B. Hartman, 4001 Highland Blvd. Archts. est. $150,000. Noted Aug. 20.

Wis., New Richmond—CANNERY—A. C. Friday & Son, Beaver Dam, will build 2 story, brick addition, plain foundation, here, by day labor. $40,000. Private plans.

Wis., Shawno—SAW MILL—Shawno Lumber Co., will rebuild 2 story, 40 x 120 ft. timber saw mill, plain foundation, by day labor. $75,000. Private plans.

Mo., Joplin — OIL REFINERY — E. M. Wilhoit Oil Co., Woodruff Bldg., will build 1 story refinery, incl. pressure still, four 2,000 bbl. storage tanks, two 5,000 bbl. tanks, two 150 hp. boilers, etc., here, by day labor. $150,000.

Mo., Kansas City — BAKERY — C. J. Patterson Corp., 3110 Graham Rd., general contract 3 story and basement, 172 x 227 ft., brick, steel and rein.-con., to H. Stiver, 402 Shukert Bldg., cost plus percentage basis. Archts. est. $150,000.

Mo., Kansas City—FACTORY—Woods Bros. Corp., Security Bldg., will build 1 story, 121 x 160 ft., brick, Woodswether Rd. and Santa Fe St., by day labor. $50,000. J. G. Brecklein, 220 Kresge Bldg., archts. United States Bedding Co., 1047 Florida St., Memphis, Tenn., lessee.

Kan., Wichita — FACTORY — Coleman Lamp Co., 220 North St. Francis St., 4 story and basement, 60 x 90 ft., rein.-con. and brick factory, to J. Denny, 1451 North Lawrence St. Archts. est. $50,000.

Mo., St. Louis—COLD STORAGE PLANT—Mound City Cold Storage Co., 3019 North 9th St., alterations and improvements to existing plant, 9th and Branch Sts., to A. Groceman, 7218 Normandy Pl. Archts. est. $40,000.

Wash., Bellingham— NEWSPAPER PLANT—S. A. Piper, archt., Bellingham, 6 story, 85.5 x 125 ft., concrete, brick and terra cotta, Chestnut and Oak Sts., to Everett Building Co., Everett, for Bellingham Publishing Co. $335,000. Noted Feb. 26.

Calif., Upland — PACKING PLANT — Upland Citrus Assn., 2 story and basement, 162 x 221 ft., rein.-con., to Campbell Constr. Co., Ontario, $106,505.

Ont., Frankford — POWER PLANT — Quinte & Trent Valley Power Co., (subsidiary Canadian Paperboard Co.), concrete, brick and steel power house, to Morrow & Beatty, Peterborough; 2 turbines, to S. Morgan Smith-Ingles Co., 14 Strachan Ave., Toronto. Engrs. est. $250,000.

Ont., Niagara Falls—FACTORY—Oneida Community Silver Co., factory addition, to Piggott Healey Constr. Co., 36 St. James St. S., Hamilton. Engrs. est. $100,000. Noted Jan. 29.

Buildings—Commercial

PROPOSED WORK

Mass., Brookline (Boston P. O.) — APARTMENT HOTEL—Phibos Corp., J. F. Holbrook, pres., 845 Park Sq. Bldg., Boston, having plans prepared by Silverman, Brown & Heenan, 51 Cornhill St., Boston, 10 story and basement, 146 x 208 ft., brick, stone, steel and limestone, plain foundation, 1492 Beacon St., here. $3,500,000. Noted Mar. 12.

N. Y., Buffalo—APARTMENT—Kushin & Konikoff, 55 Allen St., having plans prepared by J. Geigand, 346 Herman St., 4 story, 88 x 240 ft., rein.-con., brick and steel. Delaware and Lancaster Aves. $500,000.

N. Y., Buffalo—OFFICE and STORE—Reed Serv., Inc., Jackson Bldg., plans office and store building, 119 Franklin St. To exceed $150,000. Engineer and architect not selected.

N. Y., Buffalo—THEATRE—B. Vohwinkel, 2886 Main St., had plans prepared 2 story, 132 x 168 ft., rein.-con. and brick, Genesee St. $350,000. Engineer and architect's names withheld.

N. Y., New York—APARTMENT—J. Golding, c/o Sugarman & Berger, engrs. and archts., 345 Madison Ave., having plans prepared 15 story, brick, stone and steel, plain foundation, Madison Ave. and 86th St. $3,000,000.

N. Y., New York—APARTMENT—Four Hundred and Fifteen Central Park West Corp., c/o Deutsch & Schneider, archts. and engrs., 35 Maiden Lane, having plans prepared 16 story 100 x 100 ft., brick, steel and stone, plain foundation, Central Park West and 101st St. $1,200,000.

N. Y., New York—APARTMENT—M. Hyman, c/o R. T. Lyons, archts. and engrs., 342 Madison Ave., having plans prepared 10 story, 108 x 150 ft., brick, steel and stone, plain foundation, 107 West 93rd St. $700,000.

N. Y., New York—APARTMENT—Newmark, Jacobs & Newmark, 3410 Bway., plans 15 story, brick, steel and stone, 219 West 83rd St. $1,000,000. Engineer and architect not selected.

N. Y., New York—APARTMENT—Sammins Holding Corp., c/o E. Roth, archt. and engr., 119 West 40th St., plans 14 story, 50 x 90, ft., brick, steel and stone, 5th Ave. and 94th St. $500,000.

N. Y., New York—HOSPITAL—Cranleigh Hospital, c/o A. J. Savage, doctor, 37 Bridge St., soon takes bids 9 story, 75 x 100 ft., brick, steel and stone, plain foundation, 159 East 90th St. $500,000. H. G. Balcom, 10 East 47th St., engr. Warren & Wetmore, 16 East 47th St., archts. Noted Apr. 2.

N. Y., New York—LOFT—F. Fox & Co., c/o W. Mason, archt. and engr., 70 East 45th St., having plans prepared 17 story, 100 x 100 ft., brick, steel and stone, plain foundation, 15 West 47th St.

N. Y., New York—OFFICE—Ewing, Bacon & Henry, 101 Park Ave., soon takes bids 17 story, 100 x 125 ft., brick, steel and stone addition, plain foundation, 109 East 40th St. $1,000,000. Ewing & Allen, 101 Park Ave., archts and engrs.

N. Y., New York—OFFICE — Henco Realty Co., Inc., H. I. Cohen, pres., 347 5th Ave., plans 24 story, brick, steel and stone, plain foundation, 9th Ave. and 34th St. $6,000,000. Engineer and architect not selected.

N. Y., New York—THEATRE—W.A.R. Realty Corp., A. Brisbane, pres., 238 William St., having plans prepared by T. W. Lamb, 644 8th Ave., brick, steel and stone, plain foundation, 101 West 54th St. $750,000.

N. J., Jersey City—THEATRE—E. Erickson, 150 Harrison Ave., soon takes bids brick and stone, plain foundation, Pavonia Ave. $200,000. C. N. Zeigler, 75 Montgomery St., archt. and engr.

Pa., Hershey — COMMUNITY — A. E. Hershey, having preliminary plans prepared by C. E. Urban, Washington Bldg., Lancaster, 4 and 5 story and basement community building. $1,500,000.

Pa., Phila.—OFFICE and STORE—W. L. Charr, archt., Victory Bldg., making plans 5 story and basement, 40 x 75 ft., and 70 x 76 ft., brick, rein.-con. and steel, plain foundation, 6th and Chestnut Sts. $250,000. Owner's name withheld.

Pa., Pottstown — PASSENGER and FREIGHT STATION—Pennsylvania R.R. Co., Broad St. Sta., Phila., having plans prepared by S. G. Wagner, Reading Terminal Bldg., Phila., passenger and freight station, Queens Race and Hanover Sts., here. $1,000,000.

Pa., Washington—HOSPITAL—Washington Hospital Assn., D. Owens, supt., rejected bids 3 story and basement, 150 x 200 ft. addition. Will readvertise in spring. Noted Aug. 13.

Md., Baltimore — HALL — Medical & Chirurgical Faculty, L. D. Barker, pres., 1303 North Calvert., having plans prepared by W. W. Emmart, Union Trust Bldg., 4 story, brick and steel, plain foundation, 1211 Cathedral St. $150,000.

Md., Baltimore—OFFICE—Mayor and City Council having plans prepared by W. H. Emory, Jr., 18 East Lexington St., 9 story, with 5 story wings, rein.-con., brick and steel, Lexington, Holliday and Guilford Sts. $1,500,000. Engineers not selected.

N. C., Hendersonville—HOTEL—J. P. Stoltz, Miami, Fla., plans 15 story hotel on Jump Off Mountain. $1,000,000-$2,000,000. Engineer and architect not announced.

N. C., Winston — Salem — OFFICE—Comrs. Forsyth Co. take bids about Sept. 15, 3 story, 125 x 125 ft., concrete and marble office building. $300,000. Northrop & O'Brien, Winston-Salem, archts.

Fla., Bradentown—APARTMENT—S. L. Stein & associates, 77 West Washington St., Chicago, Ill., plan 6 story apartment, Manatee and Prospect Aves., here. $500,000 or more.

Fla., Palmetto — APARTMENT — J. W. Nettles, Palmetto, having plans prepared by Rowe, Dillard & Rowe, Palmetto, for apartment, Bay and Central Sts. $300,000.

Fla., St. Petersburg—OFFICE—N. E. Jones, having plans prepared by Roands & Avery, St. Petersburg, 8 story office building, 6th St. and 1st Ave. N. $600,000.

Fla., Tampa — APARTMENT — A. K. Simms & associates, Citizens Exch. Bldg., having plans prepared by F. J. Kennard, Krause Bldg., 2 story apartment, South Howard St. and Morrison Ave. $250,000.

Fla., Tampa — EXCHANGE—Peninsular Telephone Co., Zack and Morgan Sts., having plans prepared by M. L. Elliott, Citizens Bank Bldg., 12 story and basement exchange. $350,000.

Miss., Biloxi—HOTEL—C. Matthes, archt., takes bids about Sept. 1, 5 story, rein.-con., steel and stucco hotel, for Buena Vista Hotel Co. $300,000. Noted Apr. 16.

Miss., Gulfport—HOTEL—L. F. Alexander Co., Inc., Audubon Bldg., New Orleans, La., having plans prepared by Shaw & Woleben Gulfport, 6 story, rein.-con., brick and stone, 13th St. $500,000.

Miss., Pass Christian — HOTEL — Edgewater Beach Co., 5452 Bway., Chicago, Ill., having preliminary plans prepared by B. Marshall, 721 North Michigan Ave., Chicago, Ill., Edgewater Gulf Hotel, 8 or 10 story, 500 ft. long, 400 room capacity, incl. swimming pool, tennis court, etc. on Gulf Beach, here. Noted Aug. 6, under Mississippi.

O., Cincinnati—COMMERCE — Chamber of Commerce, 126 East 4th St., having plans prepared by Tietig & Lee, Pickering Bldg., and H. Hake, Telephone Bldg., 12 story and basement, 70 x 170 ft., rein.con. and brick, plain foundation, 4th and Race Sts. $2,000,000. Noted Mar. 26.

O., Cleveland — COMMERCIAL, etc. — Blaune Doman Singers Society, 4118 St. Clair Ave. had plans prepared by L. Loeshing, 7019 Lawnview Ave., 2 story and basement, 80 x 157 ft., brick, steel and concrete, commercial, clubhouse and dance hall, 4510 Payne Ave. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT—J. Narosny & S. Libhaber, 11525 Tuscora Ave., having plans prepared by L. R. Walker, 1900 Euclid Bldg., 3 story and basement, 37 x 139 ft., brick, Detroit and Ridgewood Sts. $150,000.

O., Cleveland—COMMERCIAL and THEATRE—J. W. Thompson, Chester—Twelfth Bldg., plans brick, steel and concrete, 4242 Pearl St. $200,000. Private plans.

O., Cleveland—LABORATORY—City, W. R. Hopkins, city mgr., City Hall, plans brick, steel and concrete laboratory, Scranton Rd. $400,000. H. Kregelius, City Hall, archt.

O., Cleveland—POLICE STATION—City, E. D. Barry, dir. Pub. Safety, City Hall, having plans prepared by H. Kregelius, 604 City Hall, 2 story, brick, steel and concrete, East 137th St. and Woodland Ave. $150,000.

O., Columbus—STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., having revised plans prepared by H. Holmes, Kresge Bldg., Detroit, Mich., 5 story and basement, 84 x 187½ ft., brick, steel and terra cotta, State and High Sts. $600,000. Noted March 19.

O., Lima—BANK and OFFICE—Old Natl. Bank, Main and High Sts., F. L. Maire, pres., plans brick, steel and concrete bank and office building. $600,000. Engineer and architect not selected.

O., Youngstown — DEPOT—New York Central R.R., A. S. Ingalls, genl. mgr., West 35th St. and St. Clair Ave., Cleveland, had plans prepared by Fellheimer & Wagner, 7 East 42nd St., New York City, 2 story and basement, brick, steel and concrete depot, here. $250,000.

O., Zanesville—BANK and OFFICE—First Natl. Bank, W. M. Bateman, pres., having plans prepared by Lockwood, Greene & Co., Hanna Bldg., Cleveland, 8 story, 80 x 80 ft., brick, steel and concrete, bank and office building. $300,000.

Mich., Detroit — OFFICE and WAREHOUSE—Coe Terminal Warehouse, E. Coe, Merchants Warehouse Co., 5620 Federal Ave. having plans prepared 12 story, rein.-con. and brick West Fort St. $3,000,000. Lane Davenport & Peterson, Charlevoix Bldg., engrs.

Mich., Negaunee—COMMUNITY—Election Sept. 8, to vote on erecting new 3 story and basement, 75 x 100 ft. community house, $160,000, or to remodeling existing building, $150,000. G. R. Jackson, chn. building com. Noted Apr. 2.

Ill., Elgin — HOSPITAL — State appropriated $199,602 and making plans additions to Elgin State Hospital. Chief Supervising Architect, Capitol Bldg., Springfield, archt. Engineer not selected. L. L. Emerson, state secy.

Wis., Madison—STORE and OFFICE—University Co-Operative Co., 508 State St., plans 3 story, brick, rein.-con. and steel, State St. $150,000. Engineer and architect not selected.

Wis., Milwaukee — HOME — Methodist Deaconess Home, 930 Cedar St., having preliminary plans prepared by M. Tullgren & Sons, 425 East Water St., 4 story and basement, brick and concrete, plain foundation, 11th St. $150,000.

Wis., Milwaukee — MOSQUE — Tripoli Temple, Nobles of the Mystic Shrine, L. Schneller, chn. building com., 399 4th St., having plans prepared by Clas, Shepherd & Clas, 445 Milwaukee St., 3 story and basement, 100 x 120 ft., brick and concrete, Grand Ave. $400,000. Noted June 25.

Wis., Oshkosh — OFFICE — Wisconsin Natl. Life Insurance Co., 14 Washington St., having plans prepared by Auler & Jensen, F. R. A. Bldg., brick, concrete and stone, plain foundation. $200,000.

Wis., Racine—THEATRE—Rialto Amusement Co., 517 Main St., having plans prepared by C. H. Crane, Huron Bldg., Detroit, Mich., 2 story and basement, brick, concrete and terra cotta, plain foundation. $150,000.

Wis., Shorewood (Milwaukee P. O.)—THEATRE and BUSINESS—Goldman Bros. Realty Co., c/o J. Goldman, 510 Mitchell St., Milwaukee, having new plans prepared by H. J. Selmer Co., McCartney Bank Bldg., Green Bay, and soon takes bids, 3 story and basement, 106 x 150 ft., brick, concrete and terra cotta, plain foundation, Atwater Rd. $300,000. Noted Mar. 19.

Minn., Minneapolis — BUSINESS TERMINAL—Great Northern Transit Co., 4th and Jackson Sts., St. Paul, soon takes bids 2 story and basement, rein.-con. and brick, 6th St. and 6th Ave., $150,000. Excavation, to Connolly Constr. Co., 427 Rice St., St. Paul.

Kan., Emporia—HOSPITAL—Sisters of St. Francis, having sketches made by H. W. Brinkman, Emporia, St. Marys Hospital, 3 or 4 story, 45 x 200 ft., rein.-con. and brick hospital. $175,000.

Kan., Oberlin—COURT HOUSE—Decatur Co., G. McMullen, clk., soon takes bids 2 story and balcony, 70 x 100 ft., rein.-con., terra cotta, brick and stone courthouse. $150,000. Squires & Ross, 630 Kansas St., Topeka, archts.

Neb., Omaha—HOSPITAL—University of Nebraska Medical College, plans hospital, 42nd and Dewey Sts. $250,000. J. Latenser & Sons, 732 Peters Trust, archts.

Mo., Kansas City—HOTEL—Kupper—Benson Hotel Co., c/o W. S. Mars, pres. Kupper Hotel, having plans prepared by C. B. Sloan, 320 East 11th St., 21 story and basement, 96 x 115 ft., steel, 11th and McGee Sts.

Mo., Kansas City—STORE, OFFICE and GARAGE—Congress Garage Co., c/o E. J. Willett, Barclay Bldg., 3619 Bway., having plans prepared by R. F. Gornall, Barclay Bldg., 4 story and basement, 150 x 150 ft., rein.-con., plain foundation, 3525-35 Bway. $350,000.

Mo., St. Louis—COMMERCIAL—Kessler & Kolb, Inc., 712 Chestnut St., having preliminary plans prepared 12 or 15 story and basement, 70 x 135 ft., rein.-con., brick, stone and steel, Washington and 7th Sts.

Texas—HOTEL—See "Unclassified."

Tex., Abilene—CITY HALL—Voted $150,000 bonds, new city hall. C. E. Coombes, mayor. Engineer and architect not announced. Noted July 23.

Tex., Dallas — POST OFFICE — J. C. Culp & Co., 33 La Salle St., Chicago, Ill., having plans prepared post office substation, Young St. $200,000. Engineer and architect not announced. U. S. Government, lessee.

Tex., Ft. Worth — MUSIC HALL — Sanguinett-Staats & Hedrick, archts., 1st

Buildings—Commercial (Continued)

Natl. Bldg., and R. L. Scarborough, pres. Southwest Baptist Seminary, Seminary Hill, soon take bids 3 story and basement, rein.-con. and brick, plain foundation. $300,000. Noted Mar. 19.

Tex., San Antonio—APARTMENT—H. C. Wood of Kelwood Co. and associates, archts. and engrs., Travis Bldg., had plans prepared 3 story, basement, roof garden, etc., rein.-con. brick and stone, plain foundation, Bushnell St. and Laurel Heights Pl. $300,000.

Tex., San Antonio — AUDITORIUM — Election soon $250,000 bonds, for completing present auditorium (now under construction). S. F. Creselius, City Hall, engr.

Tex., San Antonio — COURTHOUSE — Bexar Co. election Sept. 19, $1,500,000 bonds for courthouse. A. C. Pancoast, c/o Court House, co. engr. Noted July 2.

Tex., San Antonio—OFFICE—F. Herff & W. M. Wolfe, et al, City Natl. Bank Bldg., having preliminary plans prepared 3 and 4 story and part basement, 60 x 90 ft., rein.-con. brick, and stone, plain foundation, Jefferson St. between Pecan and Travis St. $150,000.

Okla., Eufaula—COURT HOUSE—McIntosh Co. having preliminary plans prepared by Jewell Hicks, 19½ West Main, Oklahoma City, 2 story and basement, 175 x 225 ft., rein.-con., and brick, plain foundation, Main St. to replace one recently destroyed by fire. $225,000. Noted April 23.

Okla., Ponca City—THEATRE, STORE and OFFICE—E. Wetzel, et al, having preliminary plans prepared by Smith & Center, Okmulgee, 2 story and basement, 75 x 140 ft., rein.-con., brick and stone building. $150,000.

Calif., Beverly Hills—HOTEL and APARTMENT—H. C. Schrader, c/o W. A. Hudson, 1414 Burton Way, having plans prepared 3 story, 150 x 150 ft. brick and steel, here.

Calif., Hawthorne—STORES, THEATRE and OFFICE—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, having plans prepared by Cowles-Perrine, 742 South Hill St., Los Angeles, 120 x 140 ft. brick and steel, stores, office and theatre, here. $150,000.

Calif., Los Angeles — OFFICE—Sun Realty & Investment Co., 1001 Lincoln Bldg., having plans prepared by Curlett & Beelman, 408 Union Bank Bldg., 12 story and basement, 117 x 137 ft., brick and terra cotta, 7th and Flower Sts. $1,200,000. Noted Aug. 20.

Calif., Los Angeles—OFFICE—F. Webster, 922 Hollywood Guaranty Bldg., (owner and architect) prepared preliminary plans 12 story and basement, 65 x 165 ft. 1st St. and Bway. $900,000. Noted Aug. 6.

Calif., Oakland—HOTEL—Key Route Interests, c/o V. W. Houghton, archt., 275 Post St., San Francisco, plans fireproof hotel, Grand Ave. here. $300,000.

Calif., Sacramento—ADMINISTRATION—Sacramento Co. having plans prepared by R. A. Herrold, Forum Bldg., fireproof administration building and surgery ward. $175,000. Noted May 5.

Calif., San Francisco — APARTMENT—Ashbury Methodist Episcopal Church, c/o Tuttle & Tuttle, 363 17th St., Oakland, archts. having plans prepared 5 story and basement, brick or rein.-con. 8th Ave. and Geary St. $150,000.

Calif., San Francisco—THEATRE—G. Archer, 5960 Mission St., plans 1 story, brick, fireproof, Mission St., near Sickles Ave. $150,000. Architect and engineer not selected.

Calif., Santa Ana—THEATRE—W. Lutz, having plans prepared by M. E. Durfee, 209 Chapman Bldg., Los Angeles, 3 story and basement, 100x165 ft., 4th and Bush Sts. $200,000.

Calif., Ukiah—HOTEL—H. M. Toy, Manx Hotel, San Francisco, plans fireproof hotel, South State St., here. $150,000 or more. Engineer and architect not selected.

Ont., Minaki—HOTEL—Canadian Natl. Railways, New Union Sta., Toronto, having plans prepared by G. C. Briggs, Canadian Natl. Ry. Depot, Winnipeg, Man., rebuilding 3 and 4 story, brick and concrete hotel, here, to replace one destroyed by fire. $200,000.

Ont., Toronto — OFFICE — North Amer. Life Insurance Co., 112 King St. W., plans 6 story and basement, concrete, brick and steel, Yonge St. near Woodlawn Ave. $1,000,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Allston (Boston P. O.)—STORE—M. Dana, 20 Pemberton Sq., Boston, taking bids 2 story and basement, 90 x 100 ft., brick and stone, plain foundation, Harvard Ave., here. $150,000. F. A. Norcross, 46 Cornhill St., Boston, archt. Noted May 28.

Mass., Amherst—FRATERNITY — Aug. 29, by Delta Tau Delta Fraternity, Amherst College, 3 story and basement, 36 x 120 ft., and 25 x 40 ft., brick and limestone, fraternity building. $150,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, archts. Noted July 9.

Mass., Boston — APARTMENT — W. Cohen, 333 Washington St., taking bids 82 x 104 ft., brick and stone, plain foundation, 50 Commonwealth Ave. $400,000. F. N. Jacobs, 4 Park St., archt. Noted Aug. 20.

Mass., Boston—APARTMENT HOTEL—Three Hundred Ninety Beacon St., Inc., c/o C. A. Isenback, 120 Milk St., taking bids 11 story and basement, 144 x 150 ft., brick and steel, 390 Beacon St. $1,250,000. J. C. Spofford, 36 Bromfield St., archt. Noted Dec. 18.

Mass., Boston—HOTEL—Hotel Winthrop, C. H. Blackhall, 20 Beacon St., taking bids 17 story and basement, 8,400 sq.ft. floor space, brick, steel and limestone, Tremont St. opposite Hollis St. $2,000,000. Blackhall, Clapp & Whittemore, 20 Beacon St., archts. Noted May 28.

Mass., Boston — THEATRE — See "Contracts Awarded."

Mass., Gloucester—STORE and OFFICE—See "Contracts Awarded."

Mass., Marlboro—BANK and OFFICE—Peoples Natl. Bank, S. E. Stevens, pres., taking bids 2 story and basement, 30 x 50 x 100 ft., rein.-con., brick, stone and steel bank and office building. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted Aug. 20.

Mass., Quincy (Boston P. O.) — POLICE STATION — City, c/o Clark, Batty & Gallagher, archts., 13 Temple St., taking bids 3 story and basement, 65 x 80 ft., brick and stone, Canal and Sea Sts. $150,000. Noted Aug. 6.

Mass., Waltham — CITY HALL — City, H. T. Beale, mayor, taking bids 2 story and basement, 65 x 106 ft., brick and limestone, plain foundation, Common St. $350,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Noted June 5, 1924.

R. I., Newport—CITY HALL—Aug. 28, by Town Clerk, City Hall, 3 story and basement, brick and steel, plain foundation Bway. $250,000. Appleton & Stearns, 53 State St., Boston, Mass., archts. Noted Apr. 30.

R. I., Providence—THEATRE, STORE and OFFICE—J. Cohn, c/o E. S. Q. Whitford, Hills Grove, taking bid 2 story and basement, 20,000 sq.ft. floor space, rein.-con. and brick, plain foundation. $150,000. Noted July 30.

Conn., New Haven—CLUB and BUSINESS—Aug. 31 (extended date), by Young Men's Republican Club, M. L. Smith, pres., 8 story, and basement, 50 x 145 ft., brick and steel, Temple and Crown Sts. Shiner & Appel, 185 Church St., archts. Noted Aug. 20.

N. Y., Brooklyn—APARTMENT — See "Contracts Awarded."

N. Y., Cheektowaga—TOWN HALL—Aug. 31, by Town Bd., Union Rd., 3 story, 135 x 170 ft., rein.-con. and brick, Bway. $180,000. F. A. Spangenburg, 250 Delaware Ave., Buffalo, archt. Noted Aug. 6.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., Wingdale—HOSPITAL—Sept. 16, by State Hospital Comn., Albany, constructing Buildings F, G, H, I, J, K, M, O and P at Harlem Valley State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Aug. 27.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. J., Atlantic City—HOTEL—Sept. 10, by Warren & Wetmore, archts., 16 East 47th St., New York City, 12 story, ground floor and basement, 52 x 84 ft., brick and steel addition, plain foundation, Boardwalk and St. Charles Pl., here, for St. Charles Hotel. $500,000.

Pa., Phila.—APARTMENT and GARAGE H. Beckerman, 45 Spruce St., taking subbids 4 story and basement, 160 x 168 ft., brick and steel apartment and 48 x 139 ft. garage, plain foundation, McCallum St. and Lincoln Dr., Ballinger Co., 120 Chestnut St., archts.

Pa., Phila.—APARTMENT—Aug. 31, by W. H. Gravell & A. Hall, archts., Otis Bldg., 12 story and basement, 40 x 71 ft., rein.-con., brick and steel, plain foundation, 15th and Spruce Sts., for R. Seltzer Apartment, 1433 Locust St. Noted Aug. 20.

Pa., Phila.—OFFICE—Aug. 31, by R. Benckert, archt., Bellevue Court Bldg., 9 story and basement, 20 x 77 ft., rein.-con., brick and steel, plain foundation, 13th and Chestnut St.s. $150,000. Owner's name withheld. Noted July 9.

N. C., Rutherfordton—COURTHOUSE—Sept. 8, by Comrs. Rutherford Co., new courthouse. $250,000. L. H. Ashbury, Realty Bldg., Charlotte, archt.

O., Cleveland—STORAGE and WAREHOUSE—Malbin Realty Co., L. and S. Malbin, 3704 East 35th St., taking bids 5 story, 82 x 250 ft., brick and rein.-con., Croton Ave. $250,000. A. A. Soffen, Engineers Bldg., archt. Noted Aug. 20.

Ind., East Chicago—LODGE—B. P. O. E. takings bids lodge, 6 story and basement, 80 x 110 ft., brick and steel lodge. $250,000. K. D. Norris, East Chicago, archt.

Ind., Indianapolis—APARTMENT — See "Contracts Awarded."

Ind., Indianapolis—HOSPITAL—Aug. 23, by City Bd. Health, 4 story and basement, 102 x 105 ft. hospital. $325,000. A Scherer, Majestic Bldg., archts.

Ind., Indianapolis—OFFICE—H. Foltz, archt., Wild Bank Bldg., taking bids 8 story and basement, 56 x 80 ft., rein.-con., brick and steel, North Delaware Ave., for Indiana Lumber Insurance Co., 518 North Delaware St. $400,000. Noted July 23.

Ill., Chicago — APARTMENT — Sept. 15, by J. Hunt, archt., 30 North Michigan Ave., 9 story and basement, 172 x 194 x 254 ft., U shaped, brick, steel, stone and marble, 900 North Michigan Ave., for Nine Hundred Michigan Avenue Corp., c/o Ross & Browne, 80 East Jackson St. $2,500,000.

Ill., Aurora—BANK and OFFICE—Nov. 15, by Weary & Alford Co., archts., 1923 Calumet Ave., Chicago, 13 story and basement, 70 x 80 ft., rein.-con., steel and terra cotta, Main St. and Bway., here, for Aurora Natl. Bank. $500,000. Noted Aug. 20.

Wis., Sheboygan—APARTMENT—Sept. 1 (extended date), by J. Enz, 608 North 8th St., 3 story and basement, 60 x 130 ft., brick and concrete, plain foundation. $150,000. Leenhouts & Guthrie, 424 Jefferson St., Milwaukee, archts. Noted Aug. 20.

Mo., St. Louis—HOTEL—See "Contracts Awarded."

Mo., Kansas City—HOTEL—See "Contracts Awarded."

Okla., McAlester—HOTEL—Aug. 31, by Hawk & Parr, archts., Cotton Exch. Bldg., Oklahoma City, 4 story and basement, 50 x 133 ft., rein.-con., brick and stone, for B. A. Enlowe, McAlester. $150,000. Noted July 23.

BIDS RECEIVED

Mass., Northampton—HOSPITAL—W. A. Merrill, bus. agt. State House, Boston, 2 story and basement, brick new ward building, at Northampton State Hospital, here, from LaFrance Constr. Co., 292 Maple St., Holyoke, $109,987. Noted Aug. 13.

CONTRACTS AWARDED

Mass., Boston—THEATRE, STORE and OFFICE—Cobb Theatre, c/o A. J. Carpenter, Jr., archt., 1 Moss Hill Rd., Jamaica Plain, will build 2 story, 60 x 115 ft., brick and stone theatre, store and office building, here, by day labor. $150,000. Noted Jan. 8.

Mass., Cambridge (Boston P. O.) — OFFICE—Boston & Maine R.R. Co., North Station, Boston, 6 story and basement, 50 x 305 ft., rein.-con. and steel, Lechemere Sq., here, to Scully Co., 218 1st St., Cambridge. Archts. est. $250,000. Noted Aug. 6.

Mass., Gloucester—STORE and OFFICE—Shikes & Long, 18 Tremont St., will build 2 story and basement, brick and limestone, plain foundation, Main St. $150,000. Work will be done by separate contracts. Noted Apr. 3.

Mass., Roxbury (Boston P. O.)—THEATRE, STORE and OFFICE—Singer Realty Co., S. A. Singer, 84 Chauncy St., 2 story, 80 x 190 ft., brick, plain foundation, 119-129 Dudley St., to M. Shapiro, 30 Essex St. Archts. est. $225,000. Noted Aug. 6.

Mass., West Newton (Ind. br. Boston)—STORE—L. I. Cate, Watertown St., 2 story and basement, 70 x 180 ft., rein.-con. and brick, 996 Watertown St., to G. N. Jacobs, 4 Park St., Boston. Archts. est. $150,000.

Conn., Stamford—WAREHOUSE — W. Schoefer & Son, 30 North St., 4 story and basement, 50 x 100 ft., brick and stone, to E. and F. Constr. Co., 94 Wells St., Bridgeport. Noted July 30.

N. Y., Brooklyn—APARTMENTS—W. Kraslon, c/o Shampan & Shampan, archts. and engrs., will build two 6 story, brick, steel and stone, plain foundation, East 18th St. and Church Ave., by day labor. $650,000.

N. Y., Brooklyn—THEATRE—Owner, c/o J. M. Berlinger, archt. and engr., 469 7th

Buildings—Commercial (Continued)

Ave., New York City, brick, steel and stone, plain foundation, 8th Ave. and 46th St., here, to Perri Contg. Co., 186 Joralemon St. Archts. est. $350,000.

N. Y., Buffalo—PUBLIC MARKET—City, rein.-con. and brick, Amherst St., to F. G. Hansel, Ellicott Sq., $259,690.

N. Y., College Point—(Ind. Sta. Flushing) —THEATRE—Owner, c/o J. M. Berlinger, archt. and engr., 469 7th Ave., New York City, brick, steel and stone, 121st St. and 15th Ave., here, to Perri Contg. Co., 186 Joralemon St., Brooklyn. Archts. est. $450,000.

N. Y., New York—APARTMENT—H. A. Murray, c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., 14 story, brick, steel and stone, plain foundation, 80th St. and 5th Ave., to D. P. Robinson, 125 East 46th St. Archts. est. $1,500,000. Noted June 4.

N. Y., New York—APARTMENT—A. Holding Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 5 story, brick, steel and stone, plain foundation, Isham St., by day labor. $200,000.

N. Y., New York—APARTMENT—S. and L. Building Corp., c/o E. Roth, archt and engr., 119 West 40th St., will build 15 story, 140 x 150 ft., brick, steel and stone, plain foundation, Bway. and 101st St. by day labor. $1,600,000.

N. Y., New York—APARTMENT—Paterno Constr. Co., 100 East 42nd St., will build 15 story, 103 x 130 ft., brick, steel and stone, 334-344 West 110th St. $1,000,000. Work will be done by separate contracts. R. Candela, 200 West 72nd St., archt. and engr.

Fla., Haines City — HOTEL — Development Corp. of Florida, P. Stanton secy. and treas., Hotel Polk, 9 story, Harrison Ave., to Stephenson & Cameron, Sarasota. $500,000. Noted May 28.

Fla., Pensacola—HOTEL—Owner, c/o R. De Buys, associated archt., Hibernia Bank Bldg., New Orleans, La. Escambia Hotel, 5 story 54 x 224 ft., 52 x 236 ft., and 56 x 150 ft., rein.-con., hollow tile and stucco, 12½ mi. from here, to Underwood Contg. Co., Louisiana Bldg., New Orleans, La. Archts. est. $1,000,000.

Fla., Vero Beach—BANK and OFFICE—Vero Beach Bank & Trust Co., 7 story bank and office building, to Gude Constr. Co., 64 Poplar St., Atlanta, Ga. $325,000.

O., Akron — WAREHOUSE — Firestone Tire & Rubber Co., South Main St., 3 story, 200 x 400 ft., brick, steel and concrete, to H. P. Moran Constr. Co., Terminal Bldg. Archts. est. $250,000.

O., Cleveland—APARTMENT—Schnader & Horowitz, 878 Herrick Rd., 3 story and basement, 40 x 220 ft., brick, Ansel Rd., to J. Dolinsky, 2210 East 69th St. Archts. est. $200,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., G. A. Kositgky, 4300 Euclid Ave., 2 story and basement, 83 x 85 ft., brick and rein.-con., 4314 West 35th St., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $150,000. Noted Aug. 6.

O., Cleveland — NURSES HOME, etc. — Mt. Sinai Hospital, F. T. Halle, chn. building comn., East 105th St. and Ansel Rd., 6 story 54 x 138 ft. nurses home, 4 story, 34 x 118 ft. laboratory, 4 story, 59 x 104 ft. out patients building, 29 x 60 ft. garage, and 16 x 42 ft. laundry and boiler house, brick, steel and concrete, East 105th St., to Reaugh Constr. Co., 2835 East 51st St. Archts. est. $1,000,000. Noted June 4.

O., Columbus—LODGE—Knights of Pythias, 4 story and basement, 139 x 155 ft., rein.-con. and brick, Mt. Vernon and Talmadge Sts., to L. L. LeVegue, Edgehill Rd., about $140,000.

O., Painesville—BANK and OFFICE—First Natl. Bank, 4 story and basement, 65 x 90 ft., brick, steel and concrete, to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland. Archts. est. $150,000. Noted July 23.

Ind., Indianapolis — APARTMENT — H. Dollman, Jr., Merchants Bank Bldg., will build 3 story and basement, 40 x 87 x 129 ft., brick and stone, East 14th St., by day labor. Archts. est. $150,000.

Ill., Chicago—OFFICE—Portland Cement Assn., 111 West Washington St., general contract 5 story and basement, 97 x 100 ft., rein.-con. and steel office and laboratory building, 29-35 West Grand Ave., to Turner Constr. Co., 6 North Michigan Ave., $300,000.

Ill., Rock Island — HOTEL — Fort Armstrong Hotel Co., c/o H. H. Cleveland, general contract 10 story and basement, 120⅞ x 150⅞ ft., rein.-con., brick and stone hotel, to Fleisher Eng. & Constr. Co., 306 Lumber Exch. Bldg., Minneapolis, Minn. Noted March 19.

Wis., Janesville—J. A. Steiner, secy. Y. M. C. A., 402 West Milwaukee St., general contract, 3 story and basement, 120 x 120 ft., brick and concrete, plain foundation, to D. B. Danielson, 874 Layton Blvd., Milwaukee, $166,300. Archts. est. $250,000. Noted July 30.

Wis., Madison—GARAGE—Buick Garage Co., Z. S. Baldrom, pres., West Washington Ave., 3 story, 60 x 150 ft., rein.-con., brick and steel, Wilson Ave., to J. H. Findorff Co., 601 West Wilson St. Archts. est. $150,000.

Wis., Milwaukee—APARTMENT—I. H. Benesch Co., 513 Van Buren St., 3 story, 94 x 181 ft., brick and tile, plain foundation, Prospect Ave., to Reisinger & Co., 464 Oakland Ave. Archts. est. $200,000. Noted June 4.

Wis., Milwaukee—HOSPITAL—Hanover General Hospital, 464 Hanover St., 4 story and basement, 97 x 130 ft., brick and concrete addition, plain foundation, Hanover St., to Reisinger & Co., 464 Oakland Ave. Archts. est. $250,000.

Wis., Waukesha—BATH HOUSE—Van Ryn & De Gelleke, archts., 114 Grand Ave., Milwaukee, 3 story and basement, 55 x 140 ft., brick and concrete addition, plain foundation, here, for Waukesha Moor Bath Co., to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee, Prospect Ave. Archts. est. $150,0000. Noted July 16.

Minn., Stillwater—APARTMENT HOTEL—Lowell Investment Co., F. W. Densmore, 1017-6th Ave. S. Minneapolis, general contract 4 story and basement, 80 x 120 ft., rein.-con., brick and terra cotta, here, to Lovering & Longbotham, 607 Builders' Exch. Bldg., St. Paul. Archts. total est. $200,000.

Kan., Topeka — PASSENGER STATION and FREIGHT HOUSE—Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., general contract 2 story, 58 x 317 ft. passenger station, 45 x 76 ft. freight station head house, 40 x 242 ft. freight house with 10 ft. concrete platform with 21 x 260 ft. incline, all rein.-con., brick and terra cotta, here, to P. J. Sullivan, 3200 Humboldt St., Denver, Colo. Noted May 14.

Mo., Jefferson City—BANK and OFFICE First Natl. Bank, 4 story and basement, rein.-con., brick, Carthage stone and steel, High and Madison Sts., to Simon Constr. Co., Columbia. Noted Nov. 13.

Mo., Kansas City — HOTEL — Jewell Realty, c/o R. Brown, 101 Scarritt Bldg., will build 4 story and basement, 60 x 138 ft., rein.-con., plain foundation, 9th and Cherry Sts., by day labor. $175,000. P. T. Drotts, Reliance Bldg., archt.

Mo., Kansas City — HOTEL — Jewell Realty Co., c/o R. F. Brown, 101 Scarritt Bldg., will build 4 story and basement, 74.5 x 140 ft., rein.-con., plain foundation, Linwood Blvd. and Garfield Ave., by day labor. $200,000. P. T. Drotts, Reliance Bldg., archt.

Mo., St. Louis—APARTMENT—Joyner Realty Co., c/o D. R. Harrison, archt., 6053 Waterman Ave., 6 story and basement, 100 x 177 ft., rein.-con., brick and stone, Enright and Hamilton Sts., to Harrison Constr. Co., 5715 Delmar Blvd. Archts. est. $500,000.

Mo., St. Louis—HOTEL—Coronado Hotel Co., 1042 International Life Bldg., will build 14 story and basement, 93 x 99 ft., and 1 story, 55 x 80 ft., rein.-con., brick, stone, steel and terra cotta addition, Lindell Blvd. and Spring Ave., by day labor, under supervision of P. J. Bradshaw, archt., International Life Bldg. $500,000. Noted June 25.

Tex., Houston — OFFICE — N. Esperson Estate, c/o N. Esperson, 1611 2nd Natl. Bank Bldg., general contract 26 story and tower, 151 x 155 ft., rein.-con., brick, steel, stone and terra cotta, Travis St. and Rush Ave., to Amer. Constr. Co., 410 Gulf Bldg., Houston, $2,250,000. Noted July 16.

Okla., Oklahoma City — OFFICE — Oklahoma Savings & Loan Assn., Amer. Natl. Bank Bldg., general contract 3 story and basement, 50 x 140 ft., rein.-con., brick and stone, 2nd and Robinson Sts., to J. H. Frederickson & Co., Baltimore Bldg., Oklahoma City. Noted April 30.

Wash., Seattle—APARTMENT HOTEL —F. H. Fowler, archt., L. C. Smith Bldg., 9 story and basement, 108 x 120 ft., rein.-con. and steel, 3rd and Blanchard Sts., to Walter & Brady, Hoge Bldg., for C. Cornelius, c/o architect. $550,000.

Calif., Los Angeles — LOFT — Subway Terminal Corp., 647 South Spring St., 10 story and basement, 45 x 121 ft., brick and terra cotta service and loft, 420 West 4th St., to P. J. Walker, 1111 W. M. Garland Bldg., $400,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Brighton (Boston P. O.) — CHAPEL—St. Elizabeths Hospital, having revised plans prepared by E. T. P. Graham, 171 Newberry St., Boston, 1 story, 50 x 125 ft., rein.-con., brick and stucco, Cambridge St. $150,000. Former bids rejected. Noted Feb. 26.

Mass., Lynn.—CHURCH—St. Stephen's Episcopal Church, W. A. Lawrence, pastor, plans 1 story and basement church, Eastern and Waite Aves. To exceed $150,000. Engineer and architect not selected.

Mass., Nantucket—SCHOOL—Town, J. R. Keller, chn. building com. plans high school. $150,000 or more. Engineer and architect not selected.

Mass., West Roxbury (Boston P. O.)—CHURCH — St. Theresas Roman Catholic Church, J. F. Broderick, pastor, having sketches made by Maginnis & Walsh, 100 Boylston St., Boston, 1 story, rein.-con. and stone, Centre and Cottage Sts. $150,000.

N. Y., Brooklyn—LABORATORY—Dept. Pub. Welfare, Municipal Bldg., New York City, having plans prepared by Dodge & Morrison, archts. and engrs., 160 Pearl St., New York City, 8 story, brick, steel and stone, plain foundation, at Kings Co. Hospital, Winthrop St., here. $475,000.

N. Y., Buffalo — SCHOOL — Bd. Educ., Genesee Bldg., having preliminary plans prepared by School Architects, Old Central High School, rein.-con. and brick additions, to Schools, 29 and 65. $200,000.

Pa., Pittsburgh—HIGH SCHOOL—Catholic Diocese of Pittsburgh, c/o H. C. Boyle, pastor, 5th Ave. and Craig St., having plans prepared by E. J. Weber, archt., K. of C. Bldg., and A. F. Fink, associated archt., West Craig St., 3 and 4 story and basement, 63 x 216 ft., stone, 5th Ave. and Boundary St. $500,000.

Md., Baltimore—CHURCH—Forest Park Presbyterian Church, 4003 Bonner Rd., C. Leber, pastor, having plans prepared by C. N. and N. Friz, Lexington Bldg., 1 story and basement, stone, plain foundation, Garrison and Dalrymple Aves. $150,000.

Md., Baltimore—CHURCH—A. W. Wilson Memorial Methodist Episcopal Church, C. D. Harris, pastor, 309 University Parkway, having plans prepared by A. L. Leach, 411 North Charles St., 1 story marble, Charles St. and University Parkway. $175,000.

Md., Baltimore — SYNAGOGUE — Zion Sharuy Congregation, c/o A. S. Hillman, 3445 Park Heights Ave., having plans prepared by J. Freund, 1307 St. Paul St., 4 story stone and brick synagogue and community building, plain foundation, Park Heights and Hilldale Aves. $250,000.

Md., College Park—ADMINISTRATION —University of Maryland, having plans prepared by Smith & May, Calvert Bldg., 1 and 2 story administration, dining room and power plant. $225,000.

Florida—SCHOOLS — Bd. Pub. Schools Pinellas Co., Clearwater, soon takes bids 2 story and part basement, 90 x 126 ft. school, in Tarpon Springs; 1 story, 88 x 140 ft. in Gulfport, and 2 story and part basement, 75 x 90 ft., in Clearwater. M. L. Ellicott, Tampa and St. Petersburg, and W. B. Ittner, 911 Locust St., St. Louis, Mo., archts.

Ala., Birmingham—SCHOOLS—Bd. Educ. having preliminary plans prepared by W. B. Ittner, consult. archt., 911 Locust St., St. Louis, Mo., Moore and Slater Schools, 2 story and basement, brick and concrete. $200,000 upwards.

Tenn., Memphis—COLLEGE—Sisters of St. Cecelia, St. Agnes Academy, Vance Ave., had tentative plans prepared by Regan & Weller, Bank of Commerce Bldg., 2 story and basement, on 12 acre site, Poplar Blvd. $150,000.

O., Berea—HIGH SCHOOL—Bd. Educ., plans 2 story and basement high school, Bagley Rd. and East St. $400,000.

O., Cleveland — HIGH SCHOOL — Bd. Educ., F. G. Hogen, dir. having preliminary plans prepared by G. M. Hopkinson, 6th St. Clair Bldg., 2 story and basement, brick, steel and concrete, East 55th St. and White Ave. $500,000.

O., Hartville—SCHOOL—Bd. Educ., Lake Twp., plans 2 story and basement school. $190,000.

Ind., Muncie—LIBRARY—Bd. Trustees Eastern Indiana Normal, B. V. Burris, pres., having plans prepared by Lindes & Babbitt, archts. and engrs., Columbus, O.,

Buildings—Educational, Religious (Cont.)

and takes bids about Oct. 1, 3 story, rein. con. and brick, plain foundation, in Normal City. $300,000.

Mich., Jackson—HIGH SCHOOL—Childs & Smith, archts., 720 North Michigan Ave., Chicago, Ill., take bids about Sept. 5, 3 story and basement 386 x 424 ft., rein.-con. high school, here, for Union School Dist. $1,000,000.

Wis., Cudahy—HIGH SCHOOL—Bd. Educ., F. H. Schade, pres., had plans prepared by R. Messmer & Bros., 221 Grand Ave., Milwaukee, (1st unit), 2 story and basement, brick and tile, plain foundation, Lake Rd. $180,000.

Wis., Milwaukee—CONVENT—St. Marys Convent, 3502 Center St., having plans prepared by E. Brielmaier & Sons, 432 Bway., 4 story and basement, brick and concrete addition, plain foundation, Center St. $150,000.

Ia., Cedar Rapids—CHURCH—St. Matthews Roman Catholic Congregation, A. Beahm, pastor, having preliminary plans, here, prepared by C. B. Zalesky, Amer. Trust Bldg., 2 story and basement, concrete, brick and stone, 24th St. and 1st Ave. $200,000.

Ia., Corning—SCHOOL—Bd. Educ. takes bids in fall, 2 story and basement, rein.-con., brick and stone school. $160,000. Thomas, McLennan & Thomas, 525 17th St., Des Moines, archts. Noted June 11.

Ia., Iowa City—CHEMISTRY—State Bd. Educ., W. H. Gemmill, secy., rejected bids 4 story and basement, rein.-con., brick and stone chemistry building. Noted Aug. 6.

Ia., Mt. Pleasant — SCIENCE HALL — Iowa Wesleyan College, U. S. Smith, pres., having preliminary plans prepared 3 story and basement, rein.-con. and brick science hall. $200,000.

Kan., Manhattan — DORMITORY—State Bd. Administration, Topeka, T. J. O'Neil, bus. mgr., takes bids about Sept. 1, Girls Dormitory, 3 story and part basement, 85 x 169 ft., rein.-con., brick and stone, here. C. A. Cuthbert, State Bldg., Topeka, archt. Noted March 5.

Kan., Pittsburg — LIBRARY — State Bd. Administration, Topeka, T. J. O'Neil, bus. mgr., takes bids about Sept. 25, 3 story, 100 x 150 ft., concrete, brick, stone and steel library, here. $150,000. C. D. Cuthbert, State Bldg., Topeka, archt. Noted May 21.

Kan., Topeka — SCHOOLS — Election about Oct. 1, $2,000,000 bonds for school buildings and repairs, etc. M. C. Holman, secy. Bd. Educ.

Mo., St. Joseph—SCHOOLS—Bd. Educ., 1306 Fred Ave., having plans prepared and soon takes bids repairs and additions to Central High, Whittier, Blair, Floyd, Hosier, Douglas, Green Valley Schools. $300,000. B. M. Casteel, c/o owner, ch. engr. Noted July 9.

Mo., St. Louis—EXCHANGE—Southwestern Bell Telephone Co., Bway and Locust St., having preliminary plans prepared 2 story and basement, rein.-con., brick and steel, here. $250,000. Private plans.

Ark., Fayetteville — COLLEGE — University of Arkansas takes bids probably in November, two 3 story, rein.-con., brick and stone college buildings. $650,000. Jamieson & Spearl, Arcade Bldg., St. Louis, Mo., archts. Noted June 11.

Tex., Abilene—HIGH SCHOOL—Voted $160,000 bonds, new rein.-con., brick, stone and tile high school, plain foundation. Noted July 23.

Tex., Dallas — HIGH SCHOOL — Bd. Educ., C. M. Moore, secy., having preliminary plans prepared by Dewitt & Lemmon, 507 Southwest Life Bldg., rein.-con., brick and stone, Akard and Royal Sts. $1,000,000.

Tex., San Antonio — HIGH SCHOOL — City takes bids about Sept. 1, 1 story, rein.-con. and brick, plain foundation, Yorkshire and Berkshire Aves. $250,000. Phelps DeWees, Gunter Bldg., archts. A. B. and R. Ayres, Bedell Bldg., associated archts. Noted July 30.

Okla., Tulsa—HIGH SCHOOL—Bd. Educ. having plans prepared by Leland I. Shummay, 725 New Nelson Bldg., 3 story and basement, 135 x 215 ft., rein.-con. and brick, Hollywood Jr. High School, Owen Park. $350,000. Gulham, Cook and White, 409 Interstate Bldg., Kansas City, Mo., engrs. Noted July 2.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., having plans prepared by A. C. Martin, 227 Higgins Bldg., 3 story, 121 x 161 ft., Polytechnic high school, at 327 West 20th St. $180,000.

Calif., Oakland—HIGH SCHOOL—Having plans prepared by Wythe, Blain, & Olsen, 1800 Telegraph Ave., Frick Junior High School, 3 story and basement, concrete and brick, $400,000. Noted July 9.

Calif., Santa Barbara—SCHOOL — Bd. Educ. having plans prepared by E. L. Mayberry, 122 East 7th St., Los Angeles, Wilson School, hollow tile and concrete, to replace one destroyed by earthquake. $150,000 to $200,000.

Calif., Van Nuys—HIGH SCHOOL—Los Angeles Bd. Educ., soon takes bids 3 story, 75 x 225 ft. domestic science building, 1 story, 72 x 223 ft. manual arts building, and 1 story 30 x 40 ft. boiler room, here. $160,000. O. H. Neher, 1110 Insurance Exch. Bldg., Los Angeles, archt.

Ont., London—COLLEGIATE—Bd. Educ., S. F. Lawrason, chn., soon takes bids 2 story and basement, 90 x 185 ft., brick, East London St. $300,000. L. E. Carrothers, Bd. Educ. Bldg., archt.

Ont., Toronto—COLLEGE—Havergal College, 345 Jarvis St., having plans prepared by Chapman & Oxley, Northern Ontario Bldg., 3 story and basement, brick, concrete, steel and stone, Glenview Ave. $250,000.

Ont., Windsor — SCHOOL — Separate School Bd., c/o W. Gourd, secy., 616 Pierre Ave., will receive plans until Sept. 1 for 12 room rein.-con. brick and steel, plain foundation, Barnwell Ave. $175,000-$250,000.

Que., Chicoutimi — CONVENT — R. R. Fathers Jesuits, plans 3 story convent here. $150,000. Architect and engineer withheld.

BIDS DESIRED

Mass., New Bedford—HIGH SCHOOL—Sept. 14, by City Building Dept., City Hall, Junior High School, brick and steel, Felton and Tarkiln Hill Rd. $700,000. Leary & Walker, 307 Times Bldg., archts. Noted Apr. 9.

Mass., Saugus—HIGH SCHOOL—Town, C. W. Hanson, chn. School Building Commission taking bids Junior High School, 2 story and basement, 76 x 95 ft., brick, Lincoln Ave. $150,000. R. H. Doane, 162 Newbury St., Boston, archt. Noted July 30.

N. J., Hammonton — HIGH SCHOOL — Sept. 3, by Bd. Educ., 2 story and basement, 109 x 132 ft., 67 x 114 ft., and 66 x 106 ft., rein.-con. and brick, high school, plain foundation. Leckey & Hettle, 5 Hudson Ave., Camden, archts. Noted Nov. 24.

Pa., Phila.—SENIOR HIGH SCHOOL—Sept. 8, by Bd. Educ., 19th and Chestnut Sts., 4 and 5 story and basement, 228 x 322 ft., rein.-con. and brick, plain foundation, 17th and Luzerne Sts. $2,000,000. Private plans.

Pa., Sharon—CHURCH—Sept. 1, by First Presbyterian Church, 2 story, brick, steel and concrete church. $250,000. Nicklas & Rodrick, 1227 Prospect Ave., Cleveland, O., archts. Noted Mar. 26.

Md., Baltimore—CHURCH and PARSONAGE—Sept. 1, by C. N. and N. Friz, archts., Lexington Bldg., 2 story 91 x 122 ft. stone, plain foundation, York Rd., for First and St. Stephens Reformed Church. $150,000. H. F. Doleman, 507 North Charles St., engr. Noted Apr. 9.

Md., Baltimore—SCHOOL, etc.—Sept. 9, by Bd. Awards, City Hall, 3 story and basement, 101 x 205 ft. school addition, and 1 story and basement, 100 x 180 ft. shop, Warren and Battery Aves. L. R. White, Hearst Tower, archt.

N. C., Clinton—HIGH SCHOOL—Sept. 7, by Bd. Educ. Sampson Co., for Piney Grove High School. $150,000. Linthicum & Linthicum, 117 West Martin St., Raleigh, archts.

N. C., Raleigh—SCHOOLS—Aug. 31, Bd. Educ. Wake Co., two brick classrooms and basement addition to Millbrook School; two brick classrooms and auditorium at Falls of Neuse School; brick farm shop and class room at Method; seven teacher community school and auditorium Lebulon; brick four teacher community school and auditorium at Wendell; 3 teacher community school at Panther Br.; two classroom addition at Fuquay Springs. J. M. Kennedy, Merchants Bank Bldg., Raleigh, archt.

Ind., Vincennes—SCHOOL—St. Vincent's Orphanage, taking bids 3 story and basement, rein.-con., brick and steel school, $400,000. Shopbell, Fowler & Tholl, Furniture Bldg., Evansville, archts.

Ill., Rockford—HIGH SCHOOL—Sept. 11, by Bd. Educ., W. Broquinier, supt. physical properties, Lincoln Junior High School 3 story and basement, 85 x 450 ft., concrete, brick and tile, plain foundation. $1,000,000. Peterson & Johnson, 496 Swedisn-Amer. Bank Bldg., archts. Noted Aug. 20.

Wis., Holy Hill (Hubertus P. O.)—CHURCH—H. J. Gaul, archt., 228 East Superior St., Chicago, Ill., taking bids 2 story, brick and stone, plain foundation, here, for Carmelite Fathers, c/o C. Baumeister, pastor, R. I., Hubertus. $150,000. Noted Feb. 15.

Wis., Wausau—HIGH SCHOOL—Sept. 9 (extended date), by Bd. Educ., S. B. Tobey, supt. of schools, (1st unit) Central High School, 2 story and basement, tile, concrete and brick, plain foundation. To exceed $150,000. Oppenhamer & Obel, Bellin Bldg., Green Bay, archts.

Ark., Paris—CHURCH—See "Contracts Awarded."

Okla., Duncan—CHURCH—Sept. 3, by First Methodist Congregation and Hawk & Parr, archts., 2 story and basement, concrete, brick and stone church.

CONTRACTS AWARDED

Mass., Boston—CHAPEL—St. Elizabeths Hospital, 736 Cambridge St., Brighton, 1 story, 50 x 125 ft., rein.-con. brick and stucco memorial chapel, Cambridge St., here, to Walsh Bros., 150 Hampshire St., Cambridge. Archts. est. $150,000.

Mass., East Douglas—HIGH SCHOOL—Town, Superintendent Schools, 2 story and basement, 70 x 100 ft. with 43 x 83 ft. wing, brick and stone, plain foundation, to W. T. Germain, Milbury. Archts. est. $150,000. Noted Aug. 6.

Mass., Medford — SCHOOL — City, W. White, chn., School Building Com., 2 story and basement, 62 x 110 ft., brick school, Fulton Heights, to J. M. Hartwell, 46 Cornhill St., Boston. Archts. est. $150,000. Noted Aug. 6.

Mass., Worcester—SCHOOL—City, Pub. Building Dept., City Hall, 2 story and basement, 60 x 110 ft., brick and steel, Ward St., to C. T. Rocheford, 58 Front St. Archts. est. $150,000. Noted Aug. 13.

R. I., North Smithfield—SCHOOL—Town School Bd., 2 story and basement, brick, Great Rd., to E. & C. Constr. Co., 156 Jostram St., Providence. Archts. est. $150,000. Noted Aug. 6.

Conn., Windsor—SCHOOLS—Bd. Educ., C. B. Searle, chn., two schools, 6 and 8 rooms, brick and steel, 1 at Bloomfield Ave., and other Windsor Ave., to Eastern Eng. & Constr. Co., 945 Main St., Bridgeport. Archts. est. $150,000. Noted Aug. 20.

N. Y., Buffalo—SCHOOL and HOSPITAL—City, rein.-con. and brick, school and hospital, Ferry St., to R. E. Williams, Jackson Bldg., $163,456.

Pa., Phila.—LIBERAL ARTS — Sesqui Centennial International Exposition, W. F. Kendrick, mayor-pres., 1 story, 392 x 970 ft., rein.-con., steel and stucco, wood pile foundation, Broad St. and Packer Ave., to Austin Co., Jefferson Bldg., $850,000. Noted Aug. 20.

N. C., Charlotte—CHURCH—Dilworth Methodist Episcopal Church, new brick church, to J. A. Jones Constr. Co., Realty Bldg., $200,000.

La., Alexandria—HIGH SCHOOL—Rapides Parish School Bd., 3 story, rein.-con., brick and steel, to Caldwell Bros., 814 Howard Ave., New Orleans. $849,250. Noted July 22.

La., New Orleans — SCHOOL — Orleans Parish School Bd., Jackson School, 3 story, rein.-con. and brick, Camp, Terpsichore, Magazine, and Robin Sts., to J. A. Petty, Godchaux Bldg. $266,000. Noted July 30.

O., Cleveland Heights (Warrensville P. O.)—CHURCH—Church of the Cross, A. L. Marting, pastor, Seminary St., Boston, Mass., 1 story, brick, steel and concrete, Caledonia and Winsford Rds., to F. Crockett, 7407 Lawnview Ave., Cleveland. Archts. est. $150,000. Noted June 11.

O., New Philadelphia—HIGH SCHOOL—Bd. Educ 3 story and basement, 143 x 180 ft., rein.-con., brick and stone, to C. E. Heintzelman, New Philadelphia, $238,117 Noted July 30.

Ind., Indianapolis—CHURCH—Reformed Church, 4844 Winthrop Ave., 2 story and basement, 140 x 160 ft., brick and stone, Carrolton Ave., to J. Curry Constr. Co., Empire Bldg. Archts. est. $150,000.

Wis., Wausau—HIGH SCHOOL—Sept. 7, by Bd. Educ., S. B. Tobey, supt. of schools, 2 story and basement, brick, tile and concrete, unit of Central High School, plain foundation. To exceed $150,000. Oppenhamer & Obel, Bellin Bldg., Green Bay, archts.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway Ave., 2 story and basement, 86 x 163 ft., rein.-con., brick and steel, Bremenn Ave., to Corrick Bros., 507 Owen Bldg. Archts. est. $170,000. Noted July 30.

Ark., Paris — CHURCH — St. Joseph Roman Catholic Congregation, A. Bender, pastor, will build 1 story and part basement, rein.-con., brick and stone church, by

Buildings—Educational, Religious (Cont.)

day labor and sub-contracts. Ludewig & Dreisoerner, 3543 Humphrey St., St. Louis, Mo., archts.

Ont., Kingston — SCHOOL — Bd. Educ., general contract, 2 story and basement, concrete, brick and steel school, Rideau St., to H. W. Watts, Kingston. $106,700. Noted Apr. 9.

Federal Government Work

PROPOSED WORK

Ill., Effingham — Post Office — Public Building Com., c/o Post Office Dept., Wash., D. C., having preliminary plans prepared 2 story and basement, rein.-con., brick and stone post office, here.

Ill., Rantoul—Buildings, etc.—War Dept., Wash., D. C., appropriated $2,775,075 for permanent buildings, hangars, etc., at Chanute Field, here.

BIDS DESIRED

R. I., Providence—Dredging—Sept. 10, by U. S. Engineer Office, dredging in Connecticut River; adv. E. N.-R. Aug. 27.

N. Y., Staten Island—Mooring Chain, etc. —Sept. 9, by Supt. Lighthouses, 435 tons iron or cast steel mooring chain, 328 wrought iron chain swivels, approximately 22,800 lbs., 4 cast steel 5,000 lb. mushroom anchors, etc.

Pa., Pittsburgh—Alterations—Sept. 8, by U. S. Veterans Bureau, 791 Arlington Bldg., Wash., D. C., alterations to U. S. Veterans Regional Office 11, Republic Bldg., here.

D. C., Wash.—Filtration Plant—Sept. 22, by U. S. Engineer Office, 1068 Navy Dept. Bldg., filtration plant superstructures for Dist. of Columbia water supply project. Adv. E. N.-R., Aug. 27.

D. C., Wash.—Tender—Sept. 25 at office Commissioner Lighthouses, constructing stern wheel, steel, steam propelled, lighthouse tender Wakerobin for use on Mississippi River.

Va., Norfolk—Dredging—Sept. 4, by G. F. Blair, dist. director U. S. Shipping Bd. Emergency Fleet Corp., dredging at Norfolk Army Base.

Va., Norfolk—Suction Pipe—Sept. 4, by U. S. Engineer Office, suction and discharge pipes for U. S. Dredge "Cuttituck"; adv. E. N.-R. Aug. 27.

Ga., Savannah—Remodeling—Sept. 18, by J. A. Wetmore, acting Supervising Archt., Treas. Dept., Wash., D. C., remodeling at U. S. Marine Hospital, here.

Ala., Florence—Air Compressor—Sept. 24, by U. S. Engineer Office, furnishing and installing motor driven air compressors in power house and lock operator's house, Wilson Dam, Tennessee River.; adv. E. N.-R. Aug. 27.

La., New Orleans—Sept. 3, by U. S. Engineer Office, War Dept., Wash., D. C., 16,500 cu.yd. earthwork in Pontchartrain Levee Dist.

Mo., St. Louis—Barges—Sept. 21, by U. S. Engineer Office, 428 Customhouse, 6 steel barges; adv. E. N.-R. Aug. 27.

Tex., Comanche—Post Office—Sept. 25, by J. A. Wetmore acting Supervising Archt., Treas. Dept., Wash., D. C., 1 story, brick, tile and stone post office, here; adv. E. N.-R. Aug. 27.

Calif., Los Angeles—Dredging—Sept. 3, by U. S. Engineers Office, War Dept., Wash., D. C., dredging 1,330,000 cu.yd. in Los Angeles Harbor.

BIDS RECEIVED

Pa., Pottsville — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, from Devault & Deitrick, Canton, O., $17,500. Noted July 23.

Ala., Birmingham — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., extending mailing platform, at post office, here, from Deitz Concrete Constr. Co., Inc., Birmingham, $12,250. Noted July 30.

Miss., Vicksburg — Levees — Mississippi River Comn., June 29, approximately 350,000 cu.yd. levee work, from Roach, Denison & Rodgers, 62 South Front St., Memphis, Tenn., $0.494 per cu.yd.

La., New Orleans — Levee — U. S. Engineer Office, Aug. 14, 148,000 cu.yd. earthwork in Babin Levee, Atchafalaya Levee Dist., from Lower Coast Constr. Co., Godchaux Bldg., New Orleans, $16,280.

Ill., Maywood — Hospital — U. S. Veterans Hospital Bureau, 791 Arlington Bldg., Wash., D. C., Aug. 15, animal house and repair shop, here, from G. Griffiths Constr. Co., 705 Olive St., St. Louis, Mo., $23,990. Noted July 30.

CONTRACTS AWARDED

Mass., Boston—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging in Broad Sound, here, to E. Breyman, 172 Condor St., East Boston, $402,306. Noted Aug. 20.

N. Y., Brooklyn—Paving—Spec. 5146—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete curbing and paving at Naval Hospital, here, to Fleming & Sheppard Co., Inc., 116 Broad St., New York City, $6,420 (45 days).

Md., Baltimore — Dredging — U. S. Engineer Office, Wash., D. C., dredging in Craighill Channel, Baltimore Harbor, here, to Columbia Dredging Corp., 30 Church St., New York City, $216,000. Noted July 9.

Va., Norfolk—Fire Main—Spec. 5126—Bureau Yards & Docks, Navy Dept., Wash., D. C., salt water fire main, here, to Oscie Dashiell & Son, 507 South St., Portsmouth, (1) $12,507 (90 days) (2) $415. Noted July 30.

Tenn., Memphis—Levee—U. S. Engineer Office, War Dept., Wash., D. C., levee work in White River Levee Dist. to Jones & Rodgers, 62 South Front St., $11,000.

Oregon—Road—C. H. Purcell, dist. engr. Bureau Pub. Rds., Post Office Bldg., Portland, grading, etc. 7.16 mi. John Day Highway, to Jetley Bros., Burns, $68,049. Noted Aug. 6.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits.

Applications

625 — Jo. Reymolds Mining, Milling, Drainage, Tunnel & Transportation Co., Idaho Springs, Colo.—Wants license for 112 hp. development in Clear Creek, between Dumont and Lawson, Clear Creek Co.

626—N. J. Norman, St. George, Ga.—Wants preliminary permit 11 ft. dam, 2 mi. below Georgia, Southern and Florida railroad bridges, in St. Mary's River, Charlton, Georgia and Nassau Counties, Fla.

627—A. Johnson, Lakeside, Ariz.—Wants preliminary permit 15 ft. diversion dam, 1 mi. west Hess Creek, tributary of Salt River, Gila Co.

628—Central Missouri Power & Water Co., Interstate Bldg., 13 and Locust Sts., Kansas City, Mo.—Wants preliminary permit 2 dams, 64 and 140 ft. high, in Current River, Shannon and Carter Counties.

629—California—Oregon Power Co., San Francisco, Calif.—Wants license 3¾ mi. transmission line in Klamath Co., Ore.

630 — I. M. Butts, Eagle, Colo. — Wants license small power development, in Holy Cross Reservation.

631—H. G. Kumle and C. R. Kassabaum, La Grange, Calif.—Wants license 4 mi. transmission line in Yuba Co. Tahoe Natl. Forest.

Unclassified

PROPOSED WORK

Bulkhead, etc. — Nantucket, Mass. — See "Excavation, Drainage, Irrigation, Levees."

Transmission Lines — New York — Iroquois Gas Corp., Iroquois Bldg., Buffalo, plans transmission lines for carrying natural gas from producing natural gas wells in Wales and Holland to main distribution system. To exceed $50,000.

Electric Light Standards—Lackawanna, N. Y.—Soon takes bids electric light standards for Roland, Kirby and Gates Aves. $25,000. H. Lohr, City Hall, mayor.

Hydro-Electric Development—North Carolina and Virginia—Stone & Webster, J. H. Manning, genl. mgr. Eng. Div., c/o Virginia Ry. & Power Co., 7th and Franklin Sts., Richmond, Va., making preliminary surveys large power development linking power of James and Appomattox Rivers at Roanoke Rapids, N. C., and Petersburg, Va. $12,000,000.

Underpass—Atlanta, Ga.—Plans Bell St. underpass connecting south side with Decatur St., to replace wooden bridge. $125,000. W. A. Sims, mayor.

Sea Wall—Pascagoula, Miss.—Jackson Co. making preliminary plans 6.5 mi. rein.-con. seawall. $2,000,000.

Swimming Pool—Pass Christian, Miss.—See "Buildings—Commercial."

Gas Distribution System—Alexandria, La. —Election Aug. 27, $25,000 bonds, constructing gas distribution system.

Power Line Extension — Akron, O. — Northern Ohio Traction & Light Co., North Main St., plans extending power line to serve towns of Copley, Richfield, Aurora and Highland Springs. $100,000. A. C. Blinn, genl. mgr.

Land Development — Texas — C. F. C. Ladd, 515 Republic Bldg., Kansas City, Mo., purchased 100,000 acres land in Winter Garden Dists., in Webb and Dimmit Counties, to be known as Catarina, and having surveys made for canning factories, streets, waterworks, sewer systems, etc. $6,000,000. Private plans.

Gas Pipe Line—Texas—Seagraves & Moody Gas Co., Galveston, plans extending 70 mi. gas pipe line from Cole Gas field in Webb Co. to San Antonio pipe line in McMullen Co. $2,000,000. Work will probably be done by day labor. Private plans.

Power System — Fordwich, Ont. — Twp. Council plans to equip electric lighting and power system. C. E. Walker, Gorrie, clk.

BIDS DESIRED

Car Barn—Waterbury, Conn.—Aug. 31, by Connecticut Co., West Main St., 1 story, 205 x 367 ft., rein.-con., brick and steel, plain foundation, West Main St. $450,000. R. W. Foote, 285 Church St., New Haven, archt.

Breakwater—Bronxville, N. Y.—Sept. 8 (extended date), by Westchester Co. Park Comn., 72 West Pondfield Rd., excavating, grading and constructing breakwater at Glen Islands Park. J. Downer, ch. engr.; adv. E. N.-R. Aug. 27.

Subway—New York, N. Y.—Sept. 8, by Bd. Transportation, 49 Lafayette St., for Route 192 along 8th Ave. and Central Park W. from 58th to 68th Sts.

Fire Alarm System—New York—Sept. 1, by T. J. Drennan, fire comr., Municipal Bldg., New York City, portion of underground fire alarm system, in Long Island City and Astoria.

Wharves, Canada — Sept. 9, by S. E. O'Brien, secy, Dept. Pub. Wks., Ottawa, Ont., for wharf and approach at Honey Harbor, Muskoka Dist. $11,800; pilework wharf at Wolfville, Kings Co. N. S., $8,000; and wharf extensions at Malagash, Cumberland Co., N. S., $8,000.

BIDS RECEIVED

Jetty, etc.—Barnegat City, N. J.—State Bd. Commerce & Navigation, Trenton, Aug. 17, breakwater Jetty, in Barnegat Inlet, Ocean Co., here, from L. Selling, Broad St., Red Bank, $47,324; and timber jetty, from Wooley & Howland, 99 Atlantic Ave., Long Branch, $14,455. Noted July 30.

CONTRACTS AWARDED

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., tracks for Westchester Ave. Yard, to Slattery Eng. & Contg. Co., 10th Ave. and 43rd St., $113,881; alterations to railroad structure, Route 5, Sect. 8, Agreement "DY," to Pattelli & Wilson, $14,400. Noted July 30.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing Sect. 5, Route 78, under St. Nicholas Ave., to Rodgers & Hagerty, Inc., 583 Broome St., $4,300,000. Noted Aug. 6.

Subway—Phila., Pa.—H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., 6,303 ft. subway in Broad St. north of Courtland St., Contr. 107-A, and 1,749 ft. in Broad St. north of Chew Ave., Contr. 107-B, to Patrick McGovern, Inc., 50 East 42d Street, New York City, $11,498,032. Noted July 16.

Grand Stand, etc.—Birmingham, Ala.—Alabama State Fair Corp., 105 x 425 ft., rein.-con. grand stand, 10,250 seating capacity and cattle barns, to Holly & Davis, Ensley, approximately $190,000.

Stadium—Baton Rouge, La.—University of Louisiana, 3 additional units to concrete stadium, to Connor, Bryant & Bell, North Blvd., Baton Rouge, $29,500.

Subway—Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, subway on Route 11, Sect. 29-S, St. Clair Co., to Moore Bros. Constr. Co., East St. Louis, $24,792.

Culverts—Boone, Ia.—See "Streets and Roads."

Stadium—Lawrence, Kan.—University of Kansas, two 97¾ x 99¾ ft. additions, 2,500 seating capacity each, incl. dressing rooms, etc., to Senna Constr. Co., 1017 Kansas Ave., Topeka, $68,868. Noted Aug. 20.

Pipe Line—Oklahoma—Amer. Pipe Line Co., Bartlesville, 25 mi. 12 in. welded pipe line, etc., in Elk and Wilson Counties, to Connor & Son Constr. Co., 814 New York Life Bldg., Kansas City Mo. Engrs. ets. $500,000.

Culverts — Ontario — See "Streets and Roads."

Materials

BIDS DESIRED

Paving Blocks—Brooklyn, N. Y.—Sept. 2, by J. A. Guider, boro pres., Boro Hall, 75,000 Grade 1, standard 5 in. granite paving blocks.

Cement, etc.—New York, N. Y.—Sept. 3, by J. Miller, pres., Manhattan Boro, Municipal Bldg., 20,000 bags Portland Cement, 500 tons asphaltic joint filler, and 1,200 cu.yd. sand grit.

Granite — Montreal, Que. — Aug. 28, by Chairman Executive Com., City Hall, 25,000 to 125,000 granite for curbstone. H. A. Tetranet, City Hall, engr.

CONTRACTS AWARDED

Granite Paving Blocks—Boston, Mass.—Supply Dept., City Hall, 1,000,000 new granite paving blocks, to Pease Co., Nashua, N. H., $122.52 per M. Noted June 18.

Cast Iron Pipe—Dallas, Tex.—City, 200 tons c.i. pipe, to Natl. C. I. Pipe Co., Santa Fe Bldg., Dallas, $54 per ton.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Sept. 22

Gas and Water Pipe

Tallahassee, Fla.

Sealed proposals will be received by the City Auditor and Clerk of the City of Tallahassee until twelve o'clock noon of September 22, 1925, for the following pipe and fittings:

10,800 ft. of six-in. pipe (6-in.).
6,400 ft. of three-in. pipe (3-in.).
4,500 ft. of two-in. pipe (2-in.).
18 Crosses 6 x 6 x 6 x 6.
36 6-in. plugs.
21 Tees 6 x 6 x 6.
1 "Y" 6 x 6 x 6.
1 Tee 4 x 4 x 6.
2 Crosses 6 x 6 x 4 x 4.
1 Cross 4 x 4 x 4 x 4.
1 Reducer 6 x 4.
4 Three-in. Tees.
5 Three-in. Crosses.
1 Two-in. Cross.
4 Three-in. Valves.
2 Two-in. Valves.
11 Six-in. Gate Valves.
20 Six-in. Hydrants with steamer connections.

SPECIFICATIONS

Six-in. pipe to be Cast Iron; Universal or prepared joint, price per foot.

Two and three-in. pipe to be Cast Iron; plain ends suited for bronze welding. Prices are asked on this pipe per foot in the trench and tested to eighty pound pressure, the City to dig the trench and do the backfilling.

The six-in. fittings are to be the same material and joints as the pipe. State make of valves and hydrants.

The two and three-in. fittings are to be the same material as the joints and the pipe. Quantities are for estimated purposes.

Valves and hydrants may be submitted on separate bids.

The City reserves the right to reject any and all bids and award the contract as it may deem the best interest of the City.

Proposals will be marked "Sealed Proposals for Gas and Water Pipe."

By order of the City Commission, 18th day of August, 1925.

B. H. BRIDGES,
Auditor and Clerk.
WM. R. GALT,
City Manager.

Bids: Sept. 8

Construction of Garbage Incinerator

Lakeland, Fla.

Sealed proposals will be received by the City of Lakeland, Florida, until 8:00 p. m., September 8, 1925, for constructing garbage incinerator of guaranteed capacity of 20 tons in 10 hours.

Blank forms of proposal and specifications will be furnished prospective bidders. Plans for the same will be furnished by the bidder for his particular type of furnace.

Certified check for $5,000.00 is required with each bid and bond for the contract price will be required of the successful bidder, such bond to be a bond with reputable and responsible surety company as surety, written through their resident agent, and who has been their resident agent in the city of Lakeland for six months.

The city reserves the right to reject any and all bids.

CHARLES CARROLL BROWN,
City Engineer.

J. L. DAVIS,
City Clerk and Auditor.
ANTON SCHNEIDER,
City Manager.

OFFICIAL PROPOSALS

Bids: Sept. 10.

Roads and Bridges

VIRGINIA STATE HIGHWAY COMMISSION

Richmond, Va., August 20, 1925.

Sealed bids will be received at the Office of the State Highway Commission, State Office Bldg., Capitol Square, Richmond, Va.; until 10:00 A.M., Thursday, September 10th, 1925, for construction of:

Route Number	341	17	21
Project Number	F-316	S-391	F-408
County	Accomac	Bath	Page
Length in Miles	2.58	1.318	3.672
Type	Concrete	Grading	Bit. Macadam
Contractors will be shown over the work:	9 A.M., Sept. 1st, Accomac Hotel in Accomac, Va.	2:15 P.M., Sept. 3rd, C. & O. R. R. Sta., Goshen.	10 A.M., Sept. 2nd, Mansion Inn, Luray, Va.
ITEMS & APPROX. UNIT QUANTITIES			
Acres, Clear & Grubbing	0.34	2.27	0.08
Cu.Yds. Excavation	3,847	24,733	17,276
Cu.Yds. Borrow Excav.	1,662		860
Lin.Ft. Pipe	530	112.5	730
Cu.Yds. "A" Concrete		63.65	19.90
Cu.Yds. "B" Concrete	22.54	115.84	26.54
Lbs. reinforcing steel		4,765	1,162
Lin.Ft. Gd. Rail		3,584	3,072
Right of Way Monuments	32	32	82
Sq.Yds. Concrete Pavement	27,235		
Sq.Yds. Bit. Macadam			39,266
Cu.Yds. Rip Rap			30
BRIDGES OVER 20' SPAN			
Cu.Yds. "A" Concrete		269.4	51.8
Cu.Yds. "B" Concrete		48.3	165.6
Lbs. reinforcing steel		21,055	10,315
Local District Offices	Suffolk	Staunton	Staunton
Shipping Point	Parksley	Hotchkiss.	Luray
Railroad	N. Y. P. & N.	C. & O. spur line	N. & W.

Proposal guaranty to be certified check to the amount of $1,000.00. Plans and specifications are on file at Richmond Office, Richmond, Va., and at the local District Offices. Road plans for bidders may be obtained from Richmond Office upon receipt of $5.00 payable to H. G. Shirley, $2.50 of which will be refunded if plans are returned in good condition within two weeks after bids are opened. The State Highway Commission reserves the right to reject any or all bids.

(NOTE: Bridge plans included in the road plans.)

Bids: Sept. 16

Concrete Bridge, Etc.

Providence, R. I.

Sealed proposals for building the Hartford Pike Bridge; a reinforced concrete structure of three 13-foot spans, for replacing the wooden flashboards on top of the Regulating Dam with a concrete culvert and appurtenant work at the outlet of Harrisdale Pond, will be received at the office of the Water Supply Board, City Hall, Providence, R. I., until 2:30 p.m. Daylight Saving Time (1:30 p.m. Eastern Standard Time) on Wednesday, September 16, 1925, at which time and place they will be publicly opened and read.

The work is located at or near the village of North Scituate, R. I., about 11 miles west of Providence. The following are some of the principal estimated quantities: Earth Excavation, 1,500 cu.yds.; Refill and Embankment, 1,500 cu.yds.; Concrete, 435 cu.yds.; Reinforcing Steel, 10,000 lbs. Copies of the drawings and pamphlets containing information for bidders, form of proposal, contract, bond and specifications may be obtained from the Secretary of the Board, City Hall, or from the Chief Engineer, 661 Westminster St., Providence, R. I.

City of Providence, Water Supply Board.
B. THOMAS POTTER, Chairman.
FRANK E. WINSOR, Chief Engineer.
SAMUEL N. GRAMMONT, Secretary.

Bids: Sept. 3.

Power House Instruments

Thiells, N. Y.

Sealed proposals for Power House Instruments, Letchworth Village, Thiells, N. Y., will be received by Hon. Frank R. Utter, Superintendent of Purchase, Capitol, Albany, N. Y., until 2 o'clock p.m. (Eastern Standard Time), on Thursday, September 3, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4096. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Letchworth Village, Thiells, N. Y., at the New York Office of the Department of Architecture, 18th Floor, Fuller Building, Broadway & 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y.

Dated: August 10, 1925.

CONSTRUCTION NEWS

Engineering News-Record, Sept. 3, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Church, Hospital, etc. New York, N. Y., Realty Sureties, Inc., having plans prepared, $14,000,000.

Theatre, New York, N. Y., H. Huritz, Archt. prepared plans, $6,000,000.

Hospital, Cleveland, O. City plans building, $1,500,000.

Apartment, New York, N. Y., Twenty Six East Seventy Six St. Corp., having plans prepared, $1,500,000.

Apartment, San Antonio, Tex., Syndicate having preliminary plans prepared, $1,500,000.

Warehouse, Pittsburgh, Pa., H. J. Heinz Co. having plans prepared, $1,500,000.

Apartment, New York, N. Y., J. I. Walsh plans building, $1,200,000.

Memorial, Madison, Wis., Memorial Union Com. having plans prepared, $1,100,000.

Church, Los Angeles, Calif., Immanuel Presbyterian Church, having plans prepared, $1,000,000.

Bids Wanted On Big Jobs

Telephone building, Cleveland, O., Sept. 22 by Hubbell & Benes, Archt. for Ohio Bell Telephone Co., $4,000,000.

Office, Sept. 9, Philadelphia, Pa., by E. B. Temple, Asst. Ch. Engr. Pennsylvania R.R. system, $3,300,000.

Police headquarters, Chicago, Ill., Coms. Pub. Wks. takes bids about Dec. 1, $2,500,000.

High School, Sept. 10, Pittsburgh, Pa., by Bd. Educ., $2,000,000.

Museum, Sept. 15, Buffalo, N. Y., Com. Parks & Buildings, $1,000,000.

Apartment Hotel, Sept. 10, Tulsa, Okla., by Shepard & Wiser, Archts., $1,000,000.

Large Contracts Let During Week

Harbor development, Hollywood, Fla., Hollywood Development & Harbor Co., work will be done by company forces, $15,000,000.

Office, New York, N. Y., Fred F. French will build, $10,000,000.

Store and Theatre, Atlanta, Ga., A. G. Candler, Jr., to Starrett Bros., New York, N. Y., $6,000,000.

Hotel, Boston, Mass., Statler Hotel Co. to Dwight P. Robinson, Inc., New York City, $4,000,000.

Power Plant, Pine Grove, Pa., Pennsylvania Power & Light Co. to Phoenix Utility Co., $3,600,000.

Shops, St. Augustine, Fla., Florida East Coast R.R. to Foundation Co., Atlanta, Ga., $3,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Sept. 8	Toronto, Ont.	Aug. 6
Sept. 8	Cap-de-la-Madeline, Que.	Aug. 27
Sept. 8	Fort Contonge, Que.	Aug. 27
Sept. 8	Detroit, Mich.	Aug. 27
Sept. 8	Phila., Pa.	Sept. 3
Sept. 8	Gulfport, Miss.	Sept. 3
Sept. 8	Brooklyn, N. Y.	Sept. 3
Sept. 9	Cleveland, O.	Sept. 3
Sept. 10	Mundelein, Ill.	Aug. 13
Sept. 14	Coraopolis, Pa. Adv. Sept. 3.	Sept. 3
Sept. 14	Pennington, N. J.	Sept. 3
Sept. 15	Needles, Calif.	July 23
Sept. 15	Detroit, Mich.	Aug. 27
Sept. 16	New York, N. Y.	Aug. 13
Sept. 18	Isala, Miss.	Aug. 27
Sept. 21	Masontown, Pa. Adv. Sept. 3.	Sept. 3
Sept. 22	Tallahassee, Fla. Adv. Aug. 27 and Sept. 3.	Aug. 27
Sept. 22	Youngstown, O.	Aug. 27
	SEWERS	
Sept. 8	Punta Gorda, Fla. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 8	Coraopolis, Pa.	Aug. 27
Sept. 8	Providence, R. I.	Sept. 3
Sept. 8	Dunbar, W. Va.	Sept. 3
Sept. 8	Wheaton, Ill. Adv. Sept. 3.	Sept. 3
Sept. 8	Manitowoc, Wis.	Sept. 3
Sept. 8	Boston, Mass.	Sept. 3
Sept. 8	Long Island City, N. Y.	Sept. 3
Sept. 9	Cleveland, O.	Sept. 3
Sept. 9	Boston, Mass.	Sept. 3
Sept. 10	Boston, Mass.	Sept. 3
Sept. 10	Long Island City, N. Y.	Sept. 3
Sept. 10	Juaniata, Pa.	Aug. 27
Sept. 14	Berea, O. Adv. Aug. 27 and Sept. 3.	Aug. 27
Sept. 14	Detroit, Mich.	Sept. 3
Sept. 14	Plymouth, Mich.	Sept. 3
Sept. 15	Libertyville, Ill.	Aug. 13
Sept. 15	Tampa, Fla.	Sept. 3
Sept. 17	Taylorville, Ill. Adv. Sept. 3.	Sept. 3
Sept. 18	Lincoln Park, Mich.	Sept. 3
Sept. 23	Grand Rapids, Mich. Adv. Sept. 3.	Sept. 3
Sept. 25	Louisville, Ky. Adv. Sept. 3.	Sept. 3
Oct. 6	Lynn, Mass. Adv. Sept. 3.	Sept. 3
	WASTE DISPOSAL	
Sept. 8	Lakeland, Fla. Adv. Aug. 13 to Sept. 3.	Aug. 13
Sept. 8	Long Island City, N. Y.	Sept. 3
Sept. 9	Eastchester (Greycourt P. O.) N. Y. Adv. Aug. 27 and Sept. 3.	Aug. 27
	BRIDGES	
Sept. 7	Fayette, Tex.	Aug. 27
Sept. 7	Belhaven, N. C.	Sept. 3
Sept. 9	Phila., Pa.	Sept. 3
Sept. 9	Montreal, Que.	Aug. 20
Sept. 9	Michigan	Aug. 27
Sept. 10	Louisiana	Aug. 20
Sept. 10	Louisiana	Aug. 27
Sept. 10	Mannington, W. Va.	Aug. 27
Sept. 10	Williamsport, Pa.	Aug. 27
Sept. 11	South Carolina	Aug. 27
Sept. 11	Dayton, O.	Aug. 27
Sept. 14	Pennsylvania Adv. Aug. 20 to Sept. 3.	Aug. 27
Sept. 14	Chester, Pa. Adv. Aug. 20 to Sept. 3.	Aug. 27
Sept. 14	Anderson, Tex.	Sept. 3
Sept. 15	Washington	Aug. 27
Sept. 16	Providence, R. I.	Aug. 27
Sept. 23	Roach, W. Va. Adv. Sept. 3.	Sept. 3
Sept. 25	Cincinnati, O.	Sept. 3
Oct. 1	New Braunfels, Tex.	Aug. 27
	DAMS	
Sept. 21	Streator, Ill. Adv. Sept. 3.	Sept. 3
Oct. 12	Los Angeles, Calif.	Aug. 20
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
Sept. 8	Ontario	Aug. 27
Sept. 8	Pittsfield, Ill.	Sept. 3
Sept. 9	Crete, Ill.	Sept. 3
Sept. 10	Falmouth, Mass.	Sept. 3
Sept. 12	Texas	July 23
Sept. 22	Welland, Ont.	Aug. 27
Sept. 22	Edinburg, Tex. Adv. Aug. 20 to Sept. 3.	Aug. 27
Sept. 25	Thomson, N. Y. Adv. Sept. 3.	Sept. 3
	STREETS AND ROADS	
Sept. 4	Akron, O.	Aug. 27
Sept. 4	New York Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 4	New Hampshire	Sept. 3
Sept. 5	Maryland	Aug. 27
Sept. 7	Ocean City, N. J. Adv. Aug. 27 and Sept. 3.	Aug. 27
Sept. 7	Sarasota, Fla. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 7	Newport, Ind.	Aug. 27
Sept. 7	Warsaw, Ind.	Aug. 27
Sept. 7	Rushville, Ind.	Aug. 27
Sept. 7	Williamsport, Ind.	Aug. 27
Sept. 7	Tavares, Fla.	Sept. 3
Sept. 7	Clearwater, Fla.	Sept. 3
Sept. 8	Riverside, Ill.	Sept. 3
Sept. 8	Rulo, Neb.	Sept. 3
Sept. 8	Wallingford, Conn. Adv. Sept. 3.	Sept. 3
Sept. 8	Tampa, Fla.	Sept. 3
Sept. 8	Labelle, Fla.	Aug. 20
Sept. 8	Valley City, N. D.	Aug. 20
Sept. 8	White Plains, N. Y. Adv. Aug. 20 to Sept. 3.	Aug. 27
Sept. 8	Gulfport, Miss.	Aug. 27
Sept. 8	Michigan	Aug. 27
Sept. 8	Euclid, O.	Aug. 27
Sept. 8	Columbus, O.	Aug. 27
Sept. 8	Plymouth, Ind.	Aug. 27
Sept. 8	Rulo, Neb.	Aug. 27
Sept. 8	Lafayette, La.	Aug. 27
Sept. 8	Wheaton, Ill.	Sept. 3
Sept. 8	Princeton, N. J.	Sept. 3
Sept. 8	Maple Heights (mail Cleveland), O.	Sept. 3
Sept. 8	New Brunswick, N. J.	Sept. 3
Sept. 9	Long Island City, N. Y.	Sept. 3
Sept. 9	Brooklyn, N. Y.	Sept. 3
Sept. 9	Freehold, N. J. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 9	Mount Holly, N. C.	Aug. 27
Sept. 9	Columbia City, Ind.	Sept. 3
Sept. 9	Knox, Ind.	Sept. 3
Sept. 9	Pittsburgh, Pa.	Sept. 3
Sept. 9	Wisconsin	Sept. 3
Sept. 10	Virginia	Sept. 3
Sept. 10	Louisiana	Aug. 20
Sept. 10	Wayne, W. Va.	Aug. 27
Sept. 10	Valparaiso, Ind.	Aug. 27
Sept. 10	Louisiana	Aug. 27
Sept. 10	North Dakota	Sept. 3
Sept. 10	Cincinnati, O.	Sept. 3
Sept. 11	Peru, Ind.	Sept. 3
Sept. 11	Logansport, Ind.	Sept. 3
Sept. 11	San Antonio, Tex.	Aug. 27
Sept. 11	Texas	Sept. 3
Sept. 11	Barstow, Tex.	Sept. 3
Sept. 11	Guthrie, Okla.	Sept. 3
Sept. 11	Louisiana, Mo.	Sept. 3
Sept. 12	Cleveland, O.	Sept. 3
Sept. 14	San Diego, Calif.	Sept. 3
Sept. 14	California	Sept. 3
Sept. 14	Hackettstown, N. J. Adv. Sept. 3.	Sept. 3
Sept. 14	New Jersey Adv. Aug. 27 and Sept. 3.	Aug. 27
Sept. 14	Greenville, Miss.	Sept. 3
Sept. 15	Monticello, Fla.	Sept. 3
Sept. 15	St. Louis, Mo.	Aug. 20
Sept. 15	Louisiana	Aug. 27
Sept. 15	Albert Lea, Minn.	Aug. 27
Sept. 15	Washington	Aug. 27
Sept. 15	Washington	Sept. 3
Sept. 16	Delaware Adv. Sept. 3.	Sept. 3
Sept. 17	San Diego, Tex.	Sept. 3
Sept. 17	Kansas City, Mo.	Sept. 3
Sept. 17	Kansas City, Kan.	Sept. 3
Sept. 17	San Diego, Tex.	Sept. 3
Sept. 18	North Dakota	Sept. 3
Sept. 19	New Albany, Ind.	Sept. 3
Sept. 21	Little Silver, N. J. Adv. Sept. 3.	Sept. 3

Bids Close		See Eng. News-Record
Sept. 21	Kentucky	Aug. 27
Sept. 22	New Orleans, La.	July 2
Sept. 22	Edinburg, Tex.	Aug. 20
Sept. 22	Pennsylvania Adv. Sept. 3.	Sept. 3
Sept. 23	Elizabeth City, N. C. Adv. Sept. 3.	Sept. 3
Sept. 24	New Orleans, La.	July 2
Sept. 24	Lyndon, Kan.	Sept. 3
Sept. 24	Mount Doro, Fla.	Sept. 3
Sept. 24	Louisiana	Sept. 3
Sept. 25	Oskaloosa, Kan.	Sept. 3

BUILDINGS—INDUSTRIAL

Sept. 4	Atlantic City, N. J.	Sept. 3
Sept. 10	Phila., Pa.	Aug. 27
Sept. 10	Chicago, Ill.	Aug. 27
Sept. 14	Baltimore, Md.	Sept. 3
Oct. 13	Durban, South Africa	July 30

BUILDINGS—COMMERCIAL

Sept. 4	Norwood, Mass.	Sept. 3
Sept. 5	Chicago, Ill.	Sept. 3
Sept. 7	Brooklyn, N. Y.	Aug. 20
Sept. 7	North Milwaukee (Milwaukee P. O.), Wis.	Sept. 3
Sept. 8	Rutherfordton, N. C.	Aug. 27
Sept. 8	Phila., Pa.	Sept. 3
Sept. 9	Phila., Pa.	Sept. 3
Sept. 10	Milwaukee, Wis.	Sept. 3
Sept. 10	Tulsa, Okla.	Sept. 3
Sept. 10	Nashville, Tenn.	Sept. 3
Sept. 10	Atlantic City, N. J.	Aug. 27
Sept. 12	Biloxi, Miss.	Sept. 3
Sept. 14	Phila., Pa.	Sept. 3
Sept. 15	Chicago, Ill.	Aug. 20
Sept. 15	St. Louis, Mo.	Aug. 27
Sept. 15	Chicago, Ill.	Aug. 27
Sept. 15	Miami, Fla.	Sept. 3
Sept. 16	Wingdale, N. Y. Adv. Aug. 20 to Sept. 3.	Aug. 27
Sept. 17	St. Joseph, Mo.	Sept. 3
Sept. 22	Cleveland, O.	Sept. 3
Oct. 6	Labelle, Fla. Adv. Aug. 20 to Sept. 3.	Aug. 20
Oct. 12	Breckenridge, Tex.	Sept. 3
Nov. 15	Aurora, Ill.	Aug. 27

BUILDINGS—EDUCATIONAL, RELIGIOUS

Sept. 4	St. Urbain, Que.	Sept. 3
Sept. 7	Clinton, N. C.	Aug. 27
Sept. 8	Phila., Pa.	Aug. 27
Sept. 8	Milwaukee, Wis.	Sept. 3
Sept. 8	Allentown, Pa.	Sept. 3
Sept. 8	Haverford, Pa.	Sept. 3
Sept. 8	Montreal, Wis.	Sept. 3
Sept. 8	Albany, N. Y.	Sept. 3
Sept. 8	Lyndonville, N. Y.	Sept. 3
Sept. 9	Lakewood, O.	Sept. 3
Sept. 9	Urbana, Ill.	Sept. 3
Sept. 9	Baltimore, Md.	Aug. 27
Sept. 9	Wausau, Wis.	Aug. 27
Sept. 10	Oshkosh, Wis.	Sept. 3
Sept. 10	Pittsburgh, Pa.	Sept. 3
Sept. 11	Rockford, Ill.	Aug. 27
Sept. 12	Phila., Pa.	Sept. 3
Sept. 14	New Bedford, Mass.	Aug. 27
Sept. 15	Buffalo, N. Y.	Sept. 3
Sept. 20	Jackson, Mich.	Aug. 27
Sept. 22	Marshalltown, Ia.	Sept. 3
Sept. 29	Cleveland, O.	Sept. 3
Sept. 30	Virginia, Minn.	Aug. 20

FEDERAL GOVERNMENT WORK

Sept. 4	Dredging—Newark, N. J.	Aug. 6
Sept. 4	Suction Pipe—Norfolk, Va.	Aug. 27
Sept. 4	Dredging—Norfolk, Va.	Aug. 27
Sept. 8	Roof—Florence, Ala. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 8	Alterations—Pittsburgh, Pa.	Aug. 27
Sept. 8	Wire—Boston, Mass.	Sept. 3
Sept. 10	Paving—Florence, Ala. Adv. Aug. 13 to Sept. 3.	Aug. 20
Sept. 10	Dredging—Providence, R. I. Adv. Aug. 27 and Sept. 3.	Aug. 27
Sept. 11	Remodeling—Tampa, Fla. Adv. Sept. 3.	Sept. 3
Sept. 12	Dredging, etc.—Galveston, Tex. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 14	Dredging—New York, N. Y. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 15	Kitchen and Mess Building—Perry Point, Md. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 15	Dredging—Mobile, Ala. Adv. Aug. 20 to Sept. 3.	Aug. 20
Sept. 15	Piers—Boston, Mass.	Sept. 3
Sept. 16	Paving—Phila., Pa.	Aug. 20
Sept. 18	Remodeling—Savannah, Ga.	Aug. 27
Sept. 21	Barges—St. Louis, Mo.	Aug. 27
Sept. 22	Filtration Plant—Wash., D. C. Adv. Aug. 27 and Sept. 3.	Aug. 27
Sept. 22	Post Office—Sandusky, O.	Aug. 20
Sept. 23	Painting—St. Paul, Minn. Adv. Sept. 3.	Sept. 3
Sept. 24	Remodeling—Holyoke, Mass. Adv. Sept. 3.	Sept. 3
Sept. 24	Air Compressor—Florence, Ala. Adv. Aug. 27 and Sept. 3.	Aug. 27
Sept. 24	Dredging—New York, N. Y.	Sept. 3
Sept. 25	Post Office—Comanche, Tex. Adv. Aug. 27 and Sept. 3	Aug. 27
Sept. 25	Tender—Wash., D. C.	Aug. 27
Sept. 25	Hydraulic Dredge—Norfolk, Va. Adv. Aug. 27 and Sept. 3.	Sept. 3
Sept. 30	Quarters, etc.—Sacket Harbor, N. Y. Adv. Sept. 3.	Sept. 3
Sept. 30	Quarters—Oceanport, N. J. Adv. Sept. 3.	Sept. 3
Oct. 2	Dredging—Stamford, Conn. Adv. Sept. 3.	Sept. 3

UNCLASSIFIED

Sept. 8	Breakwater—Bronxville, N. Y.	Aug. 27
Sept. 8	Ventilation Fans—New York, N. Y.	Aug. 6
Sept. 8	Subway—New York, N. Y.	Aug. 27
Sept. 8	Borings—Philadelphia, Pa.	Sept. 3
Sept. 8	Traffic Signals—Shreveport, La.	Sept. 3
Sept. 9	Wharf—Canada	Aug. 27
Sept. 10	Air Compressor—Esquimalt, B. C.	Sept. 3
Sept. 11	Grand Stand—York, Pa.	Sept. 3
Sept. 11	Oil Burning System—New York, N. Y.	Sept. 3
Sept. 11	Special Work—Brooklyn, N. Y.	Sept. 3
Sept. 11	Jetty, etc.—Ottawa, Ont.	Sept. 3
Sept. 15	Breakwater, etc.—Canada	Sept. 3
Sept. 15	Heating and Ventilating—Waltham, Mass.	Sept. 3
Sept. 17	Wiring, etc.—Buffalo, N. Y.	Sept. 3
Sept. 17	Breakwater—Grand Harbor, N. B.	Sept. 3
Sept. 21	Transformers—Melbourne, Australia	Aug. 6
Sept. 25	Subway—Wash., D. C. Adv. Sept. 3.	Sept. 3
Sept. 29	Towers—Wellington, New Zealand	Aug. 6
Oct. 1	Foundation—Madison, Wis.	July 30

MATERIALS

Sept. 29	Pipe—Long Beach, Calif.	Sept 3
Oct. 10	Wire—Melbourne, Australia	Aug. 20
Oct. 13	Insulation Strings—Wellington, New Zealand	Aug. 6
Oct. 20	Telephone Cable—Melbourne, Australia	Aug. 20
Nov. 9	Cable—Melbourne, Australia	Aug. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Fla., St. Petersburg — Election Sept. 8, $86,000 bonds, water plant, etc., and $964,000 bonds water distribution. S. S. Martin, dir. Finance.

Fla., Tarpon Springs — Voted $525,000 bonds of which $400,000 to be used for waterworks. C. E. Burleson, Clearwater, engr.

Miss., Long Beach—Bd. Aldermen and J. J. Bailey, mayor, retained Swanson McGraw Co., Inc., consult. engrs., United Fruit Bldg., New Orleans, La., to prepare plan waterworks, incl. 9½ mi. pipe, etc. $75,000.

La., Welsh—Plans to issue $60,000 bonds, waterworks. J. W. Armstrong, mayor.

Tenn., Dickson—Election Sept. 15, $25,000 bonds, extending mains in various streets.

Mich., Birmingham—Quarton Lake Estates made plans 13,500 ft. 6- to 8-in. c.i. mains 11,000 ft. 8- to 15-in. sanitary sewers, and 140,000 sq.ft. concrete sidewalks, etc., on various streets. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Mich., Norway—Plans artesian well with electric pumps. To exceed $15,000. Engineer not selected. J. Gee, city clk.

Ill., San Jose—Soon takes bids waterworks improvements, incl. mains, etc., in various streets. $27,000 bonds voted. Kinsey Eng. Co., Arcade Bldg., Pekin, engrs. Noted Aug. 6.

Kan., Coffeyville—Making plans waterworks improvements. To exceed $15,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Kan., Lenexa—Making preliminary plans new waterworks. To exceed $15,000. Shockley Eng. Co., 800 Graphic Art Bldg., Kansas City, Mo., engrs.

Neb., McCook—Defeated $68,596 bonds for distribution system extension and waterworks improvements. Noted Aug. 26.

Mo., Craig—R. Nauman, city clk., making preliminary plans water works and distribution system. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Mo., Malden—Voted $50,000 bonds, waterworks and electric improvements. F. L. Wilcox, 924 Chemical Bldg., St. Louis, consult. engr. Noted July 16.

Mo., Mansfield—Election Sept. 5, $37,000 bonds waterworks and distribution system. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs. Noted Jan. 8.

Mo., Savannah—Election Sept. 15, $60,000 bonds, purification plant and improving reservoir, etc. J. W. Shikles & Co., New York Life Bldg., Kansas City, engrs.

Tex., Anson—Voted $30,000 bonds, waterworks improvements, additional mains, etc. in various streets. Address Mayor.

Tex., Copperas Cove—Voted $30,000 bonds waterworks, incl. tank, towers, etc. W. P. Gibson, mayor.

Tex., Florence—Plans new waterworks. $31,000. O. B. Atkinson, mayor.

Tex., Frost—Voted $65,000 bonds purchasing present waterworks plant and constructing mains, etc. H. B. McAllister, Waco, engr.

Tex., Hubbard—Voted $75,000 bonds purchasing present waterworks plant and enlarging same. Address, Mayor.

Tex., Mabank—Making plans waterworks. $60,000. Municipal Engineering Co., Praetorian Bldg., Dallas, engrs.

Tex., Mexia — Making plans extending mains, etc. in various streets. $25,000. R. D. Morgan, Mexia, engr. Noted Aug. 27.

Okla., Altus—Making surveys improving waterworks, incl. 18 mi. mains, reservoir addition, etc. Benham Eng. Co., 512 Gumble Bldg., Kansas City, Mo., engrs. Noted May 14.

Okla., Muskogee—Defeated $225,000 bonds, new filtration plant. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Aug. 20.

Okla., Talihina — Making plans waterworks improvements, incl. new well, pump, mains, etc. $16,000. W. Cooper, mayor. Engineer not selected.

Wash., Prosser—Plans election $125,000 bonds, for 30,000 gal. reservoir and new water system.

Wash., Seattle—Bd. Pub. Wks. rejected bids Aug. 15, mains in Hinds St. et al. $160,181. Noted Aug. 27.

BIDS DESIRED

Conn., Wallingford—Taking bids filtration plant. $60,000. W. A. McKenzie, city engr. Noted Aug. 7.

N. Y., Brooklyn—Sept. 8, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City water mains, etc. in Ocean Parkway, Kings Highway and Ave. I, here.

N. J., Pennington—Sept. 14, by Boro Council, 60,000 gal. water storage tank. H. J. Laning, Pennington, engr.

Pa., Coraopolis—Sept. 14, by E. E. Lothrop, boro mgr., 1018 5th Ave., c.i. pipe and special castings; adv. E. N.-R. Sept. 3.

Pa., Masontown—Sept. 21, by Boro Council, Boro Hall, improving and extending waterworks. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, engrs.; adv. E. N.-R. Sept. 3.

Pa., Phila.—Sept. 8, by Dept. Pub. Wks., Bureau of Water, 2,800 lin.ft. 36 in. each c.i. and steel mains, etc. in Chelton St., Contr. 764; one Shippley derrick on roof Contr. 771, railroad siding Contr. 772, and 1,100 tons filter sand and 1,000 tons filter gravel, Contr. 773, at Towesdale filter plant; and one hundred each 3- and 4-in. valves, Contr. 774.

Miss., Gulfport—Sept. 8, by C. J. Darby, supt. Schools, alternate bids on deep well with guaranteed flow 18 in. above ground also unit process on same 3 in. diam. 40 ft. strainer, 2 joints of galvanized iron pipe at top of ground, for Dedeaux Consolidated School of Harrison Co.

O., Cleveland—Sept. 9, by Com. Cuyahoga Co., 2,700 ft. 8- to 12-in. c.i. mains in Elm and Columbia Rds., Impvt. 752. $15,000. F. Williams, Court House, engr.

O., Maple Heights (mail Cleveland)—See "Streets and Roads."

BIDS RECEIVED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Aug. 28, mains, etc., in Alabama, Atlantic, Hegeman, Jerome, Nostrand, Porter, 7th and 8th Aves., In-

Waterworks (Continued)

graham and Sackman Sts., from Norton & Rigney, $13,000. Noted Aug. 20.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Aug. 28, pumping and generating plant in New Clove Pumping Sta., here, from Fox Reynolds Co., Inc., 81 East 125th St., New York City, $99,-800; masonry work from Wiglan Building Co., 145 West 45th St., New York City, $40,555. Noted Aug. 13.

CONTRACTS AWARDED

Mass., East Bridgewater — Bd. Water Comrs., Town Hall, furnishing about 6,552 ft. 12 in. c.i. pipe f.o.b. here, to U. S. Cast Iron Pipe & Fdry. Co., 71 Bway., New York City. $53 per ton, also laying pipe in various streets, to G. Ferullo, 31 North Sq., Boston. Noted Aug. 6.

Ill., Fairfield—City, pumping station and equipment, filtration plant, intake, 7 mi. 10 in. pipe line to Little Wabash River, etc., to G. L. Dunbar, 3701-A, Wyoming St., St. Louis, Mo., $137,500. Noted Aug. 13.

Ill., Herrin—Waterworks, incl. reservoir, pumping equipment, force and distribution mains, to McElligott Constr. Co., Evanston, $640,000.

Minn., Fairmont — H. J. White, secy. Water & Light Comn., furnishing about 6,373 ft. 6- to 16-in. c.i. mains and 8 tons fittings, to U. S. Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis, $19,-125; and installing same in various streets, to J. W. Turner Impvt. Co., 309 Youngerman Bldg., Des Moines, Ia., $6,985. Noted Aug. 6.

Minn., Minneapolis—F. S. Gram, city purch. agt., alum handling equipment for new filter plant (now under construction), at Fridley, to Dust Recovery & Conveying Co., 2130 St. Clair Ave., Cleveland, O., $13,250. Noted July 16.

Minn., Paynesville—J. F. Chisholm, village clk., extending 8,500 lin.ft. 4- to 8-in. c.i. mains, etc. in various streets, to K. C. Richards, Paynesville. Noted July 16.

Okla., Elk City — City, new waterworks, incl. dam spillway, filter plant, pumping station, pipe lines, tank, transmission line, valves, hydrants, filter equipment, etc., to Standard Paving Co., 1742 East 16th St., Tulsa, $289,088. Engrs. est. $336,000. Noted July 16.

Okla., Idabel—City, waterworks improvements, incl. new filter plant, pumps, motors, filter equipment, Diesel oil engine, meters, generator, and transmission line to Rover pumping station, to G. M. Brown, 6th and Peoria Sts., McAlester, $45,570. Engrs. est. $50,000. Noted Aug. 6.

Que., Montreal — For 4 ft mains from pumping station to Berri St., to Atlas Constr. Co., Belmont St., $470,580.

Sewers

PROPOSED WORK

Mass., Lynn—Plans outfall sewer in Lynn Harbor. $25,000 or more. Comn. on Ways & Drainage, City Hall, engr.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., rejected bids, Aug. 20, sewer in College Ave. Noted Aug. 27 under "Streets and Roads."

N. J., Metuchen—Plans 8 in. vitr. sewer in 18 various streets, $50,000. E. A. Burroughs, city clk.

Fla., St. Petersburg — Election Sept. 8, $365,000 bonds, sewage disposal plant, and $443,000 bonds for storm sewers and catch basins. S. S. Martin, dir. Finance.

Tenn., Dickson—Election Sept. 15, $100,-000 bonds, sewers in various streets.

O., Barberton—Plans extending East Side sanitary and storm sewers. $30,000. H. Alcorn, Barberton, engr.

O., Kenmore—Plans sanitary sewer laterals to connect with proposed trunk sewer, $120,000; also sanitary trunk lines connecting with Akron Line at Summit Lake territory, $360,000. D. P. Dowling, Kemore, engr.

Ia., Des Moines—Takes bids in October 19,786 ft. 10- to 24-in. vitr. clay sewers, 40 cast iron manholes, 22 junction holes, etc. in Beaver Ave. Sewer Dist. K. C. Kostberg, city engr. Noted March 27.

Ill., Joliet—See "Unclassified."

Tex., Abilene—Voted $50,000 bonds, disposal plant and extending present system. Jno. B. Hawley, Cotton Exch. Bldg., Fort Worth, engr. Noted July 23.

Tex., Anson—Voted $30,000 bonds improving sewers, additional mains, etc. in various streets. Address Mayor.

Tex., El Campo—Election Sept. 12, $60,-000 bonds, sewers in various streets. B. D. King, El Campo, engr.

Tex., Houston—Soon takes bids storm sewers in Texas Ave. from Fannin to Austin Sts. J. C. McVea, city engr.

Okla., Kingfisher—Making preliminary plans new outfall sewage disposal plant and sewers in various streets. $30,000. W. Ash, city comr. Engineer not selected.

BIDS DESIRED

Mass., Boston—Sept. 8, by Dept. Pub. Wks., Boston, sewerage works in various streets in West Roxbury; Sept. 9, in East Boston; and Sept. 10, in Brighton. $25,000. J. A. Rourke, comr.

Mass., Lynn—Oct. 6 (extended date), by Comn. on Ways & Drainage., at office Purchasing Agent and City Engineer, City Hall, 60 in. c.i. outfall sewer in Lynn Harbor. Morris Knowles, Inc., engrs.; adv. E. N.-R. Sept. 3. Noted Aug. 27.

R. I., Providence—Sept. 8, by Bd. Contr. & Supply, sewerage works in various streets. $25,000. J. H. Gainer, chn.

N. Y., Long Island City—Sept. 8, by M. E. Connolly pres. Queens Boro, Queens Subway Bldg., sewers, etc. Utopia Parkway, Sanford and 35th Aves., 157th and 172nd Sts., 3rd Ward; in Middagh St., Queens and Laurel Hill Blvds., Metz and Sinclair Aves., 2nd Ward.

N. Y., Long Island City—Sept. 10, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers, etc. in Monteverde Ave. about 200 ft. south of Falkner St., and temporary connection to existing sewer, and in 37th St. (Junction Ave.) to point about 470 ft. south of center line of Patterson Ave., 2nd Ward; sewers in 170th St., 3rd Ward, and in Chichester Ave., 4th Ward.

W. Va., Dunbar—Sept. 8, by W. T. Moore, mayor, Project 1, 21,326 ft. 6- to 30-in. pipe sewer, 16 manholes, etc.; Project 2, 3,110 ft. 8 in. pipe sewer, Project 3, 5,818 ft. 6- to 18-in. pipe sewer, 8 manholes, etc.; Project 4, 2,540 ft. 6- to 15-in. pipe sewers, 3 manholes, etc., Project 5, 2,005 ft. 8 and 12 in. pipe sewer, etc.; Project 6, 2,238 ft. 6 and 12 in. pipe sewer, 3 manholes, etc.; and Project 7,416 ft. 8 in. pipe sewer. O. L. Williams, city clk.

N. C., Elizabeth City — Sept. 23, by Utilities Comm., Mayor and Bd. Aldermen, Chamber of Commerce, storm drain ge lines and sanitary sewerage system in Zones 1 and 3, incl. two rein.-con. pumping stations, etc. W. C. Olsen, consult. engr. adv.; E. N.-R. Sept. 3.

Fla., Tampa — Sept. 15, by City, W. L. Brown, city mgr., 17,000 lin.ft. 8 and 10 in. vitr. and 2,000 ft. 12 in. c.i. sewers in Sects. 22 and 23. $25,000. R. D. Martin, City Hall, engr.

Ky., Louisville — Sept. 25, by Commissioner of Sewerage, Board Trade Bldg., 3rd and Main Sts., for Shelby St.-Fetter Ave. Sewer, Contr. 21. J. B. F. Breed, ch. engr.; adv. E. N.-R. Sept. 3.

O., Cleveland—Sept. 9, by Comrs. Cuyahoga Co., 6,700 ft. 8 and 54 in. concrete or segmental sewers in Columbia, Elm, Grace and Mastrick Rds., Impvt. 700. To exceed $25,000. F. Williams, Court House, engr.

O., Maple Heights (mail Cleveland)—See "Streets and Road."

Mich., Detroit—Sept. 14, by G. A. Dingman, engr., Wayne Co. Bldg., Detroit, 15,-766 ft. head drain, 2 ft. bottom width, 2.57 to 4.25 ft. deep, for Wayne Co.

Mich., Grand Rapids—Sept. 23, by Director Pub. Serv. Comn., Room, City Hall, constructing Bway. Ave. Relief Sewer, Contr. R-3. F. H. Locke, city mgr.; adv. E. N.-R. Sept. 3.

Mich., Lincoln Park—Sept. 18, by Wayne Co. Drain Commissioner, Detroit, constructing 18 sections Snow Drain in Ecorse Twp., 2,065 ft. 72 in., 1,112 ft. 60 in., 905 ft. 54 in., and 823 ft. 48 in. monolithic concrete; 2,792 ft. 24 in. vitr. crock, 3,312 ft. 18 in. and 2,656 ft. 15 in. crock pipe. G. A. Dingman, County Bldg., Detroit, engr.

Mich., Plymouth — Sept. 14, by S. D. Strong, village mgr., sewer across Rouge River, and sewage treatment plant. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Wheaton—Sept. 8, by Sanitary Dist. of Wheaton, sewer pipe, manholes, etc. A. L. Webster, Wheaton, ch. engr. Avord, Burdick & Howson, Hartford Bldg., Chicago, consult. engrs.; adv. E. N.-R. Sept. 3.

Ill., Taylorville—Sept. 17, by Bd. Trustees Taylorville Sanitary Dist. outfall sewer and sewage treatment plant. Kelker, De Leuw & Co., 111 West Washington St., Chicago, consult. engrs.; adv. E. N.-R. Sept. 3.

Wis., Manitowoc—Sept. 8, by A. H. Zander, city clk., 2,501 ft. 8- to 15-in. storm and 8,395 ft. 8- and 10-in. sanitary sewers, etc. in various streets. To exceed $25,000. F. Alter, City Hall, engr. Noted Apr. 24.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, Boro pres., Boro Hall, Aug. 26, sewers in 60th St., from C. F. Vacharas, 645 40th St., $1,368,712; in Rockaway Parkway, from Tomassetti & Co., Inc., 1133 60th St., 0.6845% of engrs. est. ($25,446); in Elmore Pl. and East 37th St., from R. Iovino, 0.725% of engrs. est. ($4,193) and 0.7404% of engrs. est. ($1,572) respectively. Noted Aug. 20.

O., Cincinnati—City, 1,050 ft. 12- to 24-in. vitr. clay and 1,360 ft. 30- to 42-in. trunk sewer in Elkins Alley, Court and Elm Sts., from J. B. McLane & Co., 337 York St., Newport, Ky., $34,141. Engrs. est. $40,250. Noted Apr. 9.

Minn., St. Paul — City, Aug. 11, sewer and laterals in Otto Ave. Extension 3, from Thornton Bros., 318 Endicott Bldg., $29,-887.

Wash., Seattle—Bd. Pub. Wks., Aug. 15, sewers in 61st Ave. S. et al., from Scalzo & Co., 1708 22nd St. S., $100 322.

CONTRACTS AWARDED

N. Y., Albany—See "Streets and Roads."

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in Clove Rd., to G. Orricco, 500 Butler Ave., Concord, $115,398. Noted Aug. 20.

Pa., Phila.—Bureau of Engineering, storm water and drainage ditches for South Phila. Impvt. Dist., Plan B, to E. Fay & Son, 2 South Mole St., $312,310. Noted Aug. 20.

Pa., Phila.—Bd. Pub. Wks., Bureau of Engineering, Wing hocking Sewer in McAlester Ave. and Cayuga St., to McLean Constr. Co., 1415 Fidelity Bldg., Baltimore, Md., $505,965; and grading, etc., at Northeast Sewage Treatment Wks., to Union Paving Co., 30th and Locust Sts., $88,211. Noted Aug. 27.

Pa., York—City; addition and improvements to sewage disposal plant, to P. R. Hostetter, York. Engrs. est. $75,000. Noted July 30.

Md., Baltimore—Mayor and City Council, 500,000 lbs. manhole sewer inlet and similar iron castings listed in Contr. 55, for Bureau of Sewers, to Amer. Brake & Shoe Fdry. Co., Fulton Station, $13,620.

O., Cleveland—City, 1,990 ft. 3 C, 9,681 ft. 12- to 24-in. vitr. tile sewer in Triskett Rd., to S. N. Khury, 3511 Walton Ave., $58,307. Noted July 30.

O., Salem—Reconstructing two new beds at sewage disposal plant, to S. Urslan, Genl. Del., Akron, $26,595. Engrs. est. $30,000. Former contract rescinded. Noted April 16.

Ill., Belleville—See "Streets and Roads."

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, Comr., to Wenzel & Henoch Co., 498 27th St., sewers in Cleveland Ave. $5,059 and 59th St., $1,725; to G. E. Zimmermann, 3402 Grand Ave., in Western Ave. $1,779, Fiebrantz St. $4,656, Reynolds St. $1,165, 60th St. between Vliet St. and Menomonee Dr. $23,721 and 60th St. between North and Meinecke Aves. $1,649; to W. T. Werner, 675 Hi Mount Blvd., in Melvina St. $764 and 20th St., $1,834; and to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., in 49th St., $1,067. Grand total $43,419. Noted Aug. 27.

Ia., Des Moines—City, 15- to 48-in. storm sewers in 23rd St. Storm Sewer Dist., to Wilson Concrete Co., 8th and Elm Sts., $40,004.

Minn., Paynesville — J. F. Chisholm, village clk., 25,700 ft. 8- to 15-in. vitr. sewers, 64 manholes, etc., in various streets to K. C. Richards, Paynesville. Noted July 16.

Kan., Newton—Sanitary sewers in Dists. 4, 5 and 6, to Burt & Tripp, Herrington, $27,681. Noted July 30.

Tex., Yorktown—City will lay additional sewer mains in various streets, by day labor under supervision. A. B. Clenny, engr., Dallas. $50,000. Noted May 14.

Wash., Ryderwood — City, disposal plant and complete sewerage system, 20,000 ft. 4- to 8-in. concrete pipe, eight hundred 4 in. concrete Y's and bends, etc., to Jacobsen & Jensen, 407 Stanton St., Portland, Ore.

Ont., Cornwall—Town, Fly Creek Trunk Drainage Sewer, 8,800 ft. 3 ft. diam. rein.-con. pipe, to McLean & Stidwell, Cornwall. Engrs. est. $70,000. Noted July 30.

Waste Disposal

BIDS DESIRED

N. Y., Long Island City—Sept. 8, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., refuse destructor with electrical work and appliances, Betts Ave., 2nd Ward.

Bridges

PROPOSED WORK

Mass., Dennis—Plans new concrete bridge over Swan Pond River. $25,000. Engineer not selected.

Md., Baltimore—Mayor and City Council making plans concrete and steel bridge over

Bridges (Continued)

North Point Rd. $150,000. Whitman, Requardt & Smith, 18 East Lexington St., engrs.

Fla., St. Petersburg — Election Sept. 8, $110,000 bonds, for rein.-con. bridges. S. S. Martin, dir. Finance.

Wis., Racine—H. A. Nelson, comr. Pub. Wks., making plans and specifications for bridge over Chicago, Milwaukee & St. Paul R.R. tracks and Chicago & Northwestern R.R. tracks, at 6th St. $50,000. A. Pergande, 369 Herman St., Milwaukee, engr. Noted Aug. 20.

Ia., Sioux City—Plans viaduct over Sioux City Service Co. and Chicago, Milwaukee & St. Paul R.R. tracks $30,000. L. N. Hintgen, city engr.

Kan., Atchison—Atchison Co. called off election Aug. 4, $150,000 bonds for bridges and repairs. J. R. Gilman, co. clk. Noted July 30.

Kan., Oskaloosa—Jefferson Co. making preliminary plans 220 ft. concrete and steel bridge at Valley Falls, 90 ft. Marsh arch bridge at Williamstown and 80 ft. marsh arch span at Rock Creek Bridge. R. C. Ham, Oskaloosa, co. engr. Kansas Eng. Co., 1233 Western St., Topeka, engrs.

Tex., McKinney — See "Streets and Roads."

BIDS DESIRED

New Hampshire—See "Streets and Roads."

Pa., Phila.—Sept. 9, by Pub. Wks. Bureau of Engineering, 76 ft. steel encased concrete bridge, 70 ft. to carry 2nd St. over Luzerne St. $100,000.

Virginia—See "Streets and Roads."

W. Va., Roach (mail Salt Rock)—Sept. 23, at office R. S. Douthat, clk. Cabell Co., Huntington, superstructure 5 span steel bridge across Guyandotte River, here. J. M. Oliver, co. engr.; adv. E. N.-R. Sept. 3.

N. C., Belhaven—Sept. 7, by Road Comn. Beaufort Co., Washington, removing old bridge and constructing new bridge over Pantego Creek, here, incl. 440 ft. creosoted piling and 193,000 ft. creosoted lumber.

O., Cincinnati—Sept. 25, by Comrs. Hamilton Co., rebuilding concrete superstructure for 4 span 224 ft. bridge, on Kilby Rd. $25,000. E. A. Gast, Court House, engr. Noted Aug. 27.

Wisconsin—See "Streets and Roads."

Texas—See "Streets and Roads."

Tex., Anderson—Sept. 14, by R. W. Barry, judge Grimes Co., concrete bridge and culverts on 56 mi. roads in Dists. 7 and 8. $30,000. O. A. Seward, Jr., Navasota, engr.

Tex., San Diego—See "Streets and Roads."

BIDS RECEIVED

Mass., Dorchester (Boston, P. O.)—Metropolitan Dist. Comn., 1 Ashburton Pl., 88 ft. incl. 1,200 cu.yd. grading, 5,750 ft. concrete piles, etc., on Mt. Vernon St., here, from Coleman Bros., 245 State St., Boston, $117,925.

N. Y., Buffalo—Commissioner Pub. Wks., concrete plate girder bridge at South Park Ave., substructure, from Great Lakes Dredge & Dock Co., D. S. Morgan Bldg., $84,000; superstructure, from W. S. Meserve, 245 Elmwood Ave., $25,276. Noted Aug. 13.

North Carolina — State Hy. Comn., Raleigh, Aug. 25, rein.-con. bridges and culverts on Project 193, Tyrrell Co., from Peterson & Earnhardt, Montgomery, Ala., $110,910; on Project 720-B, Caldwell Co., from Booz-Boyd Co., Wilson, $119,418. Noted Aug. 20.

Wis., Racine—H. A. Nelson, comr. Pub. Wks., Aug. 19, 180 to 190 ft. steel bridge, 42 ft., at Mead St., from E. E. Gillen Co., 288 East Water St., Milwaukee, $55,000. Noted Aug. 13.

Tex., Sulphur Springs—See "Streets and Roads."

CONTRACTS AWARDED

Massachusetts—See "Streets and Roads."

Pa., Hepburnville—Comrs. Lycoming Co. (Williamsport), L. O. Bower, chn. clk., removing present bridge 50 ft. and constructing 4 span, 240 ft. rein.-con. girder bridge, 33 ft., etc., here, to J. M. Sanders, Williamsport, $60,200. Noted Aug. 13 under "Williamsport."

West Virginia—State Hy. Comn., Charleston, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., East Madison Bridge 654, 2 span, 340 ft. steel superstructure, Project 3151-C, Boone Co. $27,670, Little Sandy Bridge 914, 1 span 120 ft. steel superstructure, Project 3206, Kanawha Co. $9,980; to Hardman & Minns, Spencer, East Madison Bridge 654, concrete substructure, Project 3151-C, Boone Co. $15,748, Sycamore Bridge 952, 2 span, 100 ft. concrete deck girder bridge, Project 3164, Jackson Co. $21,659, Cairo Bridge 839, 1 span, 180 ft. concrete substructure, Project 3115, Ritchie Co. $12,154, and Upper Spring Creek Bridge 715, 2 span, 102 ft. concrete deck girder, Project 2089, Roane Co. $17,665; to E. R. Mills, Newport, Ky., Moorefield Bridge 739, 2 span, 180 ft. steel superstructure, Project 62, Hardy Co. $41,421 and Big Sandy Bridge 860.1, 1 span, 145 ft. steel superstructure, Project 3231, Kanawha Co. $16,853; to Vincennes Bridge Co., Vincennes, Ind., Bridgeport Bridge 837, 1 span, 85 ft. steel pony truss superstructure, Project 3269, Harrison Co. $9,843, West Landgraff Bridge 723, 1 span, 120 ft. steel superstructure, Project 2048-B, McDowell Co. $13,125, Beverly Bridge 974, 1 span, 80 ft. steel pony truss superstructure, Project 3210, Randolph Co. $5,481, Cairo Bridge 839, 1 span, 180 ft. steel superstructure, Project 3115, Ritchie Co. $21,452, and French Creek Bridge 993, 1 span, 60 ft. steel pony truss superstructure, Project 3277-B, Upshur Co. $5,355; to Hatfield Constr. Co., 418½ 10th St., Huntington, Coopers Creek Bridge 1009, 1 span, 120 ft. substructure, Project 148-B, Kanawha Co. $14,854 and Little Sandy Bridge 914, rein.-con. substructure, Project 3206, Kanawha Co. $17,595, to Clark & Lewis, Luray, Va., East Rainelle Bridge 991, 2 span, 60 ft. concrete deck girder substructure, Project 77, Greenbrier Co. $16,714; to W. W. Cornwell, Bridgeport, Bridgeport Bridge 837, 1 span, 85 ft. concrete substructure, Project 3269, Harrison Co. $6,120; to Skene & McAlpin, Pt. Pleasant, West Creek Bridge 1001, 1 span, 35 ft. concrete deck girder substructure, Project 39-A, Mason Co. $9,001; to Woolfork & DeJarnette, Princeton, Camp Creek Bridge 1000, 1 span, 90 ft. concrete arch substructure, Project 121, Mercer Co. $13,447; to J. L. Janutolo & Co., Fayetteville, West Landraff Bridge 723, 1 span, 120 ft. substructure, Project 2048, McDowell Co. $4,950; to P. Williams, Elkins, Beverly Bridge 974, 1 span, 80 ft. concrete substructure, Project 3210, Randolph Co. $3,340; to O. A. Queen, Buckhannon, Mill Race Bridge 978, 1 span, 20 ft. concrete arch substructure, Project 3143-A, Tucker Co., $10,874; to Smallridge Bros. & Co., French Creek, French Creek Bridge 993, 1 span, 60 ft. concrete substructure, Project 3277-B. Upshur Co., $8,219. Grand total $301,620. Noted Aug. 13.

Alabama—State Hy. Comn., Montgomery, small bridges on Camden-Butler Co. line Rd., Wilcox Co., to Stallworth Bros., Pineapple, $28,000; on Birmingham-Warrior Rd., Jefferson Co., to Lang & Jones, and A. M. Cook, Wartsburg, Tenn., $78,339. Noted July 23.

Ala., Geneva—State Hy. Dept., Montgomery, 2 concrete bridges, one over Chattawhatchee River and other over Double Bridge Creek, both near here, Geneva Co., to E. Pettus, Montgomery, $77,053. Engrs. est. $77,100. Noted July 23 under "Alabama."

O., Point Pleasant—State Hy. Dept., Columbus, Grant Memorial Bridge, steel, 200 ft. long with 24 ft. roadway near here to Brookville Constr. Co., Brookville, $62,193.

Nebraska—See "Streets and Roads."

Montana—State Hy. Dept., Helena 632 ft. I-beam bridge over Two-Medicine Irrigation Canal, to J. F. Harrington, Missoula, $50,130; and 3 span, 56 ft. I-beam bridge over Lodge Grass Creek, also 90 ft. steel pony truss bridge over Little Big Horn River, and 31 ft. I-beam bridge in above section, to W. P. Roscoe, Billings, $20,357.

Tex., Boston—See "Streets and Roads."

Dams

BIDS DESIRED

Ill., Streator—Sept. 21, by Streator Aqueduct Co., R. D. Huggans, supt., concrete dam and appurtenances. Maury & Gordon, 1445 Monadnock Bldg., Chicago, consult. engrs.; adv. E. N.-R. Sept. 3. Noted July 30.

CONTRACTS AWARDED

Okla., Mangum—Mangum Country Club, earth fill dam, to W. T. Robison, Ardmore, $16,994.

Railways

PROPOSED WORK

Kansas and Texas—Chicago, Rock Island & Pacific R.R. Co., La Salle Sta., Chicago, Ill., has been authorized by Interstate Commerce Comn. to build 145 mi. track from Liberal, Kan., to Amarillo, Tex. C. A. Morse, ch. engr.

Texas—Jefferson & Northwestern Ry. Co. Jefferson, plans extending line 9 mi. from Marietta to Naples, Cass Co. $75,430. H. B. Montgomery, Jefferson, ch. engr.

BIDS DESIRED

Illinois—See "Contracts Awarded."

Quebec—Rouyn Mines Railway Co., c/o Canadian Natl. R.R. Co., Montreal, taking bids railway line from O'Brien to mineral fields in northwestern part of province. S. J. Hungerford, engr.

BIDS RECEIVED

Massachusetts—Transit Dept., 1 Beacon St., Boston, Aug. 27, constructing Sect. 1 Dorchester Rapid Transit road bed platforms, bridges, etc., in Boston, from M. F. Gaddis, 2A Victoria St., Dorchester, $539,380. Noted Aug. 16.

CONTRACTS AWARDED

Illinois — Alton & Southern R.R. Co., Oliver Bldg., Pittsburgh, Pa., will build 4 mi. track from Mitchell to Granite City, by own forces. Grading has been done and will lay 85 lb. rails. $300,000. A. E. Fickes, ch. engr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Fla., St. Petersburg — Election Sept. 8, $45,000 bonds dredging at Mirror Lake, and $36,000 bonds for enlarging drainage ditches and extending 1st Ave. loop. S. S. Martin, dir. Finance.

Miss., Greenville—Mississippi Levee Bd., c/o G. M. Baggett, pres., 120,000 cu.yd. new levee at Lake Jackson, to Noble, Elkas & Weathers, Fayette, at $0.384 per cu.yd.

Ill., Chicago—Lincoln Park Comrs., Center and Clark Sts., making plans dredging in Lake Michigan and filling in 100 acres new land. $2,000,000 bonds authorized and other improvements. C. H. Gremley, ch. engr.

Wis., Racine — Root River D. D., c/o J. J. Degen, engr., Burlington, making plans excavating and tiling to improve above district, Racine Co. $33,000.

Ia., Council Bluffs—Pottawatomie Co. making preliminary plans 8 mi. ditches in Cass-Pottawatomie Dist. $56,000. B. J. Conlon, Council Bluffs, engr.

Kan., Wichita — North Wichita D. D. making preliminary plans open ditch work, tiling, sluice gates, etc. $400,000. Clark E. Jacoby Eng. Co., 700 Interstate Bldg., Kansas City, Mo., engrs. Noted Aug. 6.

Ark., Osceola—Grassy Lake D. D., (Sub. D. D. 3 of D. D. 9, Mississippi Co., c/o J. T. Coston, Atty., postponed construction project to protect 173,000 acres, incl. 12,000,000 cu.yd. excav. $2,000,000. Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs. Noted Nov. 6.

Tex., Brownsville — Cameron Co. voted $1,500,000 bonds for irrigation project, incl. construction large levees in Hidalgo Co., also to gather overflow waters into main channels and conduct them through Cameron and Willacy Counties, and then into the Gulf of Mexico. Total cost $4,000,000. Each County is to take care of its part of project. W. O. Washington, Brownsville, Co. engr. W. E. Anderson, Brownsville, consult. engr. Noted July 23.

Tex., Donna—Voted $330,000 bonds, irrigation work incl. dredging canals, pumps, etc. in Donna Irrigation Dist. of Hidalgo Co. Address Secretary Donna Irrigation Dist.

Tex., Edinburg—Hidalgo Co. election Sept. 5, $250,000 bonds to purchase canals and pumping plant on Llano Grande Plantation Co. at $129,950, balance for additional canals and meters, etc. A. Tamm, Harlingen, engr.

Tex., El Paso—R. B. Kimbrough making plans diverting 900 acre foot of water from Rio Grande River for irrigation purposes. $40,000. Private plans.

BIDS DESIRED

Mass., Falmouth—Sept. 10, by Dept. Pub. Wks., Div. Waterways, Boston, dredging about 22,500 cu.yd. material and removing 100 tons boulders in West Falmouth Harbor, here. W. T. Williams, comr.

N. Y., Thomson—Sept. 25, by R. K. Fuller, comr. Canals & Waterways, 55 Lancaster St., Albany, excavating approach channel to barge canal terminal dock, here, Terminal Contr. 34-D. $31,720; adv. E. N.-R. Sept. 3.

Fla., Hollywood—See "Contracts Awarded."

Ill., Crete—Sept. 9, by Comrs. D. D. 5, Crete Twp., at residence of F. Bramer, 5 mi. East of here, cleaning out 6.5 mi. open ditch, 49,671 cu.yd. excav., etc. F. E. Gaines, Crete, city clk.

Ill., Meredosia—See "Pittsfield."

Ill., Pittsfield—Sept. 8, by Bd. Comrs. McGee Creek Levee & D. D. of Brown and Pike Counties, at office Williams & Williams, attys., Pittsfield, 2 mi. open ditch,

Excavation, Drainage, Irrigation, Levees (Continued)

incl. 88,539 cu.yd. excav., also furnishing and installing two 36 in. centrifugal pumps, two 300 hp. Diesel or semi-Diesel engines, 260 ft. suction and discharge pipe, pile and concrete foundation, etc. at Meredosia. Address W. H. Irving, Meredosia, and Williams & Williams, Pittsfield.

CONTRACTS AWARDED

Fla., Hollywood—Hollywood Development & Harbor Co., J. W. Young, pres., received permit to construct entrance channel, jetties and harbor, here, 17 mi. north of Miami. Work will be done by company forces. $15,000,000. F. C. Dickey, ch. engr., and General Goethals, consult. engr. Contracts for hydraulic dredges have been awarded to Ellicott Machine Corp., Bush and Severn Sts., Baltimore, Md.

Neb., Falls City—C. F. Bucholz, secy. Richardson Co., D.D. 1, 165,000 cu.yd. excav., to F. M. Crane & Co., 6141 Florence Blvd., Omaha, at $0.075 per cu.yd. Noted Aug. 27.

Ont., Sugar Island — Dept. Pub. Wks., Ottawa, revetment wall and reclamation project, here, to M. Sullivan Dredging Co., Amherstburg. Engrs. est. $50,000.

Streets and Roads

PROPOSED WORK

Mass., Charlestown (Sta. Boston)—Street Layingout Dept., Boston, plans constructing Linwood Pl. as highway, here. $25,000. J. F. Sullivan, secy.

Mass., Dorchester (Boston P. O.)—Street Layingout Dept., Boston, plans reconstructing Norwood St. as highway, here. $25,000. J. F. Sullivan, secy.

Pa., Pittsburgh—Making plans grading, curbing and paving Kramer St. between Boggs Ave. and Walden St., $25,000; also Forbes St. between Beechwood St. and Braddock Ave., $131,000. Dept. Pub. Wks., City County Bldg., engr.

W. Va., Beckley—Town Dist. voted $300,000 bonds for improving roads in Raleigh Co. W. J. Campbell, Beckley, engr. Noted Aug. 6.

W. Va., Beckley—Raleigh Co. plans grading and paving 20 mi. various roads in Town Dist., 16 ft. L. M. Dorsey, Beckley, engr.

W. Va., Clarksburg—Harrison Co. plans grading and paving 10 mi. Clarksburg-Buckhannon Pike, 16 ft., Elk Dist. $400,000. State Road Comn. appropriates $150,000 toward cost. G. L. Doyle, Clarksburg, engr.

W. Va., Fairmont — Soon takes bids paving 7,500 ft. Speedway. $60,000. S. S. Miller, city engr.

W. Va., Ripley — Grant Dist. election Sept. 15, $102,000 bonds for improving roads, Jackson Co. E. Staats, co. clk.

N. C., Raleigh—Plans paving 25 blocks 18 various streets. C. C. Page, comr. Pub. Wks.

N. C., Raleigh—Wake Co. election Oct. 20, $1,300,000 bonds hard-surfacing various roads. M. Mial, Raleigh, comr.

N. C., Salisbury—Bd. Aldermen authorized $123,000 bonds, paving 2 mi. various streets.

Fla., Appalachola—Franklin Co. plans election $250,000 bonds improving various roads.

Fla., Brookville—Hernando Co. plans election $32,000 bonds completing Rerdell and Spring Lake Rds., $47,000 bonds for Istachatta and Hammock Rds.; $35,000 bonds constructing roads from Bay Port to Price Island, $58,370 bonds 6½ mi. Tucker Hill Rd. to near Croom, $50,000 bonds 8 mi. Brooksville State Rd. 5 north to Citrus Co. line, $28,160 bonds 3.75 mi. State Rd. 5, south of Brooksville to Spring Hill Rd. and via Aripeka Rd., $29,178 bonds Center Sect. 25 on Brooksville Spring Lake to Top Hope Hill also Hammock Rd. in Ayers, $27,098 bonds 4 mi. Rital and Richloam Roads via Pasco Co. line, etc., $27,899 bonds 4.25 mi. Richloam via Pasco Co. line and Mondon Hill Rd. to Spring Lake Rd., $37,196 bonds 5 mi. Dade City-Sprink Lake Rd., $75,106 bonds 8.5 mi. Spring Lake Rd. via Mitchell west to State Rd. 5, $29,469 bonds 4.25 mi. State Rd. 5 to Hammock Mail Rd., $30,819 bonds 4.25 mi. Lake Lindsay Filliny Sta. to Hammock Mail Rd., $29,006 bonds 4 mi. State Rd. 5 to Hammock Rd., $99,604 bonds 13.5 mi. road from Withlacoocree River west and south $86,856 bonds 7.25 mi. road from State Rd. 15 north to Military Landing and Bay Port Rd., $33,938 bonds 4.25 mi McKeown Branch and north from Spring Hill and Tucker Rd., $133,000 bonds 17 mi. Spring Hill to Pasco Co. Line, $32,352 bonds Spring Lake and Methodist Church Section of roads. H. C. Mickler, clk.

Fla., Holly Hill—Soon takes bids paving 60,000 sq.yd. various streets. N. A. Hotard, New Smyrna, engr.

Fla., Pinellas Park—Plans constructing various streets. $491,473. M. E. German, town clk.

Miss., Columbus—Making plans grading, curbing and Warrenite bitulithic paving 666 ft. West Canal St., 603 ft. West Washington St., 2,065 ft. South and North Long Sts., 709 ft. Columbus St., 1,980 ft. James St., 1,258 ft. Hickory St., 602 ft. College Pl., 1,870 ft. South Meridian St., and 279 ft. North Franklin St.; 6 in. concrete surfacing 2,046 ft. Monroe St. and 2,046 ft. Jefferson St., 26 ft. A. L. Dabney, 820 Columbian Tower Bldg., Memphis, Tenn., engr.

Miss., Winona—Montgomery Co. election Sept. 5, $75,000 bonds, improving roads in Beats 4 and 5.

Miss., Woodville—Wilkinson Co. soon takes bids gravel surfacing, etc. 9 mi. Woodville-Louisiana State Line Rd., 18 ft. $40,000. W. L. Hays, c/o clk. Noted Mar. 12.

La., Alexandria—Rapides Parish election Sept. 22, constructing Consolidated Rd. Dist. A.

La., Lake Charles—Voted $150,000 bonds constructing Evangeline Highway, in Wards 5 and 6.

Tenn., Athens—McMinn Co. plans improving 25 mi. Etawah-Monroe Co. line Rd. $60,000.

Tenn., Chattanooga—Hamilton Co. plans concrete surfacing road from Glendale to Signal Mountain. $40,000. Hamilton Co. Hy. Comn., H. Clark, secy., Chattanooga, engrs.

O., Canton — Bd. Control plans widening and asphalt paving Walnut Ave. N. E., $60,000; and improving Greenfield Ave. S. W., $70,000. W. E. Sarver, Canton, engr.

O., Canton—Plans improving 1 mi. Henry Ave. S.W. 140 ft., $75,000, 21st St. N.W. $40,000-$50,000, and Bellflower Ave. S.W., $35,000; asphalt repaving Market Ave. N., $50,000. W. E. Sarver, City Hall, engr.

O., Canton—Plans improving Warner Rd. S. E., $60,000; widening and repaving McKinley Ave. N. W., $75,000. W. E. Sarver, City Hall, engr.

O., Cleveland—Plans paving and right-of-way of West Blvd. $800,000; paving, right-of-way and bridge on East Blvd. $1,345,000; stone or concrete curbing 18 mi. Park Boulevards, $100,000. R. Hoffman, City Hall, engr. Noted Aug. 20.

O., Columbus—Making plans cement sidewalks 5 ft. wide on both sides of Lakeview Ave., Kossuth, Mithoff and Rich Sts.; 17.5 ft. wide on both sides 16th, Washington and Jenkins Aves. $73,000. R. H. Simpson, Columbus, ch. engr.

O., Dayton—Plans rein.-con. or asphalt paving, etc. 27,000 sq.yd. Overlook Ave., $199,801; rein.-con., brick or sheet asphalt paving 7,000 sq.yd. Garland St., $49,269; and curbing, guttering and concrete paving 2,800 sq.yd. Edward St., $18,591. J. F. Hale, city engr.

Ind., Anderson—Madison Co., plans concrete paving 17,600 sq.yd. Woolum Rd., $30,000; and 0.66 mi. Doyle Rd., 30 ft., $26,000. Address County Surveyor, Anderson.

Ill., Peoria — Soon takes bids grading, curbing and brick on concrete surfacing 5 blocks Garden St., $40,000; concrete surfacing 8 blocks Greenlawn Sts. $44,482, and 6 blocks Blaine St. $38,205. Noted July 16 and 23.

Ill., Warsaw — Making preliminary plans curbing, grading, etc. and brick on 4 in. concrete surfacing 9,925 sq.yd. various streets. F. M. Connolly, 432 Peoples Trust & Savings Bank Bldg., Galesburg, engr.

Ia., Council Bluffs — City rejected bids grading, and sheet asphalt, Willite, bitulithic, asphaltic concrete, vibrolithic or brick surfacing 43,400 sq.yd. various streets. J. H. Mayne, City Hall, engr.

Tex., Cuero—Election soon $30,000 bonds, hardsurfacing about 1 mi. West Main St., to connect with County Highway. Address Mayor.

Tex., Decatur—Wise Co. election Sept. 12, $1,000,000 bonds hardsurfacing main highways. S. M. Ward, Decatur, co judge.

Tex., Desdemona—Plans permanent street paving. $30,000. L. Gresham, Desdemona, engr.

Tex., Falfurrias—Brooks Co., soon takes bids grading and bates type section rein.-con. paving 14.182 mi. State Highway 12, Federal Aid Project R.-2-A. $510,000. R. Harrison, Falfurrias, engr.

Tex., Haskell — Haskell Co. defeated $1,500,000 bonds, improving about 32 mi. highway. J. G. Foster, Haskell, judge. Noted July 2.

Tex., Jacksonville — Making plans hard-paving about 10 blocks various streets. $100,000. O. L. Forsgard, Nacogdoches, engr.

Tex., Laredo—Webb Co. making plans bituminous macadam paving 13.25 mi. State Highway 12-A, Federal Aid Project 486, Sect. B. $170,000. T. E. Huffman, Laredo, engr.

Tex., McKinney—Collin Co. making plans grading and bridging 13.9 mi. State Highway 39, from point 4.2 mi. east of McKinney to Hunt Co. line. $77,500. F. W. Cawthon, McKinney, co. engr.

Tex., Nacogdoches—Making plans brick on iron ore gravel paving North St. $26,000. L. Acker, Nacogdoches, engr.

Tex., San Angelo—Tom Green Co., election Sept. 19, $500,000 bonds hardsurfacing 74 mi. highway, 18 ft. J. T. Mathison, judge. Noted Aug. 6.

Tex., San Antonio—Bexar Co. election soon $60,000 bonds gravel surfacing 5 mi. St. Hedwig and Elmendorf Rds., 18 ft., Precinct 4. A. C. Pancoast, 102 Turner St., co. engr.

Tex., Tulia — Election soon $60,000 or more bonds paving 10 blocks various streets. B. B. Huckabee, city mgr. Engineer not selected.

Tex., Waco—Election Sept. 22, $250,000 bonds, paving various streets. V. G. Koch, city engr.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans concrete slab surfacing 31,680 sq.yd. Bartlesville-Tulsa Rd., Tulsa Co. $75,000. J. M. Page, highway engr.

Okla., Blair — Plans concrete surfacing various streets. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Chandler—Making plans paving 10 blocks various streets. To exceed $25,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Cordell—Plans grading, curbing and concrete surfacing 8,500 sq.yd. Church, Market and 1st Sts. $26,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Davenport—Plans grading, curbing and vertical fibre brick surfacing 9,100 sq.yd. Main St. $36,600. C. A. Wood, Stillwater, engr.

Okla., Hobart—Plans grading and vertical fibre brick surfacing 51,000 sq.yd. Kiowa, Apache, Broadview, 3rd and 4th Sts. $200,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Los Angeles—Bd. Supervs. Los Angeles Co. takes bids about Sept. 20 grading, curbing, guttering, and sidewalks on 432,566 sq.ft. St. Vincente Ave., etc. (Co. Impvt. 141). $129,912. G. Jones, Hall of Records, co. engr.

Calif., San Diego—Common Council plans improving Lewis St., 1,497 cu.yd. excav., 3,657 cu.yd. embankment, 144,325 sq.ft. 1½ in. asphalt on 4 in. concrete paving, 6,991 sq.ft. concrete sidewalks, 1,670 lin.ft. concrete curbing, etc.; Fay St., 39,178 sq.ft. 4 in. and 174,259 sq.ft. 5 in. concrete paving, 8,488 sq.ft. concrete sidewalks, 1,692 lin.ft. concrete curbing, etc.; also Kansas St., 157,406 sq.ft. 1½ in. asphalt on 5 in. 2,361 sq.ft. 4 in. concrete paving, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving K St., 372,591 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving, 584 sq.ft. 1½ in. asphalt gutter surfacing, 601 sq.ft. sidewalk, 325 lin. ft. curbing, etc.; also Jewell Dr., 37th St., etc., $48,131 cu.yd. excav., 18,953 cu.yd. embankment, 101,302 sq.ft. concrete sidewalks 34,643 lin.ft. curbing, etc. F. A. Rhodes, city engr.

BIDS DESIRED

New Hampshire—Sept. 4, by F. E. Everett, comr. State Hy. Dept., Concord, bituminous macadam paving 2.25 mi. Federal Aid Project 223-C, and in Peterboro 0.68 mi. Federal Aid Project 228-A in Holderness; also 40 ft. span rein.-con. T-beam bridge on Randolf State Rd.

Conn., Wallingford—Sept. 8, by Warden and Court of Burgesses, at office F. J. Whitney, boro clk., bituminous macadam paving. Prince and North Elm Sts.; adv. E. N.-R. Sept. 3.

N. Y., Brooklyn—Sept. 9, by J. A. Guider, boro pres., Boro Hall, grading, curbing and flagging, etc. East 29th St., 56th and 68th Sts.; permanent asphalt on concrete paving Ocean Ave., 56th and 68th Sts.; reconstructing curb corners at Atlantic and Bedford Aves., Ocean and Woodruff Aves., Atlantic and 4th Aves., Flatbush and 4th Aves., and at Pacific St. and 4th Ave.

N. Y., Long Island City—Sept. 9, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks, etc., on Foster Ave., 116th St. and 179th Pl.; curbing and laying sidewalks, etc. on Grout and Tieman Aves.; asphalt block repaving, etc. Diagonal St.; grading, etc. Rockaway Blvd.

N. J., Hackettstown—Sept. 14, by Common Council, rein.-con. paving 14,387 sq.yd. Mountain Ave. H. W. Vetter, Belvidere, engr.; adv. E. N.-R. Sept. 3.

Streets and Roads (Continued)

N. J., Little Silver—Sept. 21, by Boro Council, rein.-con. paving 1.486 mi. Church St., Prospect Ave., and Willow Dr. G. K. Allen, Jr., 60 Broad St., Red Bank, boro engr.; adv. E. N.-R. Sept. 3.

N. J., New Brunswick—Sept. 8, by City Comn., sheet asphalt paving 7 various streets. $80,000. A. Atkinson, city engr. Noted Aug. 27.

N. J., Princeton—Sept. 8, by Princeton Twp. Com., M. Clausen, clk., bituminous surface treated with gravel surfacing 4,300 sq.yd. Leigh Ave. C. S. Sincerbeaux, Mechanics Bldg., Trenton, engr.

Pennsylvania—Sept. 22, by State Hy. Dept., Harrisburg bituminous or rein.-con. paving 27 mi. various roads in 10 counties. P. D. Wright, secy.; adv. E. N.-R. Sept. 3.

Pa., Pittsburgh — Sept. 9, by Controller Allegheny Co., rein.-con. paving 9,478 ft. Edgeworth Boro-Leetsdale Boro Rd., 27 to 32 ft., $100,000; vitr. brick on concrete repaving 4,103 ft. Brownsville Rd., etc. 9 to 17.75 ft., $50,000. Dept. Pub. Wks. of Allegheny Co., 519 Smithfield St., engr.

Delaware—Sept. 16, by State Hy Dept., Dover, grading and paving 2.6 mi. Maryland Line-Hartly, Contr. CK30, and 0.875 mi. Rehoboth Connection, Constr. CS30C, also removing old bridge at Drawyers; adv. E. N.-R. Sept. 3.

Virginia—Sept. 10, by State Hy. Comn., Richmond, grading 1.318 mi. Route 17, Sect. 391-S, Bath Co.; concrete surfacing 2.58 mi. Route 341, Project 316-F, Accomac Co.; bituminous macadam surfacing 3.672 mi. Route 21, Project 408-F, Page Co.; also two concrete bridges on Routes 17 and 21, Bath and Page Counties. C. S. Mullen, highway engr.

Fla., Clearwater — Sept. 7, by C. F. Mason, city mgr., grading, curbing, guttering, laying sidewalks and brick or asphalt block paving 49,344 sq.yd. various streets. $150,000.

Fla., Monticello — Sept. 15, by City Council, curbing, guttering and paving about 61,000 sq.yd. various streets. A. S. Jandon Eng. Co., Elberton, Ga. and Eustis, engrs.

Fla., Mount Dora — Sept. 24, by City Council, curbing, guttering and bituminous paving about 170,000 sq.yd. various streets. H. S. Jandon Eng. Co., Elberton, Ga., engrs.

Fla., Tampa—Sept. 8, by City Comn., 2½ in. asphalt block or vitr. brick paving 16,000 sq.yd. Streets 58, 59 and 60, $40,000; 9,200 sq.yd. 56, 67, and 61, $25,000; about 9,800 sq.yd. 53, $25,000; about 93,500 sq.yd. 52 and 55, $25,000; about 11,000 sq.yd. 41, 45, 51, and 54, $30,000; 10,000 sq.yd. 16, 21 and 22, $30,000; 9,753 sq.yd. 2, 4 and 5, $25,000; and 9,900 sq.yd. 6, 7, 8, 9, and 15, $25,000. R. D. Martin, City Hall, engr.

Fla., Tavares—Sept. 7, by Comrs. Lake Co., grading, concrete, brick or sheet asphalt paving, etc. 147,840 sq.yd. Mt. Dora, to Wekuva River Rd., Rd. Dist. 10. $300,000. G. S. Mickle, Tavares, engr.

Miss., Greenville—Sept. 14, by Bd. Supervs. Washington Co., improving 4.796 mi. Federal Aid Project 59, 2 acres clearing and grubbing, 5,000 cu.yd. excav., 40,000 cu.yd. borrow, 12,656 lb. reinforcing, 4 mi. Bermuda sod, etc. H. C. Dietzer, Jackson, engr.

Louisiana—Sept. 24, by State Hy. Comn., Reymond Bldg., Baton Rouge, gravel or shell surfacing 17.62 mi. New Orleans-Fort Jackson Highway, State Project 346-B-2, Plaquemines Parish. W. B. Robert, highway engr.

O., Cincinnati—Sept. 10, by Dir. Pub. Serv., granite block and concrete paving, etc. 3,195 ft. Mitchell Ave., 40 ft. $116,510. F. Krug, City Hall, engr. Noted June 4.

O., Cleveland — Sept. 12, by Comrs. Cuyahoga Co., paving Hilliard Rd. Bridge. $29,640. F. Lander, Court House, engr.

O., Maple Heights (mail Cleveland) — Sept. 8, by Village, paving, laying sewers and watermains in various streets. $60,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

Ind., Columbia City—Sept. 9, by Auditor Whitely Co., grading and graveling 8 mi. 5 various roads, 26 ft. $41,500. Address County Surveyor, Columbia City.

Ind., Knox—Sept. 9, by Auditor Starke Co., grading and graveling 2.9 mi. Keehn Rd., 26 ft. $25,900. Address County Surveyor, Knox.

Ind., Logansport — Se t. 11, by R. A. Hyman, engr., Logansport, grading and graveling 2.5 mi. Barnett Rd., $25,003, and 3.1 mi. Pierce Rd., $29,283, for Cass Co.

Ind., New Albany—Sept. 19, by Auditor Floyd Co. grading and graveling 3 mi. Number 4 School House Rd., 26 ft. $26,300. Address County Surveyor, New Albany.

Ind., Peru—Sept. 11, by B. Welch, engr., Peru, concrete paving 9,204 sq.yd. Rd. 33, for Miami Co. $26,000.

Ill., Riverside—Sept. 8, by Bd. Local Impvts., P. J. Leitzelle, atty., 112 West Adams St., Chicago, grading, curbing and concrete surfacing 17,100 sq.yd. Harlem Ave.

Ill., Wheaton — Sept. 8, by City, sheet asphalt or Warrenite bitulithic resurfacing 34,000 sq.yd. various streets. Wells Eng. Co., Geneva, engrs. Noted July 2.

Wisconsin—Sept. 9, State Hy. Dept., at Div. 8, 1st Natl. Bank Bldg., Superior, constructing 15.15 mi. Trego-Minong Rd., Federal Aid Project 377-C, Washburn Co., 84.34 acres each clearing and grubbing, bridges over 20 ft. span, 101 cu.yd. rip rap, 1,266 bbls. cement, handling only, 2,275 lin.ft. piling delivered, 2,275 ft. actual penetration, etc. Separate bids on clearing and grubbing, also on bridges. J. T. Donaghey, Madison, highway engr.

Kan., Kansas City—Sept. 17, by Clerk Wyandotte Co., concrete surfacing 1.05 mi. Woestmeyer Rd., 18 ft., 5 and 6 ft. dirt shoulder, etc.; bridging and rock asphalt surfacing 1 mi. Smith Rd., 18 ft. O. K. Williamson, Court House, engr. Noted Mar. 26.

Kan., Kansas City—Sept. 17, at office W. Beggs, clk. Wyandotte Co., grading, bridging, rock asphalt surfacing, etc. 0.995 mi. Smith Rd., 18 ft. incl. 3 and 4 ft. earth shoulders; and concrete surfacing 1.005 mi. Westermeyer Rd., 18 ft., incl. 5 and 6 ft. earth shoulders. Noted Aug. 27.

Kan., Lyndon—Sept. 24, by Clerk Osage Co., grading, etc. 6.009 mi. Federal Aid Project 264-C, and 4.053 mi. Federal Aid Project 266-C, both 28 ft. F. C. Healea, Lyndon, co. engr. Noted Feb. 19.

Kan., Oskaloosa — Sept. 25, by Clerk Jefferson Co., grading, bridging, etc. 6.273 mi. Federal Aid Project 276-C; 6.6 mi. Federal Aid Project 276-D, and 5.82 mi. Federal Aid Project 268-A, all 28 ft. R. C. Ham, Oskaloosa, co. engr. Noted June 11.

North Dakota — Sept. 10, by State Hy. Comn., and Bd. Comrs. Traill Co., Court House, Hillsboro **(F.A.P. means Federal Aid Project)** grading, etc. 2.063 mi. road north of Hillsboro, F.A.P. 5C; 4,949 mi. road north of Buxton, F.A.P. 278B, and 1.725 mi. road from Reynolds east, F.A.P. 278A, Grand Forks and Traill Counties.

North Dakota—Sept. 18, by State Hy. Comn., and Bd. Comrs. Grand Forks Co., at Court House, Grand Forks **(F.A.P. means Federal Aid Project)**, graveling, etc. 20.89 mi. road from Northwood to Thompson, F.A.P. 41, A, B, C; 16.142 mi. road south of Grand Forks through Thompson, F.A.P. 215, A, B, and C; 2 mi. road from Thompson, W., F.A.P. 309-A; and 9 mi. road west of Northwood, F.A.P. 203-B.

Neb., Rulo—Sept. 8, by City Clerk, curbing, guttering and 3 in. brick, 6 or 7 in. concrete, vibrolithic concrete, asphalt, asphaltic concrete, bithulithic concrete or gravel surfacing, etc., 3,400 yd. various streets in Dist. 1; also grading, curbing, guttering and gravel surfacing 8,300 yd. various streets in Dist. 3. Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs.

Mo., Louisiana — Sept 11, by D. C. Weaver, city clk., grading, curbing, 7 in. concrete paving, etc., 20,740 sq.yd. Georgia St. $77,000. Caldwell Eng. Co., Jacksonville, Ill., engrs. Noted Aug. 27.

Texas—Sept. 11, by State Hy. Comn., Austin, grading and bridging 9.68 mi. State Highway 30, Federal Aid Project 493-A, Jones Co. $58,300. J. W. Puckett, Stamford, engr. Noted Aug. 20.

Texas—Sept. 11, by F. V. Lanham, chn. State Hy Comn., Austin, clearing, grubbing, grading and bridging 5.89 mi. State Highway 34, Federal Aid Project 385-B, incl. 54,302 lb. reinforcing, etc., $29,400; and 4.83 mi. same road Sect. D., incl. 119,986 lb. reinforcing, etc. $56,000, both in Ellis Co. W. A. Spalding, Waxahachie, co. engr. Noted May 28.

Texas—Sept. 11, by F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging and bituminous on crushed stone and limestone paving 1.15 mi. State Highway 2, Federal Aid Project 492, 18 ft., Tarrant Co. $27,000; grading and bridging 6.15 mi. State Highway 6, Federal Aid Project 471-C, 26 ft., Grimes Co., $102,750; 2½ in. bituminous topping, etc., 7.71 mi. State Highway 2, Federal Aid Project 300 B-C, 18 ft., Tarrant Co. D. A. Davis, Fort Worth, engr.

Texas—Sept. 11, by F. V. Lanham, chn. State Hy. Comn., Austin, bituminous macadam, concrete or any alternate types of hard paving 5.57 mi. State Highway 2, Federal Aid Project 409, Travis Co., $115,000; bridging and caliche paving 11.[illegible] mi. State Highway 1, Federal Aid Project [illegible]91-C, Ward Co., $157,500; and grading, gravel surfacing and bridging 3.977 mi. State Highway 5, Federal Aid Project [illegible]-A, Bowie Co., $94,424, all 18 ft.

Tex., Barstow—Sept. 11, by R. J. Hank, state highway engr., Austin, and [illegible] S. Posey, resident engr., Pecos., grading, bridging and caliche surfacing 11.1[illegible] mi. State Highway 1, Barstow e., Ward Co. $157,000.

Tex., San Diego—Sept. 17, by F. E. Hess, engr., San Diego, bridging and asphalt on limestone paving 15.76 mi. Federal Aid Project 424-F, $303,900; 3.98 mi. Federal Aid Project, 436-E, $83,500; 15.76 mi. Federal Aid Project 424-E, $367,000; and [illegible] mi. Federal Aid Project 424-G, $25,700, all above on State Highway 12 A, in Duval Co. Noted Aug. 6 and 20.

Okla., Guthrie—Sept. 11, by G. L. Anderson, city clk., grading, curbing and vertical fibre brick surfacing 5,700 sq.yd. and concrete surfacing 4,700 sq.yd. 11th, Oklahoma, Cleveland and Drexal Sts. $37,860. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Washington—Sept. 15, by State Hy. Comn., Olympia, clearing and grading 7 mi. State Highway 13, Grays Harbor Co. $200,000. J. W. Hoover, highway engr.

Calif., Los Angeles—Sept. 8, by Bd. Supervs. Los Angeles Co. grading, curbing, guttering, sidewalks, oiling and screening 767,764 sq.ft. streets in San Dimas. $122,638. G. Jones, Hall of Records, co. engr.

Calif., San Diego—Sept. 14, by Common Council, grading, curbing, sidewalks and 2 in. asphaltic concrete on 5 in. concrete paving 76,828 sq.ft. and 1½ in. asphaltic concrete on 4 in. concrete paving 384,964 sq.ft. L St. between 9th and 32nd Sts.; also grading, curbing, sidewalks and 2 in. asphaltic concrete on 5 in. concrete paving 116,309 sq.ft. Juniper St. F. A. Rhodes, city engr. Noted Aug. 6.

California—Sept. 14, by State Hy. Comn., Forum Bldg., Sacramento, grading, etc. 3.3 mi. road between Big Bear Dam and Fawnskin, San Bernardino Co.; and grading and asphaltic concrete paving 0.5 mi. road between Sacramento and point ½ mi. south, Sacramento Co. R. M. Morton, highway engr.

BIDS RECEIVED

Vermont—Dept. Highways, State House, Montpelier, bituminous macadam paving highway from Brattleboro to Northfield line, to Long, Cross & Burnham, Greenfield, Mass., $59,461.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 2,840 ft. highway in Webster, from H. and H. P. Green, 325 Greenwood St., Worcester $13,700, 2,033 ft. highway in Dighton, from Z. L. Canedy, East Taunton $9,977, 29,495 ft. highway in Middleborough, from Powers Bros., 161 Montello St., Brockton $212,103, 2,340 ft. highway in West Boylston, from C. E. Horne, Milbury $20,179, 3,250 ft. highway in Millis, from W. H. Hinman, Medway $17,295, 3,950 ft. highway in Ashburton, from S. S. Catanese, 151 Harrison Ave., Fitchburg $22,484, 16,135 ft. highway in Wareham, from D'Onfro Bros., Inc., 712 Main St., Leominster, $123,903; gravel surfacing 4,000 ft. highway in Norfolk, from Canedy Constr. Co., Clifford, $13,635, and concrete bridge and approaches on 980 ft. highway in Barnstable, from Eng. Serv. & Constr. Co., 220 Devonshire St., Boston, $39,851. Noted Aug. 20.

N. Y., St. George—J. A. Lynch, boro pres., Boro Hall, Aug. 31, curbing with steel guard, concrete sidewalks and vitr. brick guttering Fingerboard Rd., from J. R. Fox, 270 Herkimer St., Brooklyn, $8,900; bituminous concrete paving Clove Rd., from J. E. Donovan Paving Co., 614 Union St., Brooklyn, $13,788. Noted Aug. 27.

N. J., Bound Brook—Concrete paving 0.5 mi. Vosseller Ave., from Liddle & Pfeiffer, 149 New Brunswick Ave., Perth Amboy, $33,093. Noted July 16.

N. J., Burlington — Burlington Co., Aug. 28, penetration macadam paving 1½ mi. Jacksonville Rd., from W. S. French, Moorestown, $41,782. Noted March 12.

N. J., Hutchinson's Mill (Trenton P. O.) —Freeholders Mercer Co. (Trenton), Aug. 25, concrete paving 12,480 sq.yd. Hutchinson's Mill Rd., here, from Union Paving Co., 30th and Locusts Sts., Phila., Pa. $49,672. Noted Aug. 20.

N. J., Millville—State Hy. Comn., Broad St. Bank Bldg., Trenton, grading and concrete paving, etc. 23,112 sq.yd. Route 20, Sect. 4, from Wallace, Tozour & Wall, Millville, $110,539. Noted Aug. 13.

Streets and Roads (Continued)

N. J., Newton — Sussex Co., concrete paving 2 mi. Sparta-Woodport Rd., from R. B. Cahill & Co., 299 Central Ave., Newark, $84,084. Noted Aug. 13.

Pennsylvania—Dept. of Highways, Harrisburg, Aug. 25, (**R means Route, and A means Application**), one course rein.-con. paving 17,876 ft. R.10, A.3453, Great Bend Twp. Rd., Susquehanna Co., from Bryant & Kohl, 145 Hazle St., Wilkes-Barre, $161,-624; 21,152 ft. R.119, and 68, Unity-Hempfield Twp. Rd., from Herrmann & Gass, 1305 Jefferson St., Latrobe, $224,987 and 9,950 ft. R.288, A.3404, Rostreaver Twp. Rd., from R. H. Cunningham & Sons Co., 617 Penn Ave., Turtle Creek, $82,290, both in Westmoreland Co.; 15,197 ft. A.1950-A and 68, Hopewell-Independence Rd., from Froemming Bros., Inc., 1326 Humboldt Ave., Milwaukee, Wis. $170,346, and 9,550 ft. R.278, A.3421, Green Twp.-Hookstown Boro Rd., from Wilson-Johnston Constr. Co., 107 West College Ave., Appleton, Wis., $90,988, and 13,282 ft. R.115, A.3353, Center-Potter Rd., from J. J. Devine Co., 817 Salt Spring St., Youngstown, O., $115,034, all in Beaver Co.; 21,046 ft. R.75, A.3484, Richland Twp. Rd., Venango Co., from Mosteller & Virgin, 315 Franklin Ave., Wilkinsburg, $176,830; 10,813 ft, A.3488, Spring-Cumru Twp. Rd., Berks Co., from M. Staub, Pitman, N. J., $74,372; 8,894 ft. A.2697, Hatfield Twp. Rd., from Freeland Constr. Co., Amer. Bank Bldg., Hazleton, $63,512 and 9,224 ft. A.3368, R.155, Hatboro Rd., from B. Foster Co., Inc., 20th and Venango Sts., Phila., $83,094, both in Montgomery Co.; 4,747 ft. R.57, Tyrone Boro-Snyder Twp. Rd., Blair Co., from Colgan & Kelly, Lewistown, $66,-748; 8,484 ft. R.214, A.3151, Monroe Boro Rd., Clarion Co., from Ross & Donahoe, Lickingville, $66,304; 6,401 ft. R.29, Derry Twp. Lewistown Boro Rd., Mifflin Co., from J. B. Trexler, Lewistown, $84,777; and 16,-260 ft. R.271, A.3466 and 3682, Union Twps. Union City B, Erie Co., from F. W. Knickenberg, 702 Michigan Ave., Buffalo, N. Y., $126,252. Noted Aug. 13.

Maryland—State Hy. Comn., Baltimore, graveling 2.25 mi. road from Pomonkey towards Marshall Hall, Charles Co., Contr. CH-33, from J. A. Wilmer, La Plata, $23,-183. Noted Aug. 13.

North Carolina—State Hy. Comn., Raleigh, grading and concrete or asphalt paving, etc. 12.2 mi. Project 334, Columbus Co., and 8.8 mi. Project 843, McDowell Co., from H. M. Gregory, Colfax, $338,311 and $272,-758 respectively, 5.4 mi. Project 131-B, Gates Co., from F. J. McGuire, Bankers' Trust Bldg., Norfolk, Va. $132,112, 5.4 mi. Project 947, Haywood Co., from Appalachian Constr. Co., Knoxville, Tenn. $156,-235, 9 mi. Project 675, Rowan Co., from Stearns Bros., Inc., Statesville $219,211, 18 mi. Project 397, Robeson Co., from P. R. Ashby & Co., 421 North Pearson St., Raleigh $377,878, 5.9 mi. Project 558, Montgomery Co., and 4.7 mi. Project 4360, Harnett Co., from Foster Constr. Co., Wilkesboro, $174,591 and $130,731 respectively, and 8 mi. Project 416, Durham Co., from Zeigler Bros., Greensboro, $223,580; clearing, grading, etc. 4.5 mi. Project 594, Rockingham Co., and 4.2 mi. Project 720-B, Caldwell and Catawba Counties, from J. F. Mulligan Constr. Co., North Wilkesboro, $26,599 and $32,200 respectively; grading and sand asphalt paving 15.3 mi. Project 219-B, Dublin and Lenoir Counties, from Wesco Co., Vol. Life Bldg., Chattanooga, Tenn., $295,544; grading and veneer macadam paving 12.1 mi. Project 514, Caswell Co., from W. E. Graham, Mt. Ulla, $162,487.

Ky., Frankfort — City, July 3, from Andrews Sheet Asphalt Co., Rentchler Bldg., Hamilton O., improving Washington St. $5,719, Whipping St. $9,679, West Main St. $22,792, Bway. $2,761, Shelby St. $26,-566, Murray St. $6,994, High St. $7,795, Steel St. $3,389, Conway St. $15,373, Todd St. $11,914, Benson Ave. $5,017; from Gradison Constr. Co., Midland Trail $152,-482 and St. Clair St. $4,713. This corrects report in July 23 issue.

O., Cleveland—Improving Rudyard Rd., Superior and Larchmont Aves., East 57th, 67th, 115th, 118th, 123rd, 163rd, 165th, and West 165th Sts. 33,595 sq.yd. sheet asphalt, 20,200 lin.ft. stone curbing, 21,680 lin.ft. 4 in. drain tile gutter, and 16,080 cu.yd. earth excav., from Cleveland Trinidad Paving Co., The Arcade, $217,187; East 138th St., and West 84th, 90th and 168th Sts., 8,090 sq.yd. sheet asphalt, 3,020 lin.ft. stone curbing, 3,180 lin.ft. 4 in. drain tile gutter, 4,080 cu.yd. earth excav., from Highway Constr. Co., West 112th St. and Madison Ave., $37,169. Noted Aug. 13.

O., Massillon—Asphaltic concrete paving Walnut and Clay Sts., from Bend & Ulrich, Genl. Del. Canton, $37,595 and $26,241 respectively. Engrs. est. $40,000 and $30,-000 respectively. Noted Aug. 20.

Ind., Indianapolis—Asphalt paving 1.7 mi. Pleasant Run Dr., from H. J. Roberts, $61,690, engrs. est. $65,000; and 0.85 mi. Kessler Blvd., from Indiana Asphalt Paving Co., Plant 28 and Columbia St., $28,-113, engrs. est. $31,000, both 35 ft. wide.

Wis., Milwaukee—Dept. Pub. Wks., Aug. 24, from W. F. Hunt, 405 Bway., Vibrolithic concrete paving Lake St. between 23rd and 27th Sts. $3,258, Melvina St. between 24th and 27th Sts. $12,090 and 26th St. between Franklin and Lake Sts., $9,855; from White Constr. Co., 68 Wisconsin St., sheet asphalt paving Martin St. between Edison and East Water Sts., $10,201; from J. Datka, 1147 10th Ave., grading Midland Ave. between Ohio and Holt Aves., $787; from Kroening Constr. Co., 39th Ave. and Mitchell St., curbing, guttering and sidewalks on West 24th, 24th and 25 Sts. between Franklin and Lake Sts., $10,899; from Schwerm Bros., 50 Lee St., concrete paving 1 alley $2,538; and from J. Bluhm & Son, 1298 Achilles Pl., and from A. Retzlaff, 868 Island Ave., concrete sidewalks on 23rd St. between Peace and Franklin St. $576 each.

Wis., Racine—H. A. Nelson, comr. Pub. Wks., Aug. 19, 12,000 sq.yd. one course rein.-con. paving State St., from Brennan & Bounsall, 305 Main St., Kenosha, at $2.70 per sq.yd. Noted Aug. 13.

Wash., Seattle—Bd. Pub. Wks., Aug. 15, grading and paving Highland Park Way et al, from Goetz & Brennan, Seaboard Bldg., $123,102.

Tex., Stamford—B. P. Davenport, mayor, grading and paving with (a) brick, asphalt filler (b) sheet asphalt (c) asphaltic concrete 71,323 sq.yd. various streets, from Thurber Constr. Co. F. & M. Bank Bldg., Fort Worth, (a) 2½ in. $264,104, 3 in. $278,-635; from Smith Bros., Inc., Santa Fe Bldg., Dallas, (b) 1½ in. $221,756, 2 in. $244,036 (c) 1½ in. $205,288, 2 in. $221,756.

Tex., Sulphur Springs—State Hy. Comn., Austin, Aug. 21, grading and rein.-con. pile trestle bridging 8.84 mi. State Highway 1, Federal Aid Project 431-C, Hopkins Co., from Hannah Constr. Co. Box 994, Waco, $60,053. Engrs. est. $70,000. Noted Aug. 20.

Wash., Seattle—Bd. Comrs. King Co., constructing and concrete paving 2 mi. Donohue Rd. 12, Endolyne, 18 ft., from J. H. Collins, Tompson Bldg., $43,800. Noted Aug. 6.

Calif., Los Angeles—Grading, curbing, guttering, sidewalks, and concrete paving 67,733 sq.ft. Lomita St. Impvt. Dist. and 290,116 sq.ft. La Brea Ave., from R. A. Wattson, 1026 McCadden Pl., $21,782 and $172,670 respectively, 419,217 sq.ft. Venice Blvd., from O. U. Miracle, 227 Ave. D, Redondo Beach $207,095, 17,612 sq.ft. alley south of Country Club Dr., from W. Liddington, 420 East 60th St. $4,254, 55,990 sq.ft. Normandie Ave., from G. R. Curtis Paving Co., 2440 East 26th St. $35,280, 7,030 sq.yd. Elm St., from E. B. Wolford, Los Angeles, $3,600; oiling 13,364 sq.ft. McAllister St. and grading, curbing, guttering and sidewalks, on 6,902 sq.ft. Beack St., from Dungan & Callicotte Co., Inc., Los Angeles, $4,471 and $5,473 respectively.

Calif., San Diego—Common Council, Aug. 24, from Griffith Co., 25 14th St., improving 19th St. from B St. to Imperial Ave. 4,836 cu.yd. excav. at $0.75 per cu.yd., 1,395 cu. yd. embankment $0.10, 183,659 sq.ft. 4-in. asphaltic concrete paving $0.143, 6,000 sq. ft. concrete sidewalks, $0.21, 1,282 lin.ft. concrete curbing $0.67, etc total $33,596. Noted Aug. 13.

Calif., San Diego—Common Council, Aug. 17, from H. G. Fenton, 1980 Main St., improving Mission Ave., 25,293 cu.yd. excav. at $1.08 per cu.yd., 18,350 cu.yd. embankment $0.08, 6,173 lin.ft. concrete curbing $0.58, 33,000 sq.ft. concrete sidewalks $0.18, 3 concrete culverts $2,986, total $41,292.

Calif., Vernon—From G. R. Curtis Paving Co., 2440 26th St., Los Angeles, improving Sante Fe Ave., 18,954 lin.ft. curbing at $0.50 per lin.ft., 17,017 sq.ft. guttering $0.24 per sq.ft., 58,374 sq.ft. sidewalk $0.15, 325,857 sq.ft. 1½ in. on 6½ in. asphaltic concrete paving $0.31, total $123,333.

CONTRACTS AWARDED

N. H., Newfields—F. E. Everett, comr. State Hy. Dept., Concord, cut stone and concrete pier and abutments on highway in Newfields, to Ring Constr. Co., 113 Summer St., Bangor, Me., $42,926. Noted Aug. 6.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 2,500 ft. highway in Winchendon, to R. E. Bull, 151 Harrison Ave., Fitchburg $13,975, 2,350 ft. highway in Canton, to Reynolds Bros., Inc., 179 Summer St., Boston $22,948, 3,275 ft. highway in Southborough, to J. Laurnzi, 453 Mechanics St., Leominster, $18,349; bituminous concrete paving 6,336 ft. highway in East Bridgewater, to Washburn & Sheridan, East Taunton, $20,850; concrete bridges and bituminous macadam approaches on 2,347 ft. highway in Dalton, to C. B. Lindholm 24 North St., Pittsfield, $47,092. Grand total $123,214. Noted Aug. 27.

Mass., Boston — Dept. Pub. Wks., recut granite block paving Meriden St., East Boston, to J. W. Connell, 73 Tremont St., Boston, $48,464. Noted Sept. 3.

Rhode Island—State Bd. Pub. Rds., State House, Providence, sheet asphalt and concrete paving 1.35 mi. Contr. 2510 Federal Aid Project 22, Warren and Pawtucket Aves., in East Providence, to New Haven Road Constr. Co., New Haven, Conn., $57,-439, waterbound macadam paving 1.86 mi. Contr. 2512, Federal Aid Project 27, East Main Rd., Tiverton-Little Compton, to J. McCormick, East Providence, $73,000; and gravel surfacing 1 mi. Contr. 2511, Stafford Rd., Tiverton, to Hudson Constr. Co., Newport, $18,143. Grand total $148,582. Noted Aug. 20.

N. Y., Albany—Bd. Contr. & Supply, to M. F. Dollard, 36 State St., repaving Western Ave. $433,949, improving Colonie St. $18,229, Marinello Terrace $13,459, to J. J. Rigney, Albany, Rutland St. $14,688, to H. Dumary, 119 State St., about 850 ft. Tremont St. $16,358, and sewers in 1,550 ft. Central Ave. $14,001; to F. Sheehan, Albany, improving Glendale Ave. $17,687; and sewers in Park and Bethlehem Aves., $1,-892 and $2,472 respectively. Grand total $532,735.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving Houston St., to J. Meehan & Son, 74 Courtlandt St., $3,317 and West 125th St., to C. Helbock, 633 Wales Ave., $8,449. Noted Aug. 27.

N. Y., New York—H. Bruckner, pres., Bronx Boro., 3rd and Tremont Aves., grading, etc. East 197th St., and sewers, etc. in Lacombe Ave., to Remo Realty Co., 645 East Tremont Ave., $8,851 and $7,747 respectively; grading, etc. Sheridan Ave., to T. DiRoma, 33 Evelyn Pl. $25,102, Paulding Ave., A. Gregorio & Co., 1121 Neil Ave. $24,612, and East 196th St. to Burnside Contg. Co., 270 Burnside Ave., $5,955; curbing, etc. Tyndal Ave., to J. Gebert, 82 Bolton Ave., $6,694; retaining walls Harlem River Terrace and Fordham Rd., to H. M. Duffy, 597 East 132nd St., $42,645. Grand total $121,606. Noted Aug. 27.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Richmond Ave., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $34,687; grading, etc. Lexington Ave., etc., to J. Johnson, 455 Bway., West New Brighton, $10,027. Noted Aug. 13 and 20.

Pennsylvania—State Hy. Dept., Harrisburg, (**R means Route and A means application**), rein.-con. paving, etc. 73,875 sq.yd. R.212, Sects. 3 and 8, Burlington Co., to D. Schoentag, Inc., Saugerties, N. Y. $455,-172, 19,902 sq.yd. R.199, Sect. 2, Schuylkill Co., to R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton $93,335, 10,802 sq.yd. R.123, Adams Co., to P. R. Hostetter, Co., Inc., Summer St., York $40,460, 27,351 sq.yd. R. 142, Sect. 4, Chester Co., to E. H. Ellis, 6017 Christian St., Phila. $99,938, 43,221 sq.yd. R. 17, Sect. 6, Bradford and Sullivan Counties, to United Constr. Co., Lock Haven $259,780, 17,404 sq.yd. R. 163, Lehigh Co., to McInerney & McNeal, Inc., 703 Northampton Natl. Bank Bldg., Easton $78,407, 19,985 sq.yd. R. 25, Union and Snyder Counties, to Lincoln Constr. Co., Strafford, $103,114; bituminous on concrete paving 3,584 sq.yd. A. 3414, Erie Co., to Mayer Bros. Constr. Co., 312 Commerce Bldg., Erie, $18,875. Grand total $1,149,081. Noted Aug. 20.

Pa., Uniontown—Fayette Co. Council, hard-surfacing Broad St. between Ford and Owensdale Sts., to Georges Constr. Co., Georges Twp., $70,000.

Md., Baltimore—Grading, curbing and sheet asphalt paving 18,050 ft. streets in Contr. 297-NA, to Roland Park Co., Roland Park, $31,314; grading, curbing and concrete paving 12,830 ft. streets in Contr. 298-NA, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $80,105, and 14,240 sq.yd. streets in Contr. 296 OANA, to Tydings Marine Co., 2 East Lexington St., $40,818. Grand total $152,237. Noted Aug. 27.

Va., Richmond—Windsor Farms Co., 22 mi. vitr. brick sidewalks at Windsor Farms, to Allen Saville Co., City Hall, $95,000.

West Virginia—State Hy. Comn., Charleston, oil finished macadam surfacing 5.2 mi. Northwestern Turnpike, Project 139-B, Hampshire Co., to Monongahela Constr. Co.,

Streets and Roads (Continued)

Fairmont, $199,551; grading, etc. 2.5 mi. Letart-Jackson Co. line Rd., Project 139-B, Mason Co., to Billings & Wellman, Huntington $42,422, and 6 mi. Elk Mountain-Randolph Co. line Rd., Project 149-A, Pocahontas Co., to Kelley Constr. Co., Clarksburg, $83,193. Grand total $325,166. Noted July 23.

North Carolina—State Hy. Dept., Raleigh, grading and plain concrete paving 1 mi. road in Orange Co., to Zeigler Bros., Inc., Greensboro, $28,719.

South Carolina—State Hy. Dept., Columbia, bituminous concrete surfacing 4.6 mi. State Route 8 between Gaffney and Spartanburg, Cherokee Co., to Southern Paving Constr. Co., Vol. Life Bldg., Chattanooga, Tenn., $153,329.

Fla., Tampa—To Union Paving Co., Tribune Bldg., 2 in. filbertine on 6 in. paving 13,800 sq.yd. Cypress St. $48,570, 13,400 sq.yd. La Salle St. from North Blvd. to Francis St. and from Arminia to Cleveland Sts. $55,422, 9,300 sq.yd. portions of Abdella, Cleveland and Dewey Sts. $26,292, and 9,450 sq.yd. Arminia Ave. $33,155. Grand total $163,439. Noted July 30.

Alabama—State Hy. Comn., Montgomery, **(e.e. means engrs. est.)**, 600 ft. earth approaches to Leesburg Bridge over Coosa Rover, 30 ft. Cherokee Co., to C. N. Lowe, Center, $16,976, e.e. $17,000; 400 ft. earth approaches to Eufaula Bridge, 30 ft., Barbour Co. and gravel surfacing 1.25 mi. and sand clay surfacing 9.38 mi. road between Evergreen and Federal Aid Project 32 towards McKenzie, 18 ft., Conecuh Co., to M. M. Bentley, Brantley, $4,875 and $61,857 respectively, e.e. $5,000 and $62,00 respectively; gravel surfacing 2.74 mi. Margerum-Mississippi State line Rd., 18 ft., Colbert Co., to Bessemer Eng. Co., Bessemer, $46,123, e.e. $46,200; asphalt surfacing 0.6 mi. road through York, 30 ft., Sumter Co., to J. A. Taylor, Tuscaloosa, $32,659, e.e. $33,000; sand clay surfacing 5.08 mi. Camden-Butler Co. line Rd., 18 ft., Wilcox Co., to Stallworth Bros., Pineapple, $27,839, e.e. $28,000; grading 16.61 mi. Birmingham-Warrior Rd., 18 ft. Jefferson Co., to Jefferson Co., Birmingham, $110,-702 e.e. $111,000, 3.89 mi. Birmingham-Montgomery Highway, 18 ft., Montgomery Co., to J. A. Patterson, Montgomery, $29,-376, e.e. $29,500. Grand total $330,407. Noted July 23.

La., Mansfield — Police Jury De Soto Parish, constructing Baker Sabine Parish line Rd., to H. M. Silver, Mansfield, $9,296; Pelican Oxford Rd., to I. B. Latimer, Garrison, Tex., $16,465; Longstreet-Texas Line Rd. bridge and Keatchie-Texas Line Rd., to O. B. Sayer, Keatchie, $1,207 and $3,022 respectively. Grand total $29 990. Noted July 30.

Ky., Mayfield—Paving 250,000 sq.yd. various streets, to H. Reed Co., Livingston. Engrs. est. $600,000.

Ohio—Dept. Highways & Pub. Wks., Columbus, grading, etc. 3.362 mi. Sect. A-1 and 3.095 mi. Sect. A-2, Dennison-National Rd., Belmont Co., to Wilson-Miller, Barnesville, $37,936 and $37,562 respectively; substructures on Sects. T and U, Ohio River Rd., Brown Co., to Waters & Freeman Co., Columbus, $38,871 and superstructure, to Perking Structural Steel Co., Wooster, $44,-006; delivering slag and gravel to Sects. G, H, I, J, and Antioch, Woodsfield-Sistersville Rd., Monroe Co., to Shepherd Coal Co., Columbus, $36,550; brick paving 1.894 mi. Sect. "M" Akron Rd., Summit Co., to Grigg-Anderson Co., Millersburg, $15,324; furnishing and delivering brick to Clydesdale Brick & Stone Co., Jenkins Arcade, Pittsburgh, Pa., $5,621. Grand total $215,870. Noted Aug. 20.

O., Brooklyn Heights (mail Independence) —Asphaltic concrete paving, etc. 1 street, to Baldwin Bros., 4500 Euclid Ave. Cleveland, $25,085. Noted Aug. 13.

O., Cleveland—Cuyahoga Co., improving Lakeshore Blvd. 5, 86,200 sq.yd. vitr. brick, 39,700 lin.ft. stone curbing, 42,200 lin.ft. 4 in. drain tile gutter, 47,400 lin.ft. earth excav., to Andrews Asphalt Paving Co., Hamilton, $494,199. Noted Aug. 13.

O., Cleveland—Paving East 55th St., manor, Melville, Natchez, Norway, Park, Parkgrove Pilgrim, Triskett, Unity, Watterson, Wichita and Zenith Aves., to Cleveland Trinidad Paving Co., The Arcade, $339,565. Noted Aug. 6.

O., Warren—Trumbull Co., improving 2 mi. Newton Falls-Tomlinson Rd., and 1.3 mi. Newton Falls-Bailey Rd., both 16 ft., to H. L. Sharp & Co., Warren, $37,672 and $25,834 respectively. Engrs. est. $35,000 and $30,000 respectively.

Indiana—State Hy. Comn., Div. Const. Bridge Dept., Indianapolis, **(r.c.s means rein.-con. slab, r.c.b. rein.-con. box, r.c.a. rein.-con. arch, r.c.g. rein.-con. girder, s.t. steel truss, S.R. State Road and e.e. engrs. est.)** to E. F. Apple, Indianapolis, 1 r.c.s. and 1 r.c.b. on S.R. 39 H, Franklin Co., $11,488 e.e. $12,834; to W. H. Shons Co., 11 South Liberty St., Freeport, Ill., 1 r.c.a. on S.R. 37-D; Delaware Co., 1 r.c.a. on S.R. 11-C, Madison Co., and 1 r.c.g. on S.R. 11-E; Grant Co., $43,571, e.e. $49,175; to Vincennes Bridge Co., Vincennes, 3 s.t. on S.R. 10-E, Knox Co., $41,780 e.e. $49,000, 1 r.c.g. and 2 s.t. on S.R. 10-G1, Sullivan Co., $29,557 e.e. $33,965, 1 s.t. on S.R. 10-G1 and 1 s.t. on S.R. 10-G2, Sullivan Co., $36,460 e.e. $42,135, 1 s.t. on S.R. 22-E, Morgan Co., $27,534 e.e. $34,428, and 1 s.t. on S.R. 43-A, Porter Co., $41,721 e.e. $51,-465; to Winamac Constr. Co., Winamac, 1 s.t. on S.R. 8-F, and 1 s.t. on S.R. 8-G, Lake Co. $13,786 e.e. $16,002, 1 s.t. on S.R. 10-W, Lake Co. $10,109 e.e. $10,109; to W. L. Magaw, Richmond, 4 r.c.a. on S.R. 3-R, Wayne Co., $49,402 e.e. $63,175; to Hay & Campbell Co., Boonville, 3 r.c.g. on S.R. 5-G, and 1 r.c.s. on S.R. 5-H, Orange Co., $11,649 e.e. $15,825; to W. H. Grammer & Sons, Evansville, 2 r.c.g. on S.R. 13-B, Henry Co., and 1 s.t. on S.R. 13-C, Delaware Co., $28,882 e.e. $33,714; to Clements & Clements, Williamsburg, 2 r.c.g. on S.R. 21-C, Wayne Co., $13,350 e.e. $17,582; to Hancock & Kieffer, Brownstown, 2 r.c.s., 1 r.c.b. and 1 r.c.g. on S.R. 22-D, Monroe Co., $12,876 e.e. $16,603; to D. Y. Stout, Crawfordsville, 1 r.c.a. on S.R. 4-Y, Dearborn Co., and 1 r.c.g. on S.R. 53-C, Franklin Co., $12,940 e.e. $12,940; to Winks & Winks, Williamsport, 1 r.c.g. on S.R. 16-G, Spencer Co., $5,829 e.e. $7,479; to Kramer & Gray, Madison, 1 r.c.s on S.R. 40-F, Jefferson Co., $2,298 e.e. $3,626. Grand total $393,232. Noted June 16.

Mich., Detroit—To M. R. Hanna Co., 2700 Six Miles Rd., 3½ in sheet asphalt on 8 in. concrete paving 9,610 sq.yd. Fullerton Ave. $40,432, 1,141 sq.yd. Manistique Ave. $49,-660, 8,530 sq.yd. Martindale Ave. $35,878; to Detroit Asphalt Paving Co., 909 Transportation Bldg., 963 sq.yd. Leib St. $5 150, 2,400 sq.yd. Cloverlawn Ave. $10,089, 8,870 sq.yd. Hamburg Ave. $37,588, 3,995 sq.yd. Holcomb Ave. $17,099, 3,595 sq.yd. Griggs Ave. $15,936, 2,795 sq.yd. Pinehurst Ave. $12,417; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 1,095 sq.yd. Leach Ave. $5,484 1,725 sq.yd. Willard Ave. $8,391, 2,315 sq.yd. LaBelle Ave. $9,702, 3,055 sq.yd. Wildemere Ave. $12,959, 2,090 sq.yd. Quincy Ave. $8,881, 4,890 sq.yd. Fullerton Ave. $21,094, to Cooke Asphalt Paving Co., 13,893 St. Aubin St., 5,0[illegible] sq. yd. Halleck Ave. $21,596, 3,135 sq.yd. [illegible]sse Ave. $13,520. Grand total $325,876.

Ill., Belleville—Grading and concrete surfacing 1,550 sq.yd. Pennsylvania-Virginia Alley, to B. Gundlach, 125 South Virginia St.; grading, curbing and concrete surfacing 2,690 sq.yd. East 31st St., to A. P. Poirot, 721 East Washington St., [illegible]02 sq.yd. North 39th St. and 2,947 ft. vitr. clay sewers, manholes, etc., in 27th, [illegible]th and South 10th Sts., to Hoeffken Bros. Constr. Co., 222 West B St. Total $50,000. Noted July 30.

Ill., Kewanee—Bd. Local Impvts., J. H. Andrews, pres., grading, curbing and Type D or Warrenite-bitulithic surfacing 3,[illegible]00 sq.yd. Rockwell St., to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., $11,782; Type B or rein.-con. surfacing 8,130 sq.yd. Division, Henry and Vine Sts., also 2,495 ft. 12 in. storm sewers, 50 manholes, etc. to Gund-Graham Co., 304-305 Crumb & Forster Bldg., Freeport, Ill., $28,963. Noted Aug. 6.

Wis., North Milwaukee (Milwaukee P. O.)—W. E. Chase, city clk., to Tex Constr. Co., 446 68th Ave., West Allis, vibrolithic concrete paving, etc. 3,900 yd. 42nd and 32nd Sts. at $2.56 per yd., 5,100 yd. Adams Ave. $2.65, to Dean Constr. Co., 382 North Ave., Milwaukee, 460 yd. 34th St. $2.59 and 600 yd. Hopkins Ave. $2.59; and to H. J. Glover & Son, Schwartz Bldg., Kenosha, concrete paving 4,000 yd. various alleys, $2.40. Noted Aug. 20.

Ia., Ottumwa—Brick surfacing Richmond Ave. and Albia Rd., to C. F. Lytle Constr. Co., 625 Trimble Bldg., Sioux City, $39,780, concrete surfacing various other streets, to Cook & Stucker, Ottawa, Kan., $47,295, sewers in various streets, to L. Y. Morlan, Des Moines, $4,862. Grand total $91,937. Noted June 4.

Ia., Sigourney—Keokuk Co., improving 8.651 mi. Primary Road Project 246, 99,000 cu.yd. earth template, 810 cu.yd. excav., 2,800 cu.yd. channel change, etc., to McAndrews & Hannahs, Keokuk, $28,596.

Ia., Toledo — Tama Co., improving Primary Project 428, 7,403 cu.yd. gravel surfacing, to Northwestern Gravel Co., 400 Royal Union Bldg. $11,604, hauling gravel, to C. M. Wilson, Harvey, at $0.37; Primary

SUBWAY—NEW YORK, N. Y.

Bids were opened by Bd. of Transportation, 49 Lafayette St., July 10, for constructing Route 78, Sect. 6, from (A) Rodgers & Hagerty, 70 East 45th St., New York (awarded contract); (B) Frederick L. Cranford, Inc., 149 Remsen St., Brooklyn; (C) Underpinning & Foundation Co., 342 Madison Ave., New York. The unit bids are as follows:

	A	B	C
*44,000 cu.yd. earth excavation (a) disposal at 145th St.	$12.00	$13.30	$17.50
†44,000 cu.yd. earth excavation (b) disposal at 96th St.	14.00	13.80	18.00
*232,000 cu.yd. rock excavation (a) disposal at 145th St.	12.00	13.30	17.50
†232,000 cu.yd. (b) disposal at 96th St.	14.00	13.80	18.00
7 furnishing and planting trees	100.00	40.00	60.00
*48,000 cu.yd. tunnel excavation (a) disposal at 145th St.	18.00	20.50	20.00
†48,000 cu.yd. (b) disposal at 96th St.	18.00	21.00	21.00
47,000 sq.yd. concrete masonry in place	23.00	22.00	22.00
206,000 sq.ft. rubbed surface	.10	.15	.15
4,900 cu.yd. protective concrete	23.00	22.00	22.00
2,200 sq.yd. rubble stone masonry	14.00	11.00	22.00
10 cu.yd dry rubble masonry	15.00	10.00	22.00
500 cu.yd brick masonry	40.00	40.00	60.00
20 cu.yd removal and disposal of old masonry	15.00	50.00	100.00
50 cu.yd hollow terra cotta	50.00	45.00	60.00
3,000 bbl. portland cement grout	4.00	8.00	8.00
400 sq.yd. plastering on hollow tile	1.20	2.00	3.00
150 1,000 B.M. tunnel timbering	100.00	150.00	300.00
30 cu.yd broken stone or gravel	4.00	5.00	6.00
10,000 sq.yd. waterproofing treated fabric (a) 1 ply	1.35	1.30	1.00
20,500 cu.yd. (c) 3 ply	4.00	2.20	2.50
200 cu.yd. (f) 6 ply	8.00	5.00	5.00
100 cu.yd. (i) dry ply	1.35	1.00	1.00
630 cu.yd. waterproofing brick in mastic ( ) 1 layer	54.00	55.00	50.00
10 cu.yd. (b) 2 layers	50.00	50.00	50.00
1,400 lin.ft. cast iron pipe and fittings (a) 3 in.	1.00	1.50	1.20
100 lin.ft. (b) 4 in.	1.25	2.00	1.60
1,500 lin.ft. (c) 6 in.	2.50	2.00	2.40
5,000 lin.ft. (d) 8 in.	3.00	3.00	3.20
900 lin.ft. (e) 10 in.	5.00	4.00	4.00
20 lin.ft. standard galvanized steel pipe (a) 3 in.	1.25	2.00	1.20
100 lin.ft. (b) 4 in.	1.50	2.00	1.60
100 lin.ft. (c) 6 in.	3.00	4.00	2.40
240 lin.ft. (d) 8 in.	4.00	6.00	3.20
150 lin.ft. (e) 10 in.	6.00	7.00	4.00
151,000 duct ft. tunnel ducts	.30	.30	.35
1,100 cond. ft. 3 in. fibre conduit	.30	.40	.40
2,300 ton riveted steel	120.00	120.00	150.00
15 ton architectural iron and steel	400.00	425.00	400.00
650 sq.ft. steel doors (b) sliding doors	6.00	5.00	7.00
100 sq.ft. (d) swing doors	6.00	8.00	7.00
3 emergency exit covers	500.00	500.00	500.00
4,000 ton steel beams and shapes	120.00	120.00	150.00
200 ton steel rods and bars in concrete	110.00	100.00	150.00
40 ton miscellaneous iron castings	200.00	200.00	200.00
5,500 lb. special wire forms in place	.20	.30	.30
11,500 lin.ft. oak or ash hand rail	.50	.75	.60
1,100 sq.ft. steel grating for ventilation	4.00	3.50	4.50
200 sq.ft. vault lights in place	5.00	3.50	4.50
4,800 sq.yd. Street surface restored (a) within curb line	3.00	3.00	3.60
19,400 sq.yd. (e) asphalt	5.00	3.50	5.00
4,900 sq.yd. (f) granite block	5.50	4.50	5.00
500 sq.yd. (g) asphalt block	6.00	5.00	5.50
100 lin.ft. (i) 6 in. B.S. Curb	2.50	3.00	2.50

	A	B	C
300 lin ft. (k) 8 in. granite curb	4.00	5.00	3.50
800 sq yd. 3 in finish concrete walls and slabs	3.00	3.00	6.00
24,800 sq. yd temporary pavement granite blocks	3.00	3.00	4.00
23,000 lin ft steel elec. conduits (a) ¾ in. in stations	.40	.60	.36
100 lin ft. (b) 1½ in. in stations	.80	1.00	.72
18,000 lin ft. (d) 1 in. in stations	.50	.60	.60
10 lin ft (g) 2½ in. in stations	1.00	5.00	1.25
2,050 4x4x3 in. c.i. outlet boxes in stations	2.50	2.50	2.00
20 cast iron pull boxes (a) 6x6x4 in.	6.00	5.00	4.00
2 6x12x3 in.	8.00	15.00	10.00
250 lin ft. ci.. pipe and fittings (a) 6 in.	3.00	3.00	3.00
375 lin.ft. (b) 3 in.	1.50	3.00	1.50
140 lin ft. (c) 4 in.	2.00	3.50	2.00
100 lin ft. (f) 8 in.	4.00	4.00	4.00
200 lin.ft. vitrified pipe sewer 12 in.	6.50	8.00	10.00
300 lin.ft. vitrified pipe sewer 8 in.	5.00	5.00	9.00
1,000 lin.ft. vitrified pipe sewer 15 in.	7.00	8.00	12.00
1,000 lin ft. vitrified pipe sewer 18 in.	8.00	10.00	15.00
220 lin.ft. vitrified pipe sewer 20 in.	10.00	11.00	18.00
300 lin.ft. vitrified pipe sewer 22 in.	12.00	11.00	20.00
100 lin.ft. vitrified pipe sewer 24 in.	14.00	12.00	22.00
12 ton c.i. sewer pipe, straight pipe	120.00	175.00	180.00
6 ton c.i. sewer pipe, special castings	250.00	275.00	270.00
620 lin.ft. flat top reinforced concrete sewer 3 ft. 6 in. x 2 ft. 4 in.	20.00	20.00	20.00
5,000 lin.ft. electric underground trolley (a)	25.00	11.00	20.00
2,000 lin.ft. water pipe in streets 6 in.	2.00	4.00	1.20
100 lin.ft. water pipe in streets 12 in.	3.00	5.00	2.40
100 lin.ft. water pipe in streets 20 in.	7.50	8.00	4.00
100 lin.ft. water pipe in streets 36 in.	12.00	10.00	7.00
40 service connections	50.00	50.00	50.00
200 lin.ft. c.i. and steel gas pipe 6 in. c.i.	2.00	3.50	1.20
100 lin.ft. c.i. and steel gas pipe 8 in. c.i.	2.50	5.00	2.00
100 lin.ft. c.i. and steel gas pipe 12 in. c.i.	3.00	6.00	2.40
300 lin.ft. c.i. and steel gas pipe 20 in. c.i.	7.50	8.00	4.00
500 lin.ft. c.i. and steel gas pipe 30 in. c.i.	10.00	9.00	6.00
900 lin.ft. steel by-passing pipe (a) 6 in. upon or below	6.00	6.00	7.00
5,300 lin.ft. (b) 8 in.	8.00	7.00	10.00
1,800 lin.ft. (d) 12 in.	11.00	9.00	15.00
120 lin.ft. (f) 20 in.	18.00	16.00	30.00
120 lin.ft. (j) 30 in.	30.00	20.00	40.00
100 lin.ft. steel by-passing pipe (a) 12 in overhead	15.00	11.00	15.00
3,800 lin.ft. (c) 20 in. overhead	22.00	12.00	20.00
4,000 lin.ft. (e) 30 in. overhead	35.00	16.00	30.00
2,220 lin.ft. trestle to support by-passing pipe (h)	10.00	10.00	6.00
1,700 lin.ft. cable suspension for by-passing over 16 in. (i)	10.00	10.00	8.00
200 lin.ft. cable suspension for by-passing 16 in. or under (j)	10.00	10.00	8.00
40 service conn. for gas pipes	50.00	50.00	60.00
80 ton c.i. hub and spigot water pipe	90.00	115.00	180.00
10 ton c.i. hub and spigot water pipe special castings	200.00	230.00	270.00
60,000 duct ft. vitrified clay elec. ducts	.60	.50	.50
100 lin.ft. steel pipe electric ducts (a) 2½ in.	.80	2.25	1.00
100 lin.ft. (b) 3 in.	1.00	2.50	1.00
100 lin.ft. (c) 3½ in.	1.20	3.00	1.20
100 lin.ft. (n) 2 in.	.70	2.00	1.00
40 service connections	100.00	75.00	50.00
100 lin.ft. wooden electric ducts and conduits (a) 3 in.	.60	1.00	1.00
100 lin.ft. fibre electric ducts and conduits (a) 3 in.	.60	1.00	1.00
10 service boxes re-located ducts	200.00	250.00	100.00
10 junction boxes re-located ducts	600.00	300.00	250.00
10 additional junction boxes	800.00	750.00	300.00
*Total does not include items for disposal at N. R. 96th to 120th St.	$7,321,179	$7,514,435	$9,142,409
†Total does not include items for disposal at 145th to 155th St.	7,873,179	7,676,435	9,328,409

Streets and Roads (Continued)

Project 309, 4.938 mi. grading, 59,778 cu.yd. excav. and 64,360 cu.yd. overhaul, to Swanson Constr. Co., Keokuk, $14,213.

Minn., Waseco — J. Madigan, city clk., about 36,950 ft. sanitary sewers, etc. in various streets, to L. Hanson, Hawley, $41,-410. Noted Aug 6.

Kan., Coffeyville—Improving various streets, 11,820 sq.yd. concrete surfacing, 495 sq.yd. re-surfacing, 7,790 cu.yd. excav., 5,320 ft. curb and gutter, 11,456 sq.ft. sidewalks and 725 ft. concrete retaining wall, to Charles Stanton, Coffeyville, $52,759.

Kan., Hill City—Improving McFarland, Pomeroy Sts., etc., 12,600 sq.yd. vibrated concrete paving, 4,200 cu.yd. grading, 3,459 sq.ft. curbing and guttering, etc., to M. W. Watson, 1196 Boswell St., Topeka, $92,355. Noted Aug. 6.

Kan., Kingman—To H. J. Taylor, Belleville, improving various streets, 10,000 sq.yd. 3 in. vitr. brick on 5 in. concrete paving at $2.35 per sq.yd., grading at $0.40, curb and gutter $0.75, trenching at $0.35, etc. Noted Aug. 27.

Kan., Olathe — Johnson Co., single surface treating 2.75 mi. 63rd St. and Porter Rd., to J. C. Nichols, Olathe, and 3.675 mi. Midland Trail and Southwest Blvd., to J. S. Miller, Olathe.

Kan., Winfield — Grading, curbing and brick on 5 in. concrete paving South Main St., to M. R. Amermann, 246 North Market St., Wichita, $63,271.

Neb., McCook—Grading, curbing, concrete paving, etc. 10,720 sq.yd. Paving Dist. 8, to Allied Contractor, Inc., 1803 Douglas St., Omaha.

Neb., McCook—Warrenite bitulithic concrete paving West 4th St., to Allied Contractors, 1803 Douglas St., Omaha. $35,509.

Neb., Plattsmouth—J. J. Cloidt, city clk., vitr. brick paving 18,065 sq.yd. streets in Dists. 34, 35, 36, 37, 38 and 39, to J. Kerns Constr. Co., 1809 Dodge St., Omaha, $50,-000. Noted Aug. 13.

Nebraska—R. L. Cochran, engr. for State Hy. Dept., Lincoln, **(F. A. P. means Federal Aid Project)** (a) grading (b) gravel surfacing (c) bridges (d) paving and (e) culverts on (1) 3.1 mi. F. A. P. 56-C, Hamilton Co. (2) 12.5 mi. F. A. P. 56, Seward-York Rd., Seward Co. (3) 5.9 mi. F. A. P. 56, York-Aurora Rd. (4) 7.8 mi. F. A. P. 56, York-Aurora Rd., York Co. (5) 4.5 mi. F. A. P. 56-B, York Co. (6) 4 mi. F. A. P. 55-D, Fillmore Co. (7) 12 mi. F. A. P. 25, Jefferson Co. (8) 4.9 mi. F. A. P. 27, Saunders Co. (9) 21.2 mi. F. A. P. 2-B, Nemaha Co. (10) 13.8 mi. F. A. P. 43-A, Johnson Co. (11) 6.7 mi. F. A. P. 50-B, Nance Co. (12) 3.6 mi. F. A. P. 50-D, Nance Co. (13) 24.1 mi. F. A. P. 2-A, Richardson Co. (14) 3.2 mi. F. A. P. 122-B, Pawnee Co. (15) 11.7 mi. F. A. P. 143-A, York Co. (16) 3.9 mi. F. A. P. 171-B, Fillmore Co. (17) 2.4 mi. F. A. P. 139-L, Madison Co. (18) 6 mi. F. A. P. 181, Buffalo C (19) 5.2 mi. F. A. P. 259-A, Hall Co. (20) 28 mi. F. A. P. 29, Butler Co. (21) 8.97 mi. F. A. P. 5, Platte Co. (22) 3.4 mi. F. A. P. 14-C, Boyd Co. (23) 17.4 mi. F. A. P. 22, Custer Co. (24) 6.5 mi. F. A. P. 23, Burt Co. (25) 5.7 mi. F. A. P. 153-D, Cass Co. (26) 11.5 mi. F. A. P. 211, Gage Co. (27) 3.8 mi. F. A. P. 255-A, Nemaha Co. (28) 11.7 mi. F. A. P. 155-A, Lancaster Co. (29) 9.5 mi. F. A. P. 133-E, Lancaster Co. (30) 4.9 mi. F. A. P. 138-A, Sarpy Co. (31) 28.8 mi. F. A. P. 200, Holt Co. (32) 13.2 mi. F. A. P. 203-A, Antelope Co. (33) 11.1 mi. F. A. P. 58-B, Colfax Co. (34) 5.4 mi. F. A. P. 143-E, Polk Co. (35) 2.2 mi. F. A. P. 145-B, Kearney Co. (36) 14 mi. F. A. P. 42-B Loup Co. (37) 15.3 mi. F. A. P. 229, Burt Co. (38) 8.5 mi. F. A. P. 238-A, Brown Co. (39) 10 mi. F. A. P. 248, Kearney Co. (40) 9.9 mi. F. A. P. 205-A, Webster Co. (41) 7 mi. F. A. P. 207-B, Boone Co. (42) 4 mi. F. A. P. 216-B, Merrick Co. (43) 7.4 mi. F. A. P. 222-B, Howard Co. (44) 1.85 mi. F. A. P. 117-C, Oshkosh Co. (45) 9.5 mi. F. A. P. 205-B (46) 15.5 mi. F. A. P. 221-B, Lincoln Co. (47) 4.7 mi. F. A. P. 46, Red Willow Co. (48) 6 mi. F. A. P. 71-C, Harlan Co. (49) 8.2 mi. F. A. P. 95-B, Chase Co. (50) 3.7 mi. F. A. P. 149-A, Cheyenne Co. (51) 4.1 mi. F. A. P. 148-B, Cheyenne Co. (52) 2 mi. F. A. P. 186-B, Kimball Co. (53) 2 mi. F. A. P. 191, Dundy Co. (54) 4.4 mi. F. A. P. 224-C, Keith Co. (55) 8 mi. F. A. P. 242-A, Box Butte Co. (56) 13.5 mi. F. A. P. 242-B, Morrill Co. (57) 6.6 mi. F. A. P. 243-A, Hitchcock Co. (58) 24. mi. F. A. P. 245-A, Red Willow Co. (59) 1.8 mi. F. A. P. 249-A, Garden Co. (60) 5.5 mi. F. A. P. 249-B, Garden Co. (61) 10.3 mi. F. A. P. 260, Dueel Co. (62) 5.7 mi. F. A. P. 265-A, Dawes Co. (63) 10.5 mi. F. A. P. 98-B, Saline Co. and constructing bridge on (64) F. A. P. 57, Dixon Co., to Houston & Sons, Kearney, (a1) $5,623 (a5) $10,335 (a39) $20,787 (a59) $3,286; to Central Constr. Co., Central City, (b1) $7,624 (b3) $14,411 (b4) $18,986 (b15) $28,715 (b34) $10,545 (b42) $8,933; to Central Bridge & Constr. Co., Wahoo (b8) $11,206 (b41) $9,433; to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha (b6) $11,427 (b20) $58,236 (b21) $28,410 (b25) $2,517; to Western Bridge & Constr. Co. 748 Peters Trust Bldg., Omaha (b7) $30,545 (b10) $38,396 (b13) $59,881 (b16) $10,893 (b44) $2,920 (b52) $3,385 (b55) $12,400 (b59) $2,562 (b60) $5,549 (b62) $2,772 (b63) $26,220 (c41) $10,868 (c61) $3,565; to Lamereauz Bros., 416 Arthur Bldg., Omaha (b9) $45,356; to Modern Constr. Co., Plattsmouth (b12) $9,389; to Peterson, Shirley & Gunther, 1411 W. O. W. Bldg., Omaha (a14) $13,690 (a27) $10,946 (a31) $85,364 (a32) $40,134 (a36) $45,628 (a38) $7,388 (a43) $24,767; to Allied Constr. Co., 1803 Douglas St., Omaha (b18) $15,474 (b23) $33,354; to F. J. Terry, Norfolk (b17) $4,337; to A. C. Lund, Kearney (b19) $9,584 (b35) $3,853; to Union Constr. Co., Kearney (b36) $20,276 (a44) $7,623 (b49) $20,072; to B. Latta, Tekamah (b24) $14,580 (b37) $19,798; to J. W. Wachter, 1805 Dodge St., Omaha (a25) $16,314; to Roberts Constr. Co., 415 1st Natl. Bank Bldg., Lincoln (b26) $32,936 (a33) $10,895 (a34) $6,371; to E. Bowker, Kearney (b38) $3,010; to G. W. Condon, 514 Federal Reserve Bldg., Omaha (a40) $32,026; to Artificial Stone Co., Bruning (c40) $23,038; to Theisen Bros., Osmond (a41) $25,842; to W. A. McNeel, Hershey (a42) $6,363; to Mid State Constr. Co., Hastings (c43) $15,861 (c49) $6,376; to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha (c43) $3,514 (c64) $8,731; to R. R. Knight, Rockwell, Ia. (a45) $34,507, to Reel & Kennedy, Dalton (b50) $3,588; to Bliss & Bliss, Mankato, Kan. (c45) $31,235; to E. Walker, North Platte (b46) $21,230; to Bump Constr. Co., Prairie View, Kan. (a48) $4,007 (b54) $5,450; to Monarch Eng. Co., Falls City (c30) $4,347 (c48) $4,820; to Adams & Brooks, Mitchell (a48) $8,030; to G. J. Carpenter, Morrill (a55) $26,544; to J. H. Miller, Cordova (a56) $86,476; to E. W. Kolterman, 518 South 51st Ave., Omaha (a49) $17,749 (a57) $16,830 (a58) $34,748; to T. S. Withers, Lyman (b60) $15,243; to Anderson & Gallagher, Harrison (a62) $13,947; to M. F. Morrissey, Chadron (c62) $4,980; to J. Sherlock Constr. Co., 1805 Dodge St., Omaha (a30) $8,523; to F. L. Busche, 4118 North 39th St., Omaha (b30) $9,827; to J. J. Parks, 4 Bankers Savings Bldg., Omaha (d30) $22,-204; to Metz Constr. Co., Springfield (c30) $9,574, to Abel Constr. Co., 318 Terminal Bldg., Lincoln (b28) $28,420 (a29) $27,450; to C. Christensen, Spencer (c22) $17,866; to Home Constr. Co., Humboldt (c29) $15,-542, to Kohler Lumber & Coal Co., Sterling (c34) $18,297; to Walters & Walters, Franklin (c45) $27,353; to Steel & Oliver, Gurley (a51) $7,370; to C. T. Whalen, North Platte (a56) $2,183; to Nance County (b11) $14,504; to Red Willow County (b46) $10,238; to Kearney County (a35) $1,659 and to Dundy County (a53) $6,584. Grand total $1,654,872. Noted July 16.

North Dakota—State Hy. Comn., Bismarck **(F.A.P. means Federal Aid Project)**, surfacing 9.182 mi. F.A.P. 151, southeast of Carrington, Foster Co., to F. H. Reed, Ellendale, $17,661; grading and sand clay surfacing 12.236 mi. F.A.P. 282, from Sterling south through Moffit, Burleigh Co., to R. S. Burnstad, Burnstad, $34,878, concrete items to C. V. Anderson, Baldwin, $2,356. Grand total $54,895. Noted Aug. 6.

North Dakota—State Hy. Comn. and City Council, Lidgerwood, curbing, guttering and 7½ in. concrete with crushed rock aggregate paving 14,897 sq.yd. Federal Aid Project 287A, through Lidgerwood, to W. E. Kennedy, 7 Bway., Fargo. $47,632. Noted Aug. 27.

North Dakota—State Hy. Comrs., and Bd. Comrs. Grand Forks Co., at Court House, Grand Forks **(F.A.P. means Federal Aid Project)** graveling, etc. 12.897 mi. F. A.P. 217 A and B, State Road east of Niagara, 11 mi. F.A.P. 131 A and B, north and south through Inkster, 9.439 mi. F.A. P. 117, A and B, from Larimore north, and 0.417 mi. F.A.P. 246A, in Larimore, to M. D. Buttler, Grand Forks, $34,209. Noted Aug. 6.

Montana — State Hy. Dept., Helena, gravel surfacing approximately 10.86 mi. Custer Battlefield Highway, Big Horn Co., to Pioneer Constr. Co., Bozeman, $85,053; and 13.89 mi. Carlow-Cutbank Sect. of Roosevelt Highway, Glacier Co. and Black-

Streets and Roads (Continued)

feet reservation, to Lewistown Constr. Co., Lewistown, $58,686.

Mo., Benton—Little River D.D., J. H. Himmelbergen, pres. Bd. Supervs. at Cape Girardeau, 53,000 cu.yd. excav. and 5,900 sq.yd. gravel surfacing, etc. road near here, to W. E. Callahan Contr. Co., Ry. Exch. Bldg., St. Louis, $20,180; constructing bridges on above road, to C. A. Tant Constr. Co., Portagesville, $5,686. Noted Aug. 13.

Tex., Boston—F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging, etc. 5.41 mi. State Highway 5 between New Boston and Red River, State Aid Project 605, 26 ft., to C. W. Burgess, Kirby Bldg., Dallas, $21,467. Engrs. est. $28,215. Noted July 23.

Tex., Henrietta — J. P. Williams, judge Clay Co., grading, bridging, etc. 6.05 mi. Henrietta-Jacksboro Rd., 26 ft., to Womack Constr. Co., Sherman, $28,756. Engrs. est. $30,000.

Tex., Houston—Paving Canal to Buffalo Sts. and Eagle Ave. from Fannin to La Branch St., to Uvalde Rock Asphalt Co., Bankers' Mortgage Bldg., Houston, $58,127 and $17,741 respectively. Engrs. est. $60,000.

Okla., Mangum — Grading and concrete paving 13,500 sq.yd. Oklahoma Ave., from Cleveland St., to Brooklyn 18, also Powers St., to T. E. Ward, 4401 Classen St., Oklahoma City, $41,634. Engrs. est. $43,-600.

Okla., Tulsa—Grading, curbing and paving 5,679 sq.yd. various streets in Dist. 660, to Tibbetts & Pleasant, 229 North Nogales St., $26,255.

Washington—Cowlitz, Chehalis & Cascade R.R. Co., Chehalis, grading 6 mi. road extension from Lacamas to Salkum, 50 to 100 ft., to Graham Bros. & Medley, Chehalis. Noted July 2 under "Railroads."

Washington—State Hy. Dept., Olympia, clearing, grading and gravel surfacing 5 mi. Olympic Highway, Mason Co., to J. Allen Eng. Co., Olympia, $126,067, 4.6 mi. Chelan-Okanogan Highway, Okanogan Co., to Cole & Strong, Wenatchee, $25,525. Noted Aug. 6.

Wash., Bremerton—City Council, 6 in. concrete paving 17,700 sq.yd. 6th, 7th, Vente and Chester Sts., to R. L. Rowland, 620 Olympic Pl., Seattle, $53,085. Engrs. est. $64,233.

Wash., Seattle—King Co., concrete paving 11,276 sq.yd. Donohue Dist. 12, Endolyne, to J. H. Collins, Puyallup, $43,800. Engrs. est. $41,046.

Calif., Merced — Supervs. Merced Co., Willite concrete paving 3.1 mi. Los Banos Rd., Yosemite-to-the-Sea Highway, to Valley Paving & Constr. Co., 15th and G Sts., $45,764. Noted July 30.

Ont., Chippawa—Curbing, guttering and sheet asphalt on concrete paving 18,000 sq.yd. various streets, to Brennan Constg. Co., 400 Gage Ave. N. Hamilton. Engrs. est. $75,000. Noted July 9.

Ont., Ottawa—Bd. Control, sheet asphalt paving St. Patricks St., to Standard Paving Co., Ltd., Central Chambers, Elgin St., $116,000. Noted Aug. 20.

Ont., Ridgetown—W. A. Smith, chn. Bd. Works, rein.-con. paving Main St., to Cadwell Sand & Gravel Co., Windsor. Engrs. est. $40,000. Noted Aug. 13.

B. C., North Vancouver—Concrete paving, ⅞ mi. approach to North end of Second Narrows Bridge, to Cotton Co., Ltd., False Creek Yards, Vancouver, at $2.85 per sq.yd., total $27,250. Engrs. est. $30,000.

Buildings—Industrial

PROPOSED WORK

Mass., Charlestown (Boston P. O.)—SHOP—City, Schoolhouse Dept., City Hall, having plans prepared by G. S. McLaughlin, 80 Boylston St., Boston, 1 story and basement, 60 x 125 ft. wood and metal working shop, brick. $40,000.

Mass., East Boston (Boston P. O.)—MILL—Maverick Mills, 144 Addison St. will not construct 2 story and basement, 40 x 60 ft. brick and timber, Addison St. $40,000. Project abandoned. Noted Aug. 20.

Mass., Everett (Boston P. O.)—PLANT—Merrimac Chemical Co., 148 State St., Boston, having plans prepared 1 and 2 story, brick addition, here. $40,000. Private plans.

Mass., Framingham—MANUFACTURING—Dennison Mfg. Co., Howard St., plans 2 story manufacturing building. To exceed $40,000. W. S. Fitch, c/o owner, engrs.

Mass., Rutland—SHOP and GARAGE—Prescotts Bus Line, c/o C. Prescott, Maple Ave., plans brick and steel repair shop and garage. $40,000. Engineer and architect not selected.

Conn., Bridgeport—TYPEWRITER RIBBON FACTORY — Remington Typewriter Co., Railroad Ave., had plans prepared 3 story, rein.-con., brick and steel addition. $50,000. Private plans.

Conn., Waterbury—FACTORY—A. H. Wells & Co., 563 Watertown Ave., had plans prepared 1 story, 100 x 145 ft., brick and concrete addition. $50,000. Private plans.

N. Y., Buffalo—CREAMERY—Fairmount Creamery Co., 172 Michigan Ave., soon lets contract 9 story and basement, 100 x 128 ft., brick and rein.-con. creamery. $500,-000. Plumer & Mann, 700 Main St., archts.

Pa., Phila.—DYEING and CLEANING—Ballinger Co., archts., 12th and Chestnut Sts., rejected bids Aug. 20, 1 story, 234 x 235 ft., rein.-con., brick and steel, plain foundation, Heiskill and Magnolia Sts., for Herzog Co., Inc., 5904 Germantown Ave. $200,000.

Pa., Wilkes-Barre—WIRE ROPE FACTORY—Hazard Mfg. Co., 81 Ross St., having plans prepared by McCormick & French, 2nd Natl. Bank Bldg., wire rope factory. $500,000.

Md., Baltimore—SHOP—Kimball-Tyler Co., 261 South 8th St., had plans prepared by Stehl & Michel, 100 North Liberty St., 1 story, rein.-con. and brick, plain foundation, 8th St. $75,000.

Ga., Rossville—POWER PLANT—Peerless Woolen Mills, soon takes bids 140 x 460 ft. concrete and brick power house. W. H. Sears, James Bldg., Chattanooga, Tenn., engr.

Fla., Ft. Pierce—ICE PLANT—St. Lucie Ice Co., R. Wythe, pres., plans 150 ton ice plant. $150,000.

Fla., St. Petersburg—GAS PLANT—City, election Sept. 8, $254,000 bonds, extension to gas plant; and $236,000 bonds, extending gas mains in various streets. S. S. Martin, dir. Finance.

Fla., St. Petersburg—POWER PLANT—Election Sept. 8, $235,000 bonds, 2 additional units to power plant. S. S. Martin, dir. Finance.

La., Cedar Grove—PLANING MILL—Red River Lumber Co., Shreveport, plans planing mill, at plant, here.

Wis., Mauston — CREAMERY—Mauston Creamery Co., L. Larsen, pres., plans 2 story, 46 x 60 ft., brick and concrete, plain foundation. $40,000. Private plans.

Wis., Milwaukee—MANUFACTURING—A. O. Smith Co., 27th St. and Keefe Ave., having plans prepared by E. W. Burgess, archt. and engr., c/o owner, 1 story, 182 x 520 ft., concrete and steel, plain foundation, 27th St. $90,000. Structural steel, for above to Lakeside Bridge & Steel Co., North Milwaukee.

Wis., Milwaukee—MANUFACTURING—Wellauer Estate, 3324 Sycamore St., plans rebuilding 4 story manufacturing plant, Huron St., recently destroyed by fire. To exceed $40,000. Engineer and architect not selected. Reichardt Automotive Supply Co., 91 Huron St., lessee.

Tex., Brownsville—ICE and COLD STORAGE PLANT—Brownsville Ice & Cold Storage Co., plans 30 x 50 ft., concrete and brick plant, 45 ton capacity, near Rio Grande Ry. Station. $100,000. H. S. Shaner, c/o owner, engr.

Tex., Donna—PACKING PLANT—H. Hansen, Donna, plans canning and packing plant. $40,000. Private plans.

Tex., Eagle Lake—COTTON MILLS—Independent Cotton Mills, having plans prepared by B. H. Faber, engr. and archt., Eagle Lake, 2 story, concrete mill. $250,-000.

Tex., El Paso—COTTON COMPRESS—Newburger Cotton Co., having preliminary plans prepared cotton compress., rein.-con. and brick. $250,000. Engineer and architect not selected.

Tex., El Paso—SUGAR MILL—A. Y. Smith, Pearce, Ariz., plans 2 story and basement, rein.-con. and brick, plain foundation, here. $200,000. Private plans.

Tex., Kingsville — ICE PLANT — West Texas Utilities Co., Frost Bldg., San Antonio, and Kingsville Ice & Electric Co., making plans 50 ton ice plant and 1,000 ton storage plant. $100,000. Private plans.

Tex., Lamesa—COTTON MILL—M. A. Fuller Cotton Oil Co., Snyder, making plans 2 story, rein.-con. and brick, plain foundation, here. $130,000. Private plans.

Tex., Mexia — CHEMICAL PLANT — Western Agricultural Chemical Co., having preliminary plans prepared 2 story and part basement, 60 x 200 ft., rein.-con. and brick, plain foundation. $50,000. Private plans.

Tex., Wichita Falls—CREAMERY—Mistletoe Creamery Co., making surveys, 2 or 3 story, 50 x 100 ft., rein.-con., brick and stone, plain foundation. $100,000. Engineer and architect not selected.

Tex., Yoakum—HOSIERY MILL—Yoakum Hosiery Mills Co., having preliminary plans prepared 1 story, 100 x 200 ft., rein.-con., brick and stone, plain foundation. $75,000. Private plans.

Ont., Wallaceburg—GLASS PLANT—Dominion Glass Co. having plans prepared rebuilding and enlarging flint glass plant, storage building, etc. $100,000. Private plans.

BIDS DESIRED

Mass., Dorchester (Boston P. O.)—FACTORY — Skinner Organ Co., Sydney St., taking bids 2 story, brick addition, Sydney St. and Crescent Ave. $40,000. Monks & Johnson, 99 Chauncy St., Boston, archts.

N. J., Atlantic City—POWER PLANT—Sept. 4, by Stewart & Jelett Co., engrs., 12th and Locust Sts., Phila., 6 story, 75 x 124 ft., brick and steel power plant. $200,000.

Md., Baltimore—BAKING PLANT—Sept. 14, by C. B. Comstock, archt., 116 West 40th St., New York City, 2 and 3 story, rein.-con., brick, plain foundation, 20th, Sherwood, Harford, and North Sts., here, for General Baking Co., 342 Madison Ave., New York City. Noted May 14.

O., Cleveland — DAIRY and BOILER HOUSE — Ohio Farmers Co-operative Mills Co., R. W. Strong, secy., 3068 West 106th St., taking bids and opens same about Aug. 28, 1 story, 40 x 80 ft. and 40 x 40 ft., brick, steel and concrete dairy and boiler house. $50,000. Wright & Hohl, 4614 Prospect Ave., archts. Noted July 23.

O., Cleveland — FACTORY and WAREHOUSE—Vitrolite Co., C. A. Myers, pres., 2907 Detroit Ave., taking bids 2 story and basement, 44 x 147 ft., brick and steel, 2909 Detroit Ave. $50,000. A. B. Sylvanus & Co., 6014 Euclid Ave., archts. Noted July 23.

O., Lorain—BAKERY—J. Spang Baking Co., J. Spang, pres., 2701 Barber Ave., Cleveland, taking bids, 1 story, 70 x 100 ft., brick and steel addition, here. $40,000. E. Huberty, 5503 Utica Ave., Cleveland, archt.

Wis., Milwaukee—COLD STORAGE PLANT—Dick & Bauer, archts., 811 State St., taking bids 1 story and basement, 52 x 150 ft., brick and concrete, plain foundation, 5th St., for Fiebrantz Commission Co., 370 5th St. $40,000.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.) — CANDY FACTORY — Daggett Chocolate Co., 35 Lewis Wharf, Boston, 6 story and basement, 80 x 180 ft., Massachusetts Ave., Main and Ames Sts., to W. H. Bailey Co., 88 Broad St., Boston. Archts. est. to exceed $40,000. Noted Aug. 27.

Mass., Boston—ICE PLANT—Boston Ice Co., 110 State St., 1 story, 150 x 210 ft., rein.-con., brick and steel, Albany St., to Somers & Drisco, 168 Dartmouth St. Archts. est. $100,000. Noted Aug. 20.

Mass., Boston — REPAIR SHOP and GARAGE — Dedham & Hyde Park Gas & Electric Co., 1242 River St., Hyde Park 1 story rein.-con., River St., here, to C. C. Temple Co., 99 Chauncy St., Boston. Archts. est. $50,000. Noted July 9.

Mass., East Boston (Boston P. O.) — MILK PLANT — H. P. Hood & Sons, Rutherford Ave., Charlestown, 1 story 95 x 215 ft., rein.-con. and brick, plain foundation, Bennington St., to Cross & Roberts, Inc., 101 Milk St., Boston. Archts. est. $75,000.

Mass., Somerville (Boston P. O.)—REPAIR and SERVICE GARAGE—E. Stone, c/o F. A. Norcross, archt., 46 Cornhill St., Boston, 1 story, rein.-con. and brick, 122 Bway., here, to M. Peraner, 200 Washington Ave., Chelsea. Archts. est. $100,000. Noted Aug. 13.

Conn., New Britain—FACTORY—Fafnir Bearing Co., Booth St., 6 story, 60 x 165 ft., concrete and steel, plain foundation, Orange St., to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $200,000. Noted Aug. 20.

Pa., Bethlehem—FACTORY and OFFICE—Holland Furnace Co., Holland, Mich., general contract for factory, etc., here, to F. H. Clement, & Co., Bethlehem. Archts. est. $195,000.

Pa., Columbia — FACTORY — Columbia Lace Co., general contract for lace factory addition, to J. H. Wichersham, Lancaster. Archts. est. $40,000.

Pa., Minersville — SHIRT FACTORY — H. D. Bob Shirt Co., general contract for factory, to H. A. Moore, Milton. Archts. est. $50,000.

Pa., Nazareth — WAIST FACTORY — Nazareth Waist Co., general contract for factory addition, to Hahn & Gold, Nazareth. Archts. est. $40,000.

Pa., Phila.—FACTORY—Certain Teed Products Corp., 1 story, 70 x 153 ft. warehouse, 1 story, 20 x 230 ft. call house, 65 ft. high, and 3 story, 45 x 90 ft. coating building, brick and steel, plain foundation, 2nd and Erie Sts., to Stofflet & Fillotson, Wesley Bldg. Archts. est. $250,000.

Buildings—Industrial (Continued)

Pa., Pine Grove—POWER PLANT—Pennsylvania Power & Light Co., Allentown, addition to power plant, to Phoenix Utility Co., Allentown. $3,600,000.

Pa., Pittsburgh—GARAGE and PLANT—Natl. Biscuit Co., 6400 Penn Ave., 3 story and basement addition, Aurelia St., to D. T. Rifle, 1006 Forbes St. Archts. est. $150,000.

W. Va., Huntington—BOILER SHOP—Chesapeake & Ohio R.R. Co., C. W. Johns, ch. engr., Richmond, Va., 1 story, 140 x 404 ft., rein.-con., brick and steel boiler shop, plain foundation, here, to Hinkle Constr. Co., Cincinnati, O. Archts. est. $400,000.

N. C., Hendersonville—STEAM ELECTRIC PLANT—Balfour Mills, 53 x 75 ft., rein.-con. and brick buildings, to Fiske-Carter Constr. Co., Greenville.

Fla., Bradentown—GAS PLANT—City, gas plant and distribution system, to Amer. Gas Constr. Co., Newton, O. $99,-500. Noted July 9.

Fla., Jacksonville—BAKERY — Dorsey Baking Co., 2341 Main St., 2 story and basement, 85 x 427 ft., brick and rein.-con., to Lundoff-Bicknell Co., B. F. Keith Bldg., Cleveland, O. Archts. est. $400,000. Noted Mar. 26.

Fla., St. Augustine—SHOPS—Florida East Coast R.R. Co., W. G. Brown, ch. engr. 120 Bway., New York City, brick and steel railroad shops, here, to Foundation Co., Hurt Bldg., Atlanta, Ga. Archts. est. $3,-000,000.

Ala., Birmingham — NEWSPAPER PLANT—Birmingham News Publishing Co., 2 additional stories, 53 x 87 ft., 4th Ave. to Smallman-Brice Co., 1115 Ave. E. $200,-000.

Miss., Starkville — FACTORY — Borden Condensed Milk Co., 510 North Dearborn St., Chicago, Ill., general contract 2 story, brick and concrete, Montgomery and Illinois Central R.R. tracks, here, to D. D. Thomas & Sons, 463 North Dunlap St., Memphis, Tenn. Archts. est. approximately $75,000. Noted Jan. 1.

Tenn., Chattanooga—DYEING PLANT—Central Franklin Process Co., 2 story, 41,000 sq.ft. floor space, brick and steel, to Gallivan Constr. Co., Greenville, S. C.

O., Cleveland — LIGHT PLANT — City, 1 story, 27 x 53 ft., and 40 x 63 ft., brick, steel and concrete, East 53rd St., to deHamel Constr. Co., Plymouth Bldg. Archts. est. $70,000.

O., Cleveland—FACTORY—Purity Cream Cheese Co., E. Van Korngut, pres., 760 Central Ave., 1 story, 30 x 120 ft., brick, steel and concrete, East 11th St. and Central Ave., to P. J. Keehn Co., 1244 St. Clair Ave. Archts. est. $40 000. Noted Sept. 4, 1924.

Ill., East St. Louis—FREIGHT STATION—Cleveland, Cincinnati, Chicago & St. Louis R.R. Co., Union Central Bldg., Cincinnati, O., 3 story, 40 x 200 ft., concrete and brick, Front St., here, to Walsh Constr. Co., 19 South La Salle St., Chicago.

Ill., Murphysboro—POWER PLANT—Southern Illinois Gas Co., brick and concrete building, incl. additional 1,250 k.v.a. unit and two 500 hp. boilers, etc., to Stone & Webster, Inc., 147 Milk St., Boston, Mass. Engrs. est. $300,000. Noted Aug. 6.

Ill., Sterling—FACTORY—Northwestern Barb Wire Co., 2 story, 80 x 140 ft., rein.-con. factory, to Austin Co., 160 North La Salle St., Chicago. Archts. est. $40,000.

Mich., Iron Mountain—GAS PLANT—Iron Mountain Gas Co., 2 story, 62 x 80 ft., brick and concrete addition, to G. Gustafson & Co., Norway. Engrs. est. $40,000.

Wis., Alverno (Manitowoc P. O.) — BOILER HOUSE — Holy Family Convent, Route 1, Manitowoc, 2 story and basement, brick and concrete, plain foundation, here, to W. W. Oeflein, 86 Michigan St., Milwaukee. Archts. est. $100,000. Noted July 23.

Wis., Milwaukee—PRINTING PLANT—Tharinger & Bruecker, archts., 496 Cramer St. 2 story and basement, 32 x 127 ft., rein.-con. and brick, plain foundation, Florida Ave., to Byrne Bros., 3112 Burleigh St., for Milwaukee Printing Co., 377 Florida St. Archts. est. $40,000. Noted Aug. 6.

Wis., Milwaukee — FOUNDRY — South Side Malleable Casting Co., 14th and Windlake Aves., 1 story, 179 x 186 ft., brick and steel addition, plain foundation, 14th Ave., to W. W. Oeflein, 86 Michigan St.

Mo., St. Louis—FACTORY—Chandeysson Electric Co., 4092 Bingham Ave., 50 x 120 ft., rein.-con. and steel addition, 50 ft. high, Bingham Ave., to Widmer Eng. Co., Laclede Gas Bldg. Archts. est. $50,000.

Tex., Beaumont—POWER PLANT—Eastern Electric Co., (1st unit) power station, 300,000 kw. capacity, incl. 25,000 kw. turbo-generator and auxiliaries, etc., to Stone & Webster, Inc., 147 Milk St., Boston. Noted July 16.

Calif., Alhambra—FACTORY—A. I. Root Co., 1824 East 15th St., Los Angeles, 1 story, 90 x 220 ft., rein.-con., Westminster St., to Austin Co. of California, 777 East Washington St., Los Angeles. $40,000.

BRIDGE—PENNSYLVANIA AND NEW JERSEY

Bids were opened by Delaware River Bridge Joint Commission, Widener Bldg., Philadelphia, June 17, for concrete slabs and paving of roadway and footwalks for bridge over Delaware River connecting Philadelphia and Camden, Contr. No. 21-B, (A) F. J. Boas, 201 North Broad St. (awarded contract); (B) Acchione & Canuso Paving Co., 804 South 12th St.; (C) Frederick Snare Corporation. The unit bids are as follows:

	A	B	C
5,100 cu.yd. roadway slabs, approaches	$27 00	$35 50	$51 00
3,400 cu.yd. roadway slabs, suspended spans	35 00	39 80	57 00
19,000 sq.yd. footwalk slabs	4 50	3 46	6 00
Tower crosswalk slabs (lump sum)	1,370 00	1,000 00	2,500 00
29,000 sq.yd. granite block paving	6 92	6 67	6 35
320 lin.ft. granite curb—17½ in.	11 00	9 45	8 00
2,100 lin.ft. granite curb—10 in.	7 00	7 85	6 00
19,500 sq.yd. sheet asphalt paving	4 62	4 53	5 40
721,000 lin.ft. placing steel reinforcing trusses	.025	0235	10
990,000 lb. reinforcing steel	.06	.0606	07
30,000 lb. reinforcing truss and bar spacers	.28	35	20
100 bbl. cement	3 63	3 06	4 00
2,200 lb. cast iron	.25	27	30
33 expansion joints—approach, roadways	534 00	564 00	500 00
74 placing stress expansion joints	53 00	90 00	60 00
7,000 lb. galvanized gutter plates	18	20	30
Filling tower bases (lump sum)	4,110 00	4,023 00	5,000 00
Extended totals	$766,212	$803,417	$1,051,510

Buildings—Commercial

PROPOSED WORK

Mass., Boston—APARTMENT HOTEL—W. J. Stober, 60 Ames Bldg., plans 10 story and basement apartment hotel, Newbury St. To exceed $150,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.)—APARTMENT—Wendell Gardens Court, Inc., c/o Derby & Robinson, archts., 5 Joy St., Boston, having preliminary plans prepared 4 story and basement, 90 x 120 ft., brick and limestone, 12 Wendell St., here. $250,000.

Mass., Hyde Park (Ind. sta. Boston)—BANK—Hyde Park Co-Operative Bank, having preliminary plans prepared by O. A. Thayer, 89 Franklin St., Boston, 2 story and basement, brick and stone bank building. $150,000.

Mass., Hyannis—HOSPITAL—Syndicate, c/o C. L. Ayling, Centerville, raised $150,-000 funds, for brick and steel hospital.

Mass., Lynn—TEMPLE—Temple Bethel, H. Yozell, pres., 11 Gray Circle, having plans prepared by G. A. Cornet, 10 Central Ave., 1 story and basement, rein.-con., brick and stone, plain foundation, Breed and Lewis Sts. $150,000. Noted May 28.

Mass., Nantucket—HOTEL—E. Haynes, plans reconstructing hotel, recently destroyed by fire. $150,000. Engineer and architect not selected.

Mass., Somerville (Boston P. O.) — STORE and OFFICE — See "Contracts Awarded."

Conn., Derby — THEATRE — Malm Amusement Co., Inc., 220 Bway., New York City, having revised plans prepared by Starrett & Van Vleck, 8 West 40th St., New York City, and soon takes new bids 2 story, 65 x 90 ft., and 100 x 122 ft., brick, stone and steel, theatre, here. $250,000. Former bids rejected. Noted Aug. 20.

Conn., New Britain — OFFICE and THEATRE — M. Bailey, Foxon Rd., East Haven, and A. Molstein, 146 Sherman Ave., New Haven, plan brick and steel store and theatre, West Main St. $800,000.

Conn., New Haven—STORE and OFFICE—I. H. Lavine, 42 Church St., plans 12 story store and office building, Church St. To exceed $150,000. Engineer and architect not selected.

Conn., New Haven — TEMPLE — Olive Branch 84, 909 Whalley Ave., having plans prepared by R. W. Foote, 285 Church St., masonic temple. $150,000 or more.

N. Y., New York—APARTMENT—Twenty-Six East Seventy-Sixth St. Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 15 story, 100 x 102 ft., brick, steel and stone, plain foundation, East 76th St. $1,500,000.

N. Y., New York City—APARTMENT—Duo Building Corp., c/o J. M. Felson, archt. and engr., 250 West 57th St., having plans prepared 6 story, 100 x 109 ft., brick, steel and stone, plain foundation, Cypress Ave. and 140th St. $280,000.

N. Y., New York—APARTMENT—J. I. Walsh, 73 West 11th St., plans 15 story, brick, steel and stone, plain foundation, Waverly Pl. $1,200,000. Engineer and architect not selected.

N. Y., New York — OFFICE — A. E. Lefcourt, 1381 Bway., plans 20 story, brick, steel and stone, 625 6th Ave. Engineer and architect not selected.

N. Y., New York—THEATRE—Owner, c/o H. Huritz, archt., 41 West 33rd St., had plans prepared 15 story, brick, steel and stone, plain foundation, 52nd and 53rd Sts. between Bway. and 8th Ave. $6,000,000.

N. Y., New York—WAREHOUSE—Manhattan Storage & Warehouse Co., Lexington Ave. and 42nd St., plans 15 story, rein.-con., brick and steel, plain foundation, 3rd Ave. and 80th St. $900,000.

N. J., Atlantic City—HOSPITAL—Atlantic City Hospital, South Ohio Ave., plans hospital. H. A. Stout, Guarantee Trust Bldg., archt.

N. J., Atlantic City — STORE and APARTMENT—H. Alpern Bros., having plans prepared by H. A. Stout, Guarantee Trust Bldg., 5 story and basement, 30 x 100 ft., brick and steel, Illinois and Atlantic Aves.

N. J., Burlington—DORMITORY—New Jersey Grand Lodge of Masons, Broad St., Bank Bldg., Trenton, plans 3 story boys' dormitory, brick and limestone, at State Masonic Home, Jacksonville Rd., near here. C. H. Prickett, Burlington, head of com. $40,000.

N. J., Camden—NURSES HOME, etc.—New Jersey Homeopathic Hospital, Mt. Epraim and Atlantic Sts., having plans prepared by Lackey & Hettle, 5 Hudson Ave., 5 story and basement, 45 x 115 ft., and 56 x 105 ft., nurses' home and children's quarters, brick and steel, plain foundation. $300,000.

N. J., Passaic—APARTMENT—S. E. Acher, c/o Rouse & Goldstone, engrs. and archts., 512 5th Ave., New York City, having plans prepared three 5 story, brick, steel and stone, plain foundations, Jackson St. $250,000 each.

Pa., Pittsburgh—SALES and SERVICE—F. D. Saupp, Inc., 5928 Penn Ave., having plans prepared by Eric Fisher Wood Co., Hardy Hays Bldg., 2 story and basement, 106 x 150 ft., rein.-con. and steel, Center Ave. $150,000.

Pa., Pittsburgh — WAREHOUSE — H. J. Heinz Co., 1062 Progress St., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 5 story and basement, 100 x 333 ft., rein.con. and steel, Penn Ave. $1,500,000.

W. Va., Huntington — GARAGE — A. J. Dalton takes bids about Oct. 10, 5 story, 171 x 185 ft., rein.-con. garage, 5th Ave. $200,000. Meanor & Handloser, Professional Bldg., archts.

W. Va., Huntington—OFFICE and GARAGE—H. E. and E. C. Hines had plans prepared by Meanor & Handlosser, Professional Bldg., 3 story and basement, 185 x 185 ft., rein.-con., brick, steel and stone, 5th Ave. $350,000.

W. Va., Morgantown—HOTEL—L. Lepera having plans prepared by C. Reger, Morgantown, and takes bids about Sept. 15, 5 story, 60 x 74 ft., rein.-con. and brick, University Ave. $150,000.

N. C., Winston-Salem—OFFICE—W. M. Nissen, plans 15 story, 100 x 125 ft., limestone and steel, 4th and Cherry Sts. W. L. Stoddard, 50 East 41st St., New York City, archt.

Fla., Ft. Myers—OFFICE—Estate of H. E. Heitman, plans 2 story office building. $200,000. F. J. Kennard & Son, Kraus Bldg., Tampa, archts.

Fla., Lakeland—HOTEL—H. S. Duncan, Lakeland, and Lake Parke, having plans prepared by Talley, Bulkley & Talley, Lakeland, 7 story hotel in Lake Parke, near here. $500,000.

Fla., Miami—APARTMENT—Meyer-Kiser Corp., Conie Arcade Bldg., having plans prepared by George & Zimmerman, Meyer-Kiser Bank, Indianapolis, Ind., 3 story and basement 46 x 84 ft., rein.-con. and brick apartment. $165,000.

Fla., Sebring—HOTEL—Sebring Development Co., plans 4 story hotel. $425,000.

Buildings—Commercial (Continued)

Fla., St. Petersburg—APARTMENT—G. F. Young, having plans prepared by L. Avery, St. Petersburg, 3 story hotel, 24th and Central Ave. $240,000.

Fla., Tampa—APARTMENT—E. S. Richardson, Lansing, Mich., plans 8 story, 100 x 136 ft. apartment, Ross and Highland Sts., here. $200,000.

Fla., Tampa—OFFICE—Guarantee Title Co., Marion and Twigg Sts., plans 13 story office building, Lafayette St. $750,000. P. R. Robin, pres.

Ala., Mobile—THEATRE—Saenger Amusement Co. having plans prepared by E. Weil, Whitney Annex, New Orleans, La., 1 story and balcony, 120 x 220 ft., rein.-con., brick and steel, Joachim St. between Conti and Dauphine Sts. $750,000.

Miss., Gulfport—EXCHANGE—Cumberland Telephone & Telegraph Co., 78 South Pryor St., Atlanta, Ga., takes bids about Oct. 24 or Nov. 24, 3 story, rein.-con. and brick exchange building, here. $150,000. Marye, Alger & Alger, Walton Bldg., Atlanta, Ga., archts.

Miss., Pascagoula — HOTEL — H. W. Fitzpatrick, et al., 222 Royal St., New Orleans, La., having preliminary plans prepared by W. T. Nolan, Canal-Commercial Bldg., New Orleans, La., 3 story, 250 room, rein.-con., brick and stone hotel, here.

Miss., Pascagoula—HOTEL—W. T. Nolan, archt., Canal Commercial Bldg., New Orleans, La., making plans 3 story fireproof tourist hotel, here. $1,000,000. Owner's name withheld.

O., Cleveland—HOSPITAL—City, S. Harmon, dir. Pub. Welfare, City Hall, plans brick, steel and concrete chronic and psychopathic hospital, Scranton Rd. $1,500,000. H. Kregelius, city archt.

Ill., Chicago—FIELD HOUSE—University of Chicago, 230 South Clark St., takes bids about Oct. 1, 1 story, 165 x 400 ft., brick and stone field house, plain foundation. Holabird & Roche, 104 South Michigan Ave., archts.

Ill., Chicago — OFFICE — Chicago Journeymen Plumbers Union, Room 701, 64 West Randolph St., plans office building, on 135 x 175 ft. site. $350,000.

Ill., Chicago—POLICE HEAQUARTERS—Commissioners Pub. Wks., Room 406, City Hall, takes bids about Dec. 1, 16 story and basement, 120 x 140 ft., rein.-con., stone and steel, caisson foundation, 11th and State Sts. $2,500,000. C. W. Kallal, 1012 City Hall, city archt.

Ill., Chicago—Berlin & Swern, archts., 19 South La Salle St., take bids about Sept. 1, 4 story, 119 x 151 ft., rein.-con. and brick building for Y. M. C. A. of Chicago, 19 South La Salle St. $650,000. Noted Apr. 30.

Wis., Madison—MEMORIAL—Memorial Union Com., J. Dollard, secy., State St., having plans prepared by A. Peabody, Capitol Bldg., 3 story, 60 x 270 ft., rein.-con., brick and steel, plain foundation, Langdon St. $1,100,000.

Ia., Keokuk—BANK and OFFICE—State Central Savings Bank having preliminary plans prepared by M. J. Geise, 3 story and basement, 40 x 140 ft., concrete, brick and stone, 6th and Main Sts. $300,000.

Ia., Mason City—C. H. McNider, chn. Y. M. C. A., soon takes bids 3 story, 132 x 165 ft., rein.-con., brick and stone building, incl. swimming pool and gymnasium, North Pennsylvania and 1st Sts. $300,000. Tyrie & Chapman, 1200 2nd Ave., Minneapolis, Minn., archts. Nov. 27, 1924.

Kan., Topeka—HOSPITAL—Christ Hospital Assn., 9th and West Sts., takes bids in October, 1 and 4 story, rein.-con. and brick hospital. $500,000. Schmidt, Garden & Martin, 104 South Michigan Blvd., Chicago, Ill., archts. Noted Feb. 7, 1924.

Kan., Topeka—THEATRE and HOTEL—Crosby Bros. et al., 7th and Jackson Sts., having preliminary plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., and Boller Bros., consult. archts., Douglas Bldg., Los Angeles, Calif., 3 story and basement, 74 x 125 ft., rein.-con., brick, stone and terra cotta theatre, West 7th St. near Jackson St.. $150,000; and 12 story and basement, rein.-con., brick, stone and steel hotel, 7th and Jackson Sts.

Wyo., Torrington — ORPHANAGE — Catholic Church plans (1st unit) orphanage. $175,000. Engineer and architect not selected.

Mo., Kansas City—APARTMENT—S. I. Hoffman, Ridge Bldg., having plans prepared by DeFoe & Besecke, 1704 Grand Ave., 6 story and basement, 50 x 150 ft., rein.-con., plain foundation, 3232 Paseo Blvd.

Mo., Kansas City — OFFICE — Pickering Lumber Co., R. A. Long Bldg., having plans prepared by Shepard & Wiser, R. A. Long Bldg., 3 story and basement, office building on 67 x 168 ft. site, 11th and Central Sts. To exceed $200,000.

Mo., Maplewood (br. of St. Louis) — EXCHANGE—Southern Bell Telephone Co., Bway. and Locust St., St. Louis, takes bids about Sept. 21, 2 story and basement, rein.-con., brick and stone, Manchester and Lanham Aves., here. $250,000. Noted Aug. 20.

Ark., El Dorado—HOTEL—Exchange Realty Co., I. Felsenthal, secy., having preliminary plans prepared by Mann & Stern, 709 A.O.U.W. Bldg., Little Rock, 10 story and basement, rein.-con., brick, stone and terra cotta, Oak and Washington Sts. $500,000.

Ark., Little Rock—HOTEL—J. R. Young, c/o Main Hotel, having preliminary plans prepared by Wittenberg, Delony & Watts, 408 Southern Trust Bldg., 10 story, rein.-con., brick and stone. Main and Markham Sts. $550,000.

Tex., Dallas—HOME—Home of Our Lady Charity, c/o Mother Clement, 586 West Page St., having plans prepared by J. E. Overbeck, 717 Wilson Bldg., 1 and 2 story, rein.-con. and brick home. $150,000.

Tex., Madisonville—TEMPLE — Masonic Order, Madisonville, plans 2 story and part basement, rein.-con. and brick, plain foundation. $150,000. Private plans.

Tex., San Antonio — APARTMENT — Kelwood Co. and associates (owner and archts.), Travis Bldg., take bids after Sept. 7, 6 story, concrete, brick and tile, concrete foundation. $300,000. Noted Aug. 27.

Tex., San Antonio — APARTMENT — Syndicate, Houston, having preliminary plans prepared 12 story and basement, about 100 x 180 ft., rein.-con., stone and brick plain foundation, here. $1,500,000. Private plans.

Tex., Waco—MUNICIPAL—City having preliminary plans prepared 4 story and basement, rein.-con., brick and stone, plain foundation. $500,000. V. V. Koch, Waco, engr. and archt.

Tex., Waco—TEMPLE—Karem Temple AAONMS, having plans prepared by V. G. Koch, consult. archt., 6 story and basement, rein.-con. brick and stone, plain foundation. $300,000.

Okla., Ponca City — HOSPITAL — Ponca City Hospital Assn. having revised plans prepared by Schmidt, Garden & Martin, 104 South Michigan Ave., Chicago, Ill., 2 and 3 story and basement hospital. Former bids rejected. Noted July 30.

Ore., Astoria—HOSPITAL—Catholic Sisters of Charity Catholic Church of U. S., making plans 2 story, 125 room hospital, near here. $400,000. Engineer and architect not selected.

Ore., Portland—GARAGE—Corbett Estate, c/o H. L. Corbett, Corbett Bldg., plans 5 story, 100 x 200 ft., rein.-con. garage, sales room and office, Bway. and 6th St. $300,000. Engineer and architect not selected.

B. C., Prince Ruppert — HOTEL — Canadian Natl. Ry. Co., 230 St. James St., Montreal, Que., plans hotel, here. $1,000,000. H. Thornton, Montreal, pres.

BIDS DESIRED

Mass., Boston—GARAGE—See "Contracts Awarded."

Mass., Brockton—GARAGE—M. Goodman, 25 Pleasant St., taking bids 2 story, 78 x 240 ft., rein.-con., brick and steel, Main St. $175,000. M. L. Minor, 60 Pemberton Sq., Boston, archt.

Mass., Dorchester (Boston P. O.)—STORE and OFFICE—B. Brooker, 130 Worcester St., Boston, taking bids, altering and constructing 6 story and basement, rein.-con., brick and steel, addition Norfolk and Whitman Sts., here. $150,000. S. E. Moffie, 51 Cornhill St., Boston, archt.

Mass., Everett (Boston P. O.)—PLANT—Jackson Door & Window Co., 95 Canal St., Boston, taking bids altering and constructing 2 story, rein.-con. and steel plant addition. $40,000. Warren Eng. Corp., 50 Terminal St., Charlestown, engrs.

Mass., Fall River—STORE—Security System, c/o L. W. Besse, 21 Besse Pl., Springfield, taking bids 2 story and basement, 60 x 150 ft., brick and stone, South Main St., here. $150,000. W. E. Dibble, 317 Main St., Springfield, archt.

Mass., Medford (Boston P. O.)—STORE and OFFICE—See "Contracts Awarded."

Mass., New Bedford—STORE and OFFICE—F. Vera, 508 Pleasant St., taking bids 2 story and basement, 60 x 175 ft., rein.-con. and brick, Union St. $160,000. J. S. McIntyre, Times Bldg., archt.

Mass., Norwood—HOSPITAL—Sept. 4, by J. W. Beals, archt., 185 Devonshire St., Boston, taking bids 3 story and basement, 45 x 104 ft. with 42 x 90 ft. wing, brick and limestone, plain foundation, Washington St., here, for Norwood Hospital. $200,000. Noted July 30.

Mass., Somerville (Boston P. O.)—HOSPITAL — Blackall & Elwell, archts., 44 Bromfield St., Boston, taking bids 2 story and basement, brick hospital, here. $150,000. Owner's name withheld. Noted Aug. 6.

Mass., Quincy (Boston P. O.) — THEATRE—See "Contracts Awarded."

Pa., Phila.—APARTMENT—A. Muller, archt., 901 Walnut St., taking bids brick and steel, plain foundation, 41 Parl de, for P. Levy, c/o architect.

Pa., Phila.—HOME—Sept. 14, by H. Foster, archt., St. Girard Bldg., 5 story and basement, 37 x 119 ft., with two 34 x 111 ft. wings, rein.-con., brick and steel, plain foundation, Bensalem Way and Hoffnagle St., for Baptist Home of Phila., 16th and Norris Sts. $300,000.

Pa., Phila.—OFFICE—Sept. 9 (extended date), by E. B. Temple, asst. ch. engr., Pennsylvania R.R. System, Broad St. Sta., 14 story and basement, 150 x 200 ft., steel, 32nd and Market Sts. $3,300,000. Graham, Anderson, Probst & White, Ry. Exch. Bldg., Chicago, Ill., archts. Noted Aug. 20.

Pa., Phila.—RESTAURANT and OFFICE—Sept. 8, by R. Benckert, archt., Bellevue Court Bldg., 9 story and basement, 42 x 153 ft., rein.-con., brick and steel, plain foundation, 16th and Chestnut Sts., for Horn & Hardart Co., 240 South 10th St. $600,000.

Fla., Miami—COURT HOUSE and CITY HALL—Sept. 15, by Comrs Dade Co., 3 story and basement, about 168 x 168 ft., and 4 story, sub-basement about 138 x 138 ft., surmounted with 18 story, 78 x 78 ft. tower, rein.-con., and steel. J. D. Redd, chn.

Miss., Biloxi—HOTEL—Sept. 12, by C. Matthes, archt., 5 story, 116 room, rein.-con., stucco and steel addition to Buena Vista Hotel, for Buena Vista Hotel Co. $300,000. Noted Aug. 27.

Tenn., Nashville—OFFICE—Sept. 10, by C. K. Colley & Co., archts., 4th and 1st Natl. Bank Bldg., "Berry Tower," 20 story and basement, 42 x 60 ft., concrete, brick, steel and stone, 6th Ave. N., for Berry Realty Co., 6th Ave. $500,000.

O., Cleveland — APARTMENT — D. M. Horwitz, 878 Herrick Rd., taking bids 3 story and basement, 49 x 220 ft., brick and steel timber, 1532 Ansel Rd. $200,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland—EXCHANGE—Sept. 22, by Hubbell & Benes, archts., 4500 Euclid Ave., 22 story, 154 x 159 ft., main telephone building, brick, steel, and concrete, East 8th St. and Huron Rd., for Ohio Bell Telephone Co., 4300 Euclid Ave. $4,000,000. G. A. Kositsky, 4300 Euclid Ave., engr.

O., Lakewood (Cleveland P. O.) — APARTMENT — C. B. Kurtz, c/o Kurtz Motor Car Co., Lorain Ave., and New York Central R.R. tracks, Cleveland, taking bids 3 story, brick and timber, Clifton Blvd., here. $200,000. F. F. Book, 146 East 212th St., Cleveland, archt.

Ind., Indianapolis—APARTMENT—See "Contracts Awarded."

Ill., Chicago—APARTMENT—Sept. 5, by A. S. Hecht, archt., 155 North Clark St., 5 story and basement, 75 x 142 ft., rein.-con. and brick, 6131 Winthrop Ave., for B. A. Kusel, c/o architect. $350,000.

Ill., Chicago—OFFICE and STORE—D. Frank Chase, Inc., archts., 720 North Michigan Blvd., taking bids Starck Building 10 story and basement, rein.-con., brick and stone, 223-232 South Wabash Ave., for P. A. Starck Piano Co., 210 South Wabash Ave. $475,000.

Wis., Milwaukee—HOSPITAL—Sept. 10, by R. Stoelting, comr. Bd. Pub. Wks., 2 story and basement 47 x 270 ft., brick and concrete addition to South View Hospital, plain foundation, Mitchell St. $150,000. C. E. Malig, City Hall, archt.

Wis., North Milwaukee (Milwaukee P. O.)—THEATRE—Sept. 7, by E. A. Meyer, archt., 2703 Lisbon Ave., Milwaukee, 2 story and basement, 92 x 120 ft., brick and concrete, plain foundation, Villard Ave., for M. Brumm. $175,000. Noted July 30.

Neb., Grand Island—APARTMENT—See "Contracts Awarded."

Mo., St. Joseph—CITY HALL—Sept. 17 (extended date), by Dept. Pub. Wks., general contract 3 story, 120 x 120 ft., rein.-con. and steel, concrete foundation, 10th and Frederick Sts. $500,000. Echel & Aldrich, 1105 Corby Bldg., archt. W. K. Seitz, city engr. Noted Aug. 20.

Tex., Breckenridge—COURT HOUSE and JAIL—Oct. 12 (extended date) by J. W. Hill, judge Stephens Co., 4 story and basement, 80 x 140 ft., rein.-con., brick, stone and terra cotta, plain foundation. $400,000. D. S. Castle Co., 26-31 Radford Bldg., Abilene, engrs. and archts. Noted Aug. 6.

Okla., Tulsa — APARTMENT HOTEL — Sept. 10, by Shepard & Wiser, archts., 1208 R. A. Long Bldg., Kansas City, Mo., 8 story, rein.-con. and brick, 15th and Frisco Sts., here, for A. and H. J. Sophian, Waldheim, Bldg., Kansas City, Mo. $1,000,000. Noted July 30.

BIDS RECEIVED

Mass., Boston—HOSPITAL—Bd. Trustees Boston Sanitarium, City Hall, Aug. 26, 5 story and basement, 65 x 75 ft. out patient building, brick and stone, 57-61 Concord

Buildings—Commercial (Continued)

St., from J. B. Dolan, 43 Tremont St. $156,400. Noted Aug. 20.

Mass., Quincy (Boston P. O.)—HOSPITAL—City, P. E. Barbour, mayor, 3 story and basement, 40 x 160 ft., brick hospital, from C. H. Cunningham & Sons, 23 Central Ave., Lynn, $112,482. Noted July 9.

CONTRACTS AWARDED

Me., Biddeford—NURSES' HOME—Webber Hospital, E. H. Goldthwaite, chn., 2 story and basement, brick and stone, plain foundation, Elm St., to F. L. Emmons, 8 Orchid St. Archts. est. $150,000. Noted Aug. 13.

N. H., Franklin—ADMINISTRATION—Golden Rule Farm Assn., 3 story and basement, brick, to W. Dunlap, Laconia. Archts. est. $150,000. Noted Apr. 30.

Mass., Boston—APARTMENT—One Hundred Thirty-Seven Marlboro St., Inc., c/o Boardman Co., Ames Bldg., 10 story and basement, 4,500 sq.ft. floor space, brick and limestone, to Leighton-Mitchell Co., 99 Chauncy St., Boston. Archts. est. $250,000. Noted Aug. 6.

Mass., Boston—FIRE STATION—CITY Fire Dept., 61 Bristol St., 3 story and basement, 45 x 75 x 90 ft., brick, limestone, and granite, plain foundation, Shawmut Ave. and Tremont St., to Alco Contg. Co., 43 Tremont St., $345,000. Noted Aug. 20.

Mass., Boston—GARAGE—L. S. Kaufman, 43 Tremont St., will build 2 story, 100 x 200 ft., rein.-con. and brick, Lehigh and Albany Sts. $200,000. Work will be done by separate contracts. G. N. Jacobs, 4 Park St., Boston, archt. Noted July 30.

Mass., Boston—GARAGE—J. M. Howe, 10 State St., 6 story 140 x 180 ft., rein.-con., brick and steel, plain foundation, Cambridge and Green Sts., to Chase & Gilbert, 220 Devonshire St., Boston. Archts. est. $1,500,000.

Mass., Boston—HOTEL—Statler Hotel Co., 33rd St. and 7th Ave., New York City, 14 story and basement, stone and terra cotta, Province St. and Columbus Ave., here, to Dwight P. Robinson, Inc. c/o G. B. Post & Sons, archts., 101 Park Ave., New York City. Archts. est. $4,000,000. Noted Aug. 6.

Mass., Medford (Boston P. O.)—STORE and OFFICE — I. Lieberman, 1141 Blue Hill Ave., Dorchester, will build 1 and 2 story and basement, 45 x 95 x 100 ft., brick and stone, High and Canal Sts., by day labor. $150,000. S. S. Levy, 35 Court St., Boston, archt.

Mass., Quincy (Boston P. O.) — THEATRE—Wollaston Palace Theatre Co., W. W. Wilson, pres., 64 Fenno St., will build 2 story, 70 x 200 ft., brick and steel, Hancock St. by day labor under supervision of M. J. Allen, archt., State Theatre Bldg., Boston. $150,000. Noted July 9.

Mass., Somerville (Boston P. O.) — STORE and OFFICE — J. C. Niles, 206 Highland Ave., will build 3 story and basement, 65 x 100 ft., brick and stone, Highland Ave., by day labor. $150,000. Private plans.

Mass., Springfield—STORE and OFFICE—A Romano, 29 Locust St., 2 story and basement, 65 x 148 ft., brick and steel, 178 State St., to Schnare Constr. Co., 318 Main St. Archts. est. $150,000. Noted May 14.

Mass., Wellesley—HOSPITAL — Convalescent Home for Children, 2 story and basement, brick and stone addition, to W. A. Wentworth Co., 107 Pacific St., Cambridge. Archts. est. $150,000. Noted Aug. 6.

Mass., Worcester—OFFICE—F. W. Taylor, 438 Main St., 10 story and basement, brick and steel, to E. J. Cross Co., 82 Foster St. Archts. est. to exceed $150,000. Noted Aug. 13.

Conn., Manchester—ARMORY—State Armory, Hartford, 3 story and basement, brick and steel head house, and completing brick and steel armory, here, to Manchester Constr. Co., 647 Main St. Archts. est. $150,000. Noted Aug. 20.

Conn., New Haven—GARAGE, SHOP and SHOWROOM—H. W. Walker, Alconquin Rd., Bridgeport, 1 story, 150 x 190 ft., brick and steel, Davenport Ave., to Sullivan & McKeown, 937 Dixwell Ave. Archts. est. $175,000. White Motors, Inc., lessee.

Conn., Noroton—CLUB—Wee Burn Golf Club, J. W. Doty, pres., 120 Liberty St., New York City, 2 story and basement, 68 x 128 ft., stucco, Hanson Rd., to M. Mezzullo, 132 Pearl St., Port Chester, N. Y. Archts. est. $150,000.

Conn., Willimantic—OFFICE, etc.—Southern New England Telephone Co., High St., 2 story and basement, brick and steel, to Peck McWilliams Co., 47 West Main St., Norwich. Archts. est. $150,000. Noted July 30.

N. Y., Albany—GARAGE—Standard Oil Co. of New York, 26 Bway., New York City, 3 story, 150 x 170 ft., concrete garage, to Aberthaw Co., 27 School St., Boston, Mass. $200,000.

N. Y., New York—HOSPITAL—Park West Hospital, brick, steel and stone, plain foundation, West 78th St., to G. Richard Davis, 30 East 42nd St. Archts. est. $200,000.

N. Y., New York—OFFICE—C. A. Gould, c/o Warren & Wetmore, archts., 16 East 47th St., 14 story, brick, steel and stone, plain foundation, 5th Ave. and 54th St., to J. Baird Co., 441 Lexington Ave. Archts. est. $1,500,000. Noted Aug. 13.

N. Y., New York — OFFICE — Fred F. French, 350 Madison Ave. (owner and contractor), will build 31 story, brick, steel and stone, plain foundation, 5th Ave. and 45th St. $10,000,000.

N. Y., New York—THEATRE—Jerome Ave. Exhibition Co., Inc., c/o E. De Rosa, archt., 110 West 40th St., 5 story, brick, steel and stone, plain foundation, East Fordham Rd., to Simplex Building Corp., 1475 Grand Concourse. Archts. est. $1,000,000. Noted July 16.

N. J., Wildwood—HOTEL and STORE—Wildwood Hotel Co., H. F. Gaston, pres., 9 story and basement, 200 x 230 ft., brick and steel, plain foundation, Wildwood Ave. and Boardwalk, to Lynch Constr. Co., 1 Pershing Sq., New York City.

Pa., Allentown—HOTEL—Potruch & Gomery, general contract for hotel, to Potruch Constr. Co., Allentown. Archts. est. $1,500,000.

Pa., Chester—APARTMENT — J. T. Hoekstra, archt., 1713 Sansom St., 3 story and basement, 45 x 119 ft., brick and steel, 26 West 7th St., to Farrel-Roth Co., 123 South 21st St., Phila., for A. P. Musselman, 712 Fulton St. Archts. est. $150,000. Noted June 4.

Pa., Glenside — APARTMENT — E. M. Johnson, brick and steel, apartment, plain foundation, here, to E. A. Reeves, Abington. Archts. est. $150,000.

Pa., Harrisburg—HOME—Children's Industrial Home, 1900 Swatara St., industrial home, to C. Bushong, 1713 Boas St. Archts. est. $150,000.

Pa., Lehighton — MASONIC HALL — Jacoby & Everett, archts., Commonwealth Bldg., Allentown, 3 story and basement, 65 x 130 ft., brick and steel, plain foundation, here, to Ochs Constr. Co., 440 Wire St., Allentown, for Masonic Hall Assn. Noted July 23.

Pa., Phila.—BANK and OFFICE—Drexel & Co., 5th and Chestnut Sts., 7 story and basement, 50 x 90 ft., granite, concrete and steel, plain foundation, 15th and Walnut Sts., to Doyle & Co., 1519 Sansom St.

Pa., Phila.—HOUSE OF CORRECTION—Director Pub. Welfare, City Hall, 2 story and basement, rotunda and 6 wings, Holmesburg St., general contract, to H. E. Baton, 1713 Sansom St., $691,700; heating, to W. Anderson, 600 Schuylkill Ave., $113,097; electrical work, to W. V. Pangborne, 1927 West Montgomery Ave., $21,895; and plumbing, to J. Borden & Bros., 637 North 19th St., $63,537. Grand total $890,229. Noted Aug. 20.

Pa., Tamaqua—MASONIC TEMPLE—Masonic Temple Assn., 3 story and basement, 46 x 150 ft., brick, concrete and steel, plain foundation, here, to Tamaqua Constr. Co., Tamaqua. Archts. est. $150,000.

Del., Dover—STATE HOUSE—State, and Brown & Whiteside, archts., Dupont Bldg., Wilmington, 3 story and basement, 50 x 100 ft., brick and steel addition, plain foundation, to Selbyville Mfg. Co., Selbyville. Archts. est. $150,000. Noted Aug. 13.

Ga., Atlanta—STORE and THEATRE—A. G. Candler, Jr., Candler Bldg., 6 story and basement, theatre and store building, to Starrett Bros., 101 Park Ave., New York City, N. Y. Archts. est. $6,000,000. R. H. Macy & Co., Bway. and 34th St., New York City, N. Y., lessee. Noted Mar. 19.

Ky., Louisville—HOME—Masonic Lodge of Kentucky, general contract (1st unit) Widows and Orphans Home, to Platoff & Bush, 122 West Liberty St., $365,393; heating equipment, to H. Neibeston, $35,009, etc.

O., Akron — WAREHOUSE — Goodyear Tire & Rubber Co., East Market St., 5 story and basement, 120 x 280 ft., brick and rein.-con., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland. Archts. est. $350,000.

Ind., Indianapolis—APARTMENT—Meridian Plaza Realty Co., 3370 College Ave., will build 3 story and basement, 85 x 115 ft., rein.-con. and brick, West Meridian St. $165,000. Work will be done by separate contracts.

Ill., Aurora—GARAGE and STORAGE—Western United Gas & Electric Co., 36 Fox Bldg., 2 story and basement, 100 x 125 ft., rein.-con., concrete slab, and brick, to Stone & Webster, Inc., South River St.

Wis., Milwaukee—HOME—Scott & Mayer, archts., 214 Mason St., 4 story and basement, 32 x 40 ft., and 40 x 134 ft., brick and concrete addition, Downer Ave., to H. Danischefsky, 1484 Humboldt Ave., for Protestant Home for Aged, 503 Downer Ave. Archts. est. $200,000. Noted July 30.

Minn., Minneapolis—LODGE—Minneapolis Aerie 34, Fraternal Order of Eagles, W. H. Fawcett, pres., 18 Washington Ave. N., general contract 3 story and basement, rein.-con., brick and tile, 4th Ave. S. and 8th St., to Madsen & Peterson, 646 Builders Exch. Bldg. Archts. total est. $200,000.

Kan., Wichita—COMMERCIAL—Grant-Billings Mercantile Co., 123 North Rock Island St., general contract 3 story and basement, 57 x 128½ ft., rein.-con., brick and stone, to Siedhoff Constr. Co., Broadview Hotel Bldg., Wichita.

Neb., Grand Island — APARTMENT — W. D. Boyll, will build 3 story and basement, 38 x 118 ft., rein.-con. and brick, by day labor. $150,000. C. J. Bowell, Dolan Bldg., archt. Noted May 21.

Neb., Lincoln — HOTEL — Eppley Hotel Co., Capital Hotel, 11 story and basement, 108 x 150 ft., rein.-con., 11th and P Sts., to H. L. Stevens & Co., 30 North Michigan St., Chicago, Ill. Archts. est. $800,000. Noted July 9.

Mo., Jefferson City—HOTEL—Realty Holding Co., 1132 Arcade Bldg., St. Louis, general contract, 6 story and basement, 102 x 140 ft., steel, Adams and High Sts., to Mid-Continent Co., 1132 Arcade Bldg., St. Louis, about $650,000. This corrects report in Aug. 20 issue.

Mo., Kansas City — THEATRE — R. L. Willis, 5037 Michigan Ave., 1 story, balcony and basement, 65 x 165 ft., 3804 Main St., to McCavick Constr. Co., 26th St. and Jefferson Ave., about $200,000. Noted Aug. 6.

Tex., Houston—OFFICE—S. F. Carter, 2nd Natl. Bank Bldg., 5 story, 125 x 135 ft., rein.-con., brick, stone and steel top addition, Main St. and Rusk Ave., to Amer. Constr. Co., 410 Gulf Bldg., approximately $350,000.

Oklahoma—HOSPITAL, etc.—State Bd. Pub. Affairs, Oklahoma City, 1 story, rein.-con. Ward and 3 story, rein.-con. and brick Receiving buildings at Eastern Oklahoma Hospital, Vinita, to D. Tankersley, Sapulpa, $33,050 and $170,900 respectively; Ward building, power house and residence at State Sanitorium, Clinton, to Mann Co., Amer. Natl. Bank Bldg., Oklahoma City, $71,746; 2 story, brick and rein.-con. administration building at Central Oklahoma Hospital, Norman, to Bailey-Burns Constr. Co., Norman, $95,200; 2 story and basement, brick and concrete administration building at School for Deaf, Sulphur, to G. C. Frier, Sulphur, $22,191; 1 story, brick and concrete gymnasium at Southwestern State Normal School, Weatherford, to S. P. Shaw, Enid, $37,990. Grand total $431,077. Noted Aug. 6.

Calif., Long Beach—STORE and LOFT—Shopping Center Bldg. Co., 12 story and basement, 50 x 150 ft. stone and terra cotta, 3rd and Locust Aves., to Stradley, Newton & Wilkie, 312 Markwell Bldg. Annex. $600,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Amherst—DORMITORY—Massachusetts Agricultural College, having sketches made by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, men's dormitory. To exceed $150,000.

R. I., Providence—CHURCH, etc.—Sacred Church of Christ, Scientist, c/o C. H. Lockwood, archt., 171 Westminster St., rejected bids 1 story and basement, 70 x 100 ft. brick and steel church. $150,000-$175,000. Noted Apr. 9.

R. I., Woonsocket—HIGH SCHOOL—City, School Dept. plans 2 story addition to Junior High School. $150,000-$175,000. Engineer and architect not selected.

Conn., Danbury—CHURCH—Polish Roman Catholic Church, B. Givit, pastor, having plans prepared by J. A. Jackson, 185 Church St., New Haven, 1 story and basement, brick and stone, Stone St. $150,000.

Conn., Danielson — HIGH SCHOOL — Town, F. E. Bitgood, chn., having competitive plans prepared 2 story and basement addition, incl. auditorium, domestic science and manual training rooms. $150,000. Engineer and architect not selected.

N. Y., Brooklyn—SCHOOL—St. Francis College, c/o W. P. McGovern, archt. and engr., 156 East 42nd St., New York City, having plans prepared, brick, steel and stone, plain foundation. Butler St. $175,000.

N. Y., New York—CHURCH and HOSPITAL, etc.—Realty Sureties, Inc., 2720 Bway., having plans prepared by Shreve & Lamb, 331 Madison Ave., 65 story, brick,

Buildings—Educational, Religious (Cont.)

steel and stone, hotel, church, bank and hospital, plain foundation, Bway. between 122nd and 123rd Sts. $14,000,000.

Pa., New Phila. (Silver Creek P. O.)—CONVENT and SCHOOL—Sacred Heart Roman Catholic Church, having plans prepared by G. C. Freeman, Liberty Bank Bldg., Reading, convent and school. $150,000.

Pa., York—CHURCH and SUNDAY SCHOOL—Union Lutheran Church having plans prepared by J. A. Dempwolf, Center Sq., church and Sunday school. $200,000.

La., Homer—HIGH SCHOOL—Claiborne Parish Bd. Educ. having preliminary plans prepared 3 story, brick, concrete and stone high school. $250,000.

O., Lakewood (Cleveland P. O.)—CHURCH and SCHOOL — St. Hedwigs Roman Catholic Church, F. M. Komlinki, pastor, 12903 Madison Ave., having plans prepared by M. G. Gill, 313 Plymouth Bldg., Cleveland, 2 story and basement, 118 x 118 ft., brick, steel and concrete, Halstead St., here. $150,000.

O., Shaker Heights (Cleveland P. O.)—HIGH SCHOOL—Bd. Educ. J. W. Main, clk., voted $700,000 bonds, 3 story and basement, brick, steel and concrete, South Woodland and Woodbury Rds. Engineer and architect not selected.

O., Shaker Heights (Cleveland P. O.)—SCHOOLS—Election Nov. 3 $250,000 bonds, two 2 story and basement, brick, steel and concrete schools, for Bd. Educ. Engineer and architect not selected.

Ind., Bedford—HIGH SCHOOL—School Bd., having plans prepared, by E. E. Dunlap Co., 1050 North Delaware St., Indianapolis, 2 story and basement, brick and stone high school. $150,000.

Ill., Woodriver—COMMUNITY and LIBRARY—Standard Oil Co. making preliminary plans rein.-con., brick and stone community house, incl. library, swimming pool, etc. $250,000. Private plans.

Wis., Cudahy — HIGH SCHOOL — Bd. Educ., W. Rasche, pres., having plans prepared by Rosman & Wierdsma, 490 Bway., Milwaukee, (1st unit) 2 story and basement, 60 x 62 ft., and 62 x 180 ft., brick and tile, plain foundation, Lake Rd. $180,000. Noted Aug. 27.

Neb., Lincoln—CHURCH—First Presbyterian Church, 703 1st Natl. Bank Bldg., c/o F. M. Hall, chn. Building Com., having plans prepared by Cram & Ferguson, 248 Boylston St., Boston, Mass., 3 story and basement, church. $250,000.

Tex., Brownsville — ADMINISTRATION —Academy of Incarnate Word and Blessed Sacrament, had plans prepared by H. P. Smith, archt. and engr., Natl. Bank Com. Bldg., San Antonio, 3 story and basement, rein.-con., brick and stucco, plain foundation. $150,000.

Tex., El Paso — CHURCH and OFFICE — First Christian Congregation, making preliminary plans 10 story, part basement, rein.-con., brick and stone, plain foundation, Mesa and Franklin Sts. $600,000. Engineer and architect not selected.

Calif., Los Angeles — CHURCH — Immanuel Presbyterian Church, having plans prepared by C. F. Skilling & H. M. Patterson, Chamber of Commerce Bldg., 4 story and basement, 150 x 235 ft., rein.-con. and steel church and sunday school, Wilshire Blvd. and Berend St. $1,000,000.

BIDS DESIRED

Me., Lewiston—GYMNASIUM — Bates College, H. Howe, secy., taking bids 1 story, 105 x 165 ft., brick and stone gymnasium and indoor athletic field. $500,000. Coolidge & Carlson, 89 State St., Boston, archts.

Mass., Fairhaven — CONVENT and CHAPEL — Sacred Heart Parish, S. Bernard, pastor, taking bids 3 story and basement, 68 x 102 ft. convent, and 1 story, 34 x 100 ft., brick and stone chapel. To exceed $150,000. Leary & Walker, Times Bldg., New Bedford, archts.

Mass., Lowell — CHURCH — St. Joseph's Parish, South Lowell, taking bids 1 story and basement, brick and stone church. $150,000. P. Ganthier, 31 Wiggin St., Lowell, archt.

Mass., New Bedford—HIGH SCHOOL—City, J. Catterall, chn. com. taking bids North Junior High School, 2 story and basement, 65 x 258 ft., with two 65 x 95 ft. wings, brick, stone and limestone, plain foundation, Tarkiln Hill Rd. and Felton St. $700,000. Leary & Walker, Times Bldg., archts.

Conn., Hartford—CHURCH—A. M. E. Zion Church, J. A. Gorman, pastor, taking bids 1 story and basement, brick and stone, plain foundation, Windsor Ave. $150,000. W. T. Marchant, 36 Pearl St., archt.

N. Y., Albany—HIGH SCHOOL—Sept. 8, by Bd. Contr. & Supply, City Hall, Junior High School, Delaware Ave. P. J. Manwiller, secy.

N. Y., Buffalo—MUSEUM—Sept. 15, by Comr. Parks & Buildings, Room 13, City Hall, for Museum of Natural Science, rein.-con., stone and steel Humbolt Park. $1,000,000. Esenwein & Johnson, Ellicott Sq. Bldg., archt.

N. Y., Lyndonville—SCHOOL—Sept. 8, by C. C. Brown, dist. clk., 2 story and basement, rein.-con. and brick school, for Bd. Educ. $150,000.

Pa., Allentown—HIGH SCHOOL—Sept. 8, by School Bd., 3 story and basement, 94 x 170 ft., rein.-con., brick and steel, plain foundation, Lumber St. between Turner and Chew Aves. $300,000. Ruhe & Lange, 12 North 6th St., archts.

Pa., Haverford—HIGH SCHOOL—Sept. 8, by Haverford Twp. School Dist., J. W. Huff, supt., 2 story and basement, 71 x 200 ft., rein.-con., brick, stone and steel, plain foundation, Coopertown Rd. $225,000. Boyd, Abel & Gugert, Otis Bldg., Phila., archts.

Pa., Phila.—SCHOOL—Sept. 12, by Hoffman-Henon Co., archts., Finance Bldg., 5 story and basement, rein.-con., brick and steel, plain foundation, 16th and Girard Sts., for St. Joseph Hospital. $300,000.

Pa., Pittsburgh—HIGH SCHOOL—Sept. 10, by Bd. Educ., Fulton Bldg., Taylor Alderdice High School, 3 story and basement brick and steel, Shady and Forward Sts. $2,000,000. R. M. Trimble Ferguson Bldg., archt.

O., Columbus—STUDY HALL—Sept. 29, by Bd. Trustees Ohio State University, C. E. Steeb, secy., 3 story 60 x 120 ft., rein.-con. and brick addition to Pomerene Hall, on campus. $150,000. J. N. Bradford, c/o owner, archt.

O., Lakewood (Cleveland P. O.)—CHURCH—Sept. 9, by Fifth Church of Christ Scientist, S. Adams, 6110 Franklin Ave., Cleveland, 2 story and basement, 120 x 120 ft., brick, steel and stone, West 117th St. and Lake Ave. F. W. Bail, Hanna Bldg., Cleveland, archts. Noted July 23.

Wis., Milwaukee—GRADE SCHOOL—Sept. 8 (extended date), by School Bd., F. Harbach, secy., 3 story and basement, 124 x 130 ft., rein.-con., tile and brick, plain foundation, 55th and Galena Sts. $350,000. Van Ryn & De Gelleke, 10th and Prairie Sts., archts. Noted Aug. 20.

Ill., Urbana—GYMNASIUM—Sept. 9, by J. M. White, superv. archt. 256 Administration Bldg., of University of Illinois, 2 story and basement, rein.-con., brick and steel addition to Men's Gymnasium, plain foundation, on campus, for University of Illinois. $225,000.

Wis., Montreal—GRADE SCHOOL—Sept. 8, by E. H. Reid, clk. Bd. Educ., for grade school. Howell & Thomas, 4400 Euclid Ave., Cleveland, O., archts. Noted Oct. 16.

Wis., Oshkosh—VOCATIONAL SCHOOL —Sept. 10, by Bd. Educ., E. Beardmore, secy., and Bd. Industrial Educ., R. Schriber, pres., 2 story and basement, brick, tile and concrete school and recreational building, plain foundation. Auler & Jensen, F.R.A. Bldg., archts. Noted June 25.

Ia., Marshalltown — HIGH SCHOOL — Sept. 22, by Bd. Educ., Senior High School, 3 story and basement, rein.-con., brick, and stone. $325,000. H. E. Reimer, Kibby Bldg., Marshalltown, and Daugher, Rich & Woodburn, 320 Valley Natl. Bank Bldg., Des Moines, archts. Noted July 30.

Tex., Ft. Worth—MUSIC HALL—Southwestern Baptist Theological Seminary, c/o R. L. Scarborough, pres., taking bids 2 story and basement, rein.-con., brick and stone, Seminary Hill, $175,000. Sanguinett-Staats & Hedrick, 1005 1st Natl. Bank Bldg., archts. Noted Aug. 2.

Que., St. Urbain—CHURCH—Sept. 4, by J. P. Quellet, archt., 28 Ste. Famille St., Quebec, 1½ story, 80 x 120 ft. church, here, for Roman Catholic Congregation. $150,000.

BIDS RECEIVED

Pa., Phila.—ART MUSEUM—Comrs. Fairmont Park, City Hall, Aug. 25, completing shell, also furnishing and erecting terra cotta arch, for 4 story, 111 x 217 ft., marble and stone, Fairmont Park, from G. A. Fuller Co., Morris Bldg., $2,793,518 and $595,000 respectively; interior finish, from F. W. Mark Constr. Co., Commercial Bldg., $963,565; and removing Washington Monument to point directly in front of above, from A. O'Neil, 127 East Mermid St., $82,900. Noted Aug. 20.

D. C., Wash.—SCHOOL—Dist. Comrs., 16 room school, Nicholson and 13th Sts., N.W., from Parsons & Hyman, Equitable Bldg., $254,000.

O., Cleveland Heights (Warrensville P. O.)—HIGH SCHOOL—Bd. Educ., C. S. Roche, clk., 1781 Lee Rd., Cleveland, Aug. 24, 2 story and basement, 120 x 150 ft., and 60 x 63 ft., brick, steel and concrete, here, from A. Lane Constr. Co., 1869 East 55th St., $322,165. Noted Aug. 13.

Wis., Madison—DORMITORY—Wisconsin University Building Corp., M. E. McCaffrey, secy., Aug. 21, 3 story and basement, brick, stone and concrete, plain foundation dormitory for men, here, general contract, from W. W. Oeflein, Inc., 86 Michigan St., Milwaukee, $553,161; heating, from Pharo Heating Co., 1302 Regent St., $34,949; plumbing, etc., from Kissel Bros., Hartford, $73,000. Noted Aug. 6.

CONTRACTS AWARDED

Me., Portland—SCHOOL—City, E. C. Robinson, chn., Building Com., 2 story and basement, brick, Brown St., to J. J. Maloney Co., 270 Middle St., Portland. Archts. est. $150,000. Noted Aug. 20.

Mass., Cambridge (Boston P. O.)—DORMITORY—Harvard University, A. Lowell, pres., 4 story and basement, 120 x 200 ft., brick and stone, Mill and DeWolf Sts., to G. A. Fuller Co., 11 Beacon St., Boston. Archts. est. $500,000. Noted Aug. 6.

Mass., Newton (Ind. br. Boston) — CHURCH—Christian Church of Newton, 1 story and basement, brick, marble and stone, plain foundation, Walnut and Otis Sts., to Sawyer Constr. Co., 16 Arlington St., Boston.

Conn., Bridgeport — SCHOOL—St. Stephens Roman Catholic Church, F. Chernitsky, pastor, 3 story and basement, 115 x 120 ft., brick, steel and stone, Wordin Ave., to T. J. Pardy Co., 1481 Seaview Ave. Archts. est. $200,000. Noted June 22.

Conn., New Britain—SCHOOL — City, School Bd., 2 story and basement, brick and steel, Day, Goodwin and Austin Sts., to M. A. Connor Co., 561 Main St., Hartford. Archts. est. $250,000. Noted July 30.

Pa., Elizabethtown — BOYS SCHOOL — E. A. Wightman, archt., Bankers Trust Bldg., Phila., 1 story and basement, 128 x 212 ft., Elizabethtown Masonic Home Grounds, to Curtis Gimrod Co., 10 South 18th St., Phila., for Trustees Thomas Patton Rankin Memorial School for Boys. Archts. est. $150,000.

Pa., Pittsburgh—SCHOOL—St. Georges Roman Catholic Congregation, Climax St., general contract 2 and 3 story and basement, Climax St., to Duquesne Constr. Co., Cypress and Aspen Sts. $185,000. Noted Jan. 29.

Pa., Stowe Twp.—SCHOOL—School Dist., 3 story and basement addition, general contract, to J. G. Fullman Co., E. E. Trust Bldg., Pittsburgh, $106,400.

O., Canton—HIGH SCHOOL—Bd. Educ., general contract 2 story and basement, brick, steel and concrete, 6th St. S. W., to Melbourne Constr. Co., Brant Bldg., $455,052; heating and ventilating apparatus, to Standard Plumbing Co., 124 Cherry Ave., $69,130. Noted March 5.

Mich., Kingsford Heights (Iron Mountain P. O.)—SCHOOL—Bd. Educ., general contract 2 story and basement, brick and tile school, to Phelps-Drake Co., Iron Mountain, $124,000.

Ill., Chicago — CHAPEL — University of Chicago, 230 South Clark St., general contract Rockefeller Chapel, 1 story and basement, 92 x 200 ft., rein.-con. and stone, on campus to Leonard Constr. Co., 37 South Wabash St., $699,000; cut stone, to Furst-Kerber Cut Stone Co., 2301 South La Salle St., $620,000. Noted Dec. 25.

Ill., Evanston — CHURCH — Second Presbyterian Church, Main and Hinman Sts., 2 story and basement, 75 x 125 ft., brick and stone, plain foundation, Main St., to N. P. Soverin, 105 West Monroe St., Chicago. Archts. total est. $225,000. Noted April 16.

Wis., Holy Hill (Hubertus P. O.) — CHURCH — H. J. Gaul, archt., 228 East Superior St., Chicago, Ill., 2 story, brick and stone, plain foundation, here, to H. Schmitt & Son, 430 Farwell Ave., Milwaukee. Archts. est. $275,000. Noted Aug. 27.

Minn., Faribault — DORMITORY—Shattuck School, C. J. Newhall, general contract, 3 story and basement, rein.-con., brick and stone, to Albee Bros., 621 Plymouth Bldg., Minneapolis, about $150,000. Noted July 30.

Minn., Minneapolis—SCHOOL—St. Helenas Roman Catholic Parish, 4320 33rd Ave., general contract, 2 story and basement, rein.-con., brick and stone, etc., 33rd Ave. and 43rd St., to Deveraux-Olson Constr. Co., 716 11th Ave. S., about $150,000. Noted June 25.

Buildings—Educational, Religious (Cont.)

Neb., Omaha — ACADEMY — Sisters of Notre Dame, c/o M. J. Lahr, archt., 707 W. O. W. Bldg., general contract, 3 story and basement, 110 x 160 ft., rein.-con. and brick, 3501 State St., to A. L. Hyde & Co. 501 North 51st St., $123,896.

Ore., Corvallis — GYMNASIUM — Oregon State Bd., 2 and 3 story, 24 x 132 x 150 ft., rein.-con. and brick gymnasium, here, to L. N. Travar, Corvallis, for State Agricultural College. $182,000.

Que., Quebec—MONASTERY—Schools of Christian Brothers, 5 story monastery, Ste. Foye Rd., to Dansereau Bros., Dandurand St., Montreal, $675,000.

Federal Government Work

BIDS DESIRED

Mass., Boston—Piers—Sept. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., rebuilding and repairing 2 piers, at Navy Yard, here.

Mass., Boston—Wire—Sept. 8, by Bureau Supplies & Account, Navy Dept., Wash., D. C., electric wire and cable, steel and bronze wire rope, copper and bronze wire, seamless steel pipe, etc., for Navy Yard, here.

Mass., Holyoke—Remodeling—Sept. 24, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here; adv. E. N.-R. Sept. 3.

Conn., Stamford—Dredging—Oct. 2, by U. S. Engineer Office, Providence, R. I., dredging in Stamford Harbor, here; adv. E. N.-R. Sept. 3.

N. Y., New York—Dredging—Sept. 24, by U. S. Engineer Office, 2nd Dist., dredging and rock removal in New York and New Jersey channels.

N. Y., Sackets Harbor—Officers Quarters, etc.—Sept. 30, by War Dept., at office Constructing Quartermaster, for 8 brick and concrete buildings, incl., officers quarters, apartments, administration, etc.; adv. E. N.-R. Sept. 3.

N. J., Oceanport—Quarters—Sept. 30 at office Constructing Quartermaster, Fort Monmouth, 2 sets quarters at $9,000 each, or 1 double set at $18,000, or 1 set at $12,000; adv. E. N.-R. Sept. 3.

Va., Norfolk — Hydraulic Dredge — Sept. 25, by U. S. Engineer Office, 15-in. hydraulic pipe line dredge; adv. E. N.-R. Sept. 3.

Fla., Tampa—Remodeling—Sept. 11, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging post office and courthouse, here; adv. E. N.-R. Sept. 3.

Minn., St. Paul—Painting, etc.—Sept. 23, by Treas. Dept. at Office J. A. Wetmore, Acting Supervising Archt., Wash., D. C., repairs to plaster, painting and repointing stonework, at post office, here; adv. E. N.-R. Sept. 3.

BIDS RECEIVED

Pa., Phila.—Steel Tank—Spec. 5113—Bureau Yards & Docks, Navy Dept., Wash., D. C., steel water tank and tower for Naval Home, here, from Pittsburgh-Des Moines Steel Co., 1212 Virginia Ry. & Power Bldg., Richmond, Va. (1) $9,900 (2) $9,700 (3) $25,00. Noted Aug. 20.

D. C., Wash.—Coal and Ash Handling Equipment—Bureau Yards & Docks, Navy Dept., coal and ash handling equipment for Naval Hospital, here, from Specialty Eng. Co., Allegheny and Trenton Sts., Phila., Pa. $16,860. Noted Aug. 13.

Ga., Augusta — Roads — U. S. Veterans Bureau, Wash., D. C., concrete road at U. S. Veteran Hospital, here, from Hodgson & Jones, 1st Natl. Bank Bldg., Montgomery, Ala. (1) $13,043 (2) deduct $2,229. Noted Aug. 13.

Mo., Jefferson Barracks — Stable — U. S. Veterans Bureau, Wash., D. C., altering animal house and stable, here, from Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, (1) $21,120 (2) $24,392 (3) $5,912. Noted Aug. 6.

CONTRACTS AWARDED

Mass., Boston—Water Piping—Treas. Dept., at office Supervising Archt., Wash., D. C., removing present water piping and installing new in U. S. Appraisers Store, here, to Low & Robbins Co., 44 Lowell St., $15,088. Noted Aug. 20.

Pa., Pittsburgh—Lock Gates—U. S. Engineer Office, Wash., D. C., steel lock gates for Lock 4, Allegheny River, here, to Independent Bridge Co., P. O. Box 1920, Pittsburgh, $19,664. Noted July 23.

Pa., Pottsville—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, to Devault & Deitrick, Massillon Rd., Canton, O. $17,500. Noted Aug. 27.

La., New Orleans—Levee—U. S. Engineer Office, War Dept., Wash., D. C., 148,000 cu.yd. earthwork in Babin Levee, Atchafalaya Levee Dist. 4th MRD, here, to Lower Constr. Co., Ltd., 418 Godchaux Bldg., $16,-280. Noted Aug. 27.

Unclassified

PROPOSED WORK

Subway—Erie, Pa.—Nickel Plate R.R. Co., J. Bernet, pres., Columbia Bldg., Cleveland, O., having plans prepared concrete and steel subway, 19th and Parade Sts. here. $120,000. Private plans.

Underpass—Gastonia, N. C.—Southern Ry. Co., 1300 Penn Ave., Wash., D. C., plans underpass on North Carolina State Highway Route 16, here. $60,000. B. Herman, ch. engr.

Underpass—Greensboro, N. C.—Southern Ry., 1300 Penn Ave., Wash., D. C., soon takes bids two underpasses, here. $60,000. B. Herman, ch. engr. Fellheimer & Wagner, c/o owner, archt.

Bus Terminal—New Orleans, La.—G. P. Blaise, 57 Fontainbleu Dr., having plans prepared by W. T. Nolan, Cavat-Commercial Bldg., for 300 car capacity bus terminal.

Retaining Wall, Tunnel, etc.—Joliet, Ill.—Illinois Waterway Comn., 608 South Dearborn St., Chicago, takes bids about Sept. 25, 2 concrete gravity retaining walls, 22 to 40 ft. high, 3 ft. at top and 20 ft. at bottom, containing 8- to 12-ft. diam. intercepting sewers, also tunnel under river, here. M. G. Barnes, 608 South Dearborn St., Chicago, ch. engr.

Oil Storage—Kewanee, Ill.—City appropriated $15,000 for oil storage and equipment for oiling streets. J. G. Palmer, City Hall, engr.

Lighting System—Oak Park, Ill.—Dept. Pub. Wks. plans ornamental lighting system, incl. 3,300 posts. Randolph-Perkins Co., 38 South Dearborn St., Chicago, engrs.

Grain Elevator—South Chicago (Chicago P. O.), **Ill.**—Nye & Jenks Grain Co., 140 West Van Buren St., Chicago, plans addition, incl. marine tower, etc. to Wabash R. R. grain elevator, 104th St. and Torrence Ave., here. J. Stewart & Co., Fisher Bldg., Chicago, engrs.

Swimming Pool—Mason City, Ia.—See Buildings—Commercial."

Street Lighting—St. Paul, Minn.—Making plans ornamental street lighting system on approximately 50 mi. various streets. $350,-000. G. M. Shepard, city engr.

Gas Mains—Pampa, Tex.—W. L. Woodard et al, Pampa, plan gas mains from nearby fields to Pampa. $50,000. Private plans.

Power Line—San Antonio, Tex.—San Antonio Pub. Serv. Co., plans 83 mi. line to connect with Waco Light & Power Co. line. E. H. Kifer, mgr.

Gas Pipe Line—Altus, Okla.—Plans extending main supply line to Sayre Fields. To exceed $25,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Breakwater—Grand Harbour, N. B.—Sept. 17, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, constructing breakwater at Ingalls Head, Charlotte Co., here. $25,000.

Piers—Three Rivers, Que.—St. Lawrence Paper Co., plans 340 ft. crib work for 4 piers. $75,000. O. S. White, Three Rivers, engr.

BIDS DESIRED

Heating and Ventilating — Waltham, Mass. — Sept. 15, by City, Mayor's Office, heating and ventilating in New City Hall, Common St. $25,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts.

Wiring, etc.—Buffalo, N. Y.—Sept. 17, by City, wiring for light and power, remote control cabinets, switch boards, automatic control, transformers, etc. for filter plant, foot of Jersey St. To exceed $25,000. G. C. Andrews, Col. Ward Pumping Sta., engr.

Special Work, etc.—Brooklyn, N. Y.—Sept. 11, Bd. Transportation, 49 Lafayette St., New York City, special work for use in construction of portion of Flushing Extension, also installing tracks etc., for portion of Coney Island Yard. J. H. Delaney, chn.

Oil Burning System—New York, N. Y.—Sept. 11, by W. W. Mills, comr. Plant & Structures, Municipal Bldg., complete fuel oil storage and oil burning system for combined boiler plant of Willard Parker Hospital and Central Motor Repair Shop, 16th St. and East River.

Borings—Phila., Pa.—Sept. 8, by Director Pub. Wks., City Hall, 22 test borings at site City Hall and Juniper and Filbert Sts. Noted July 10, 1924, under "Buildings."

Grand Stand—York, Pa.—Sept. 11, by York Co. Agricultural Society, c/o J. H. Rutler, York, 94 x 420 ft., rein.-con. and brick grand stand, plain foundation. $200,-000. Osborn Eng. Co., East 71st, Euclid Bldg., Cleveland, O., engrs. E. Leber, Hay Bldg., archt.

Subway, etc.—Wash., D. C.—Sept. 25, by Dist. Comrs., Room 509 Dist. Bldg., constructing subway and bridge; adv. E. N.-R. Sept. 3.

Power Lines and Sub-Stations — Illinois —See "Contracts Awarded."

Traffic Signals—Shreveport, La.—Sept. 8, by Comn. Council, electric traffic control system for 15 downtown streets, also underground apparatus for same.

Swimming Pool — Woodriver, Ill. — See "Buildings—Educational, Religious."

Gas Pipe Line—Oklahoma—See "Contracts Awarded."

Breakwater, etc.—Canada—Sept. 15, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, 310 ft. breakwater at Escuminac, Northumberland Co., N. B., $50,000; and for wharf at Arisaig, Antigonish Co., N. S., $10,000.

Air Compressor—Esquimalt, B. C.—Sept. 10, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, complete air compressor at dry dock, here. $40,000.

Jetty, etc.—Ottawa, Ont.—Sept. 11, by S. E. O'Brien, secy. Bd. Pub. Wks., 1,200 ft. timber cribwork jetty at Nicolet, Que.; and additional concrete bulkhead to existing wharf at Cap-de-la-Madeleine, Que. $30,-000 each. B. Grandmont, Three Rivers, engrs.

BIDS RECEIVED

Wharf — New Orleans, La. — Bd. Port Comrs., New Court House, (2nd unit) Poland St. Wharf, 450 ft. long from J. Riess, Carondelet Bldg., steel $149,778 and wood $162,403, furnishing steel, from Rochester Bridge Co., Rochester, N. Y. (1) $79,337 (2) $96,060; unloading, erecting and painting steel, from A. P. Boh & Co., 417 Baronne St., $19,249; furnishing and erecting steel rolling doors for Poland and Piety Street sheds, from Kinnear Mfg. Co., Hibernia Bldg., $18,411; for 25,000 and 50,000 bbl. fuel oil, from Sinclair Refining Co., Carondelet Bldg., $1.39 and $1.44 respectively.

Pumphouse, Culverts, etc.—Detroit, Mich.—Wayne Co. Road Comn., 1103 Real Estate Exch. Bldg., Aug. 11, from Closser Bros., Wyandotte, improvements for Grade Separation 8,216,002 on Plymouth Rd., near Pere Marquette Ry., pumphouse $7,250, concrete culverts $2,801, outlet sewer $2,363, 26,000 cu.yd. excav. $20,800, etc., total $47,895.

CONTRACTS AWARDED

Heating, etc. — Marlboro, Mass. — City Mayor's Office, heating and ventilating system in old high school, also connections and piping in new high school, to V. J. Kenneally Co., 256 Dover St., Boston, $24,-500. Noted Aug. 13.

Train Sheds, etc.—Atlanta, Ga.—Atlanta Terminal Co., Terminal Bldg., general contract additional train sheds, covering platforms, etc., to Foundation Co., 101 Marietta St. Engrs. est. $200,000.

Heating, etc.—Louisville, Ky. — See "Buildings—Commercial."

Foundations, etc.—Sandusky, O.—Ohio Pub. Serv. Co., 1800 B. F. Keith Bldg., Cleveland, foundations and tower for power transmission line across Sandusky Bay, Erie Co., 400 cu.yd. earth and 25 cu.yd. rock excav., and 935 cu.yd. rein.-con., etc., to Amer. Constr. Co., 1276 West 3rd St., Cleveland. Engrs. est. $60,000.

Power Lines and Sub-Stations—Illinois—Illinois Northern Utilities Co., Dixon, will build 15.5 mi. No. 4 copper line on 30 ft. piles from Shabbona to Steward and Lee, $25,000; sub-station incl. three 25 kva. switching equipment at Steward, $1,500; same type station at Lee, $2,000; and distribution systems in Steward $5,000, and Lee $4,000, by own forces.

Gas Pipe Line—Oklahoma— Oklahoma Natural Gas Co., 1 East 36th St., will build 65 mi. new 16 in. pipe line from Tulsa to Kelleyville and from Depew to point southwest of Wewoka, Seminole Co. to tap Cromwell fields, also three 8 in. river crossings to Tulsa, new compressor station at Lohman, Osage Co. and minor installations in various towns, by day labor, under supervision of A. W. Leonard, vice. pres. $2,000,000. C. H. Crutcher, Tulsa, engr. Noted July 16.

Alarm System — Montreal, Que. — City, police alarm system, to Northern Electric Co., 121 Shearer St., $180,860.

Materials

BIDS DESIRED

Pipe—Long Beach, Calif.—Sept. 29, by City Council, 34,880 lin.ft. 6- to 20 in. c.i. Class "B" pipe. C. H. Windham, City Hall, engr.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M. Tuesday can usually be printed in the issue out Thursday.

Rate:
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THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Sept. 16

State Highway Work

Dover, Del.

Sealed proposals will be received by the State Highway Department, at its office, Dover, Delaware, until 2 o'clock P. M., September 16, 1925, and at that place and time publicly opened, for the construction of State Aid Highways, involving the following approximate quantities:

CONTRACT 37E
REMOVING OLD BRIDGE AT DRAWYERS—LUMP SUM BID

CONTRACT CK30
MARYLAND LINE-HARTLY—2.60 MILES

9,600 Cu. Yds. Excavation
1,200 Cu. Yds. Borrow
80 Tons Broken Stone Base Course
4,025 Cu. Yds. Cement Concrete Pavement
OR 4,025 Cu. Yds. Cement Concrete Pavement (Slag Aggregate)
13,800 Lin. Ft. Longitudinal Metal Joint
OR 13,800 Lin. Ft. Machine Finished Non-Metallic Joint
50 Cu. Yds. Class "A" Concrete
1,500 Lbs. Reinforcement
360 Lin. Ft. 15 in. Corrugated Metal Pipe
60 Lin. Ft. 15 in. R. C. Pipe
112 Lin. Ft. 18 in. R. C. Pipe
56 Lin. Ft. 24 in. R. C. Pipe
56 Lin. Ft. 30 in. R. C. Pipe
30 Lin. Ft. 36 in. R. C. Pipe
2,400 Lin. Ft. Wood Shoulder Curb

CONTRACT CS30C
REHOBOTH CONNECTION—0.875 MILES

1-3 Acres Clearing
1-3 Acres Grubbing
2,500 Cu. Yds. Excavation
200 Cu. Yds. Borrow
1,475 Cu. Yds. Cement Concrete Pavement
OR 1,475 Cu. Yds. Cement Concrete Pavement (Slag Aggregate)
4,470 Lin. Ft. Longitudinal Metal Joint
OR 4,470 Lin. Ft. Machine Installed Non-Metallic Long. Joint
60 Tons Amiesite
10 Cu. Yds. Class "A" Concrete
400 Lbs. Reinforcement
160 Lin. Ft. 15 in. R. C. Pipe

Performance of contract shall commence within ten (10) days after execution of the contract and be completed as specified.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check, or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposal for the Construction of State Highway Contract No....."

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Detailed plans may be seen and index plans and specifications may be obtained upon deposit of ten dollars ($10.00) which amount will be refunded upon return of plans and specifications in good condition at the office of

STATE HIGHWAY DEPARTMENT
Dover, Delaware.

OFFICIAL PROPOSALS

Bids: Oct. 6

Construction of 60-inch Cast Iron Outfall Sewer

Lynn, Mass.

Sealed proposals, in duplicate, addressed to the Commission on Ways and Drainage of the City of Lynn, Mass., for constructing a 60-inch Cast Iron Outfall Sewer, complete, in Lynn Harbor, will be received at the offices of the Purchasing Agent and City Engineer of the City of Lynn, City Hall, Lynn, Mass., until 4:00 o'clock p.m. Eastern Standard Time Tuesday, October 6, 1925, and will be publicly opened and read at the meeting of the City Council of the City of Lynn at 7:00 p.m. of that day.

The work under this contract will consist of unloading from cars or boats, storing, hauling, laying on pile foundations and testing, inclusive of necessary dredging, backfilling and disposal of surplus material, approximately 15,000 feet of 60-inch cast iron pipe and special castings, complete, from a point near the City's proposed pumping station, located on its property adjacent to that of the Lynn Gas & Electric Company, to deep water outside of Lynn Harbor.

Plans, specifications and form of contract are on file and can be obtained at the office of the City Engineer, City Hall, Lynn, Mass. A set of the plans and specifications may be obtained for use in making up a bid by depositing Twenty-five Dollars ($25.00) and this deposit will be refunded if such plans and specifications are returned in good condition within two weeks after the date set for receiving bids by the City Council.

The right to reject any or all proposals or to accept any bid deemed advisable for the interests of the City of Lynn, is reserved by the Commission on Ways and Drainage and the City Council of the City of Lynn.

Each proposal shall be accompanied by a certified check for Fifteen Thousand Dollars ($15,000.00) drawn to the order of the City Treasurer of Lynn, Mass. The bidder to whom the contract is awarded will be required to furnish, for the faithful performance of the work under this contract, an approved Surety Company Bond in the amount of Four Hundred Thousand Dollars ($400,000.00).

CITY OF LYNN, MASSACHUSETTS
BY ITS
COMMISSION ON WAYS & DRAINAGE
HARLAND A. McPHETRES,
OTIS R. DUSHUTTLE,
REEVES J. NEWSOM,
JOHN R. GRAHAM,
WILLIAM L. VENNARD,
MORRIS KNOWLES, INC.,
Engineers.

Bids: Oct. 6

Construction of Court House

Labelle, Fla.

Sealed proposals will be received by the County Commissioners of Hendry County, at their office in Labelle, Florida, until 12 o'clock noon on the 6th day of October, 1925, when bids will be opened and read for the construction of the Hendry County $100,000.00 Court House.

Plans and specifications will be forwarded upon the application and deposit of $25.00 with

W. T. HULL, Clerk.
Labelle, Florida.

OFFICIAL PROPOSALS

Bids: Sept. 14

Concrete Road Construction

Hackettstown, N. J.

Notice is hereby given that sealed bids will be received by the Common Council of the Town of Hackettstown for the improvement of Mountain Avenue in the Town of Hackettstown in the County of Warren with a reinforced concrete surface; estimated amount of concrete surface pavement required is 14,378 square yards; and opened and read in public at the Town Hall, Hackettstown, N. J., on

SEPTEMBER 14, 1925, AT 7:30 O'CLOCK P. M., STANDARD TIME.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by H. W. Vetter, engineer, and approved by the State Highway Commission have been filed in the office of the said engineer at Belvidere and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to Arthur G. Boettiger, Clerk of the Town of Hackettstown, and must be accompanied by a statement from a surety company authorized to do business in New Jersey stating that it will furnish the bidder with a satisfactory bond in the full amount of the contract, in case he is found to be the lowest responsible bidder and is subsequently awarded the contract, and a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of the Common Council of the Town of Hackettstown.

ARTHUR G. BOETTIGER,
Clerk.

Bids: Sept. 21

Concrete Dam

Streator, Ill.

Sealed proposals will be received by the Streator Aqueduct Company until 2:00 p.m., September 21, 1925, for the construction of a concrete dam and appurtenances.

The principal quantities include approximately 9,400 cu.yd. of excavation, 4,900 cu.yd. of backfill and embankment, 5,100 cu.yd. concrete and 59,000 lb. of reinforcing steel.

One set of plans and specifications may be obtained from either the company or the consulting engineers by making a deposit of $10.00, which deposit will be returned on the return in good order of the plans and specifications.

A certified check for $2,500 must accompany each bid, and the successful bidder will be required to furnish a bond for $100,000.

The right is reserved to reject any or all bids.

R. D. HUGGAN,
Supt., Streator Aqueduct Co.
MAURY & GORDON,
Consulting Engineers,
1445 Monadnock Bldg.,
Chicago, Illinois.

CONSTRUCTION NEWS

Engineering News-Record, Sept. 10, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Paper mill, Three Rivers, Que., St. Maurice Paper Co., Montreal, having plans prepared, $6,000,000.

Widening streets, Youngstown, O., city plans on widening streets, $3,504,000.

Hotel, Detroit, Mich., J. J. Barlum having plans prepared, $2,500,000.

Jail and court buildings, Chicago, Ill., Cook county having plans prepared, $2,500,000.

Paving, Cleveland, O., city plans bond election, $2,000,000.

Irrigation, Surveys in Potter and Oldham counties, Tex.,, $2,000,000.

Office, San Antonio, Tex., T. B. Baker & Associates having plans prepared, $2,000,000.

Bridge, Mobile, Ala., city making plans, $2,000,000.

Office, Chicago, Ill., Standard Oil Co. of Indiana having plans prepared, $2,000,000.

Office, San Antonio, Tex., T. B. Baker & Associates having preliminary plans prepared, $2,000,000.

Blast furnace and power plant, Granite City, Ill., St. Louis Coke & Iron Co. plans new plant, $2,000,000.

Theatre, New York, N. Y. W. Fox plans theatre, $1,500,000.

Street and sewer work, Los Angeles, Calif., city plans bond election, $1,250,000.

Road improvement, San Rafael, Calif., city plans bond election, $1,250,000.

Sewers, Cleveland, O., city plans bond election, $1,000,000.

Court house, Santa Barbara, Calif., city plans bond election, $1,000,000.

Hall, Chicago, Ill., University of Chicago having plans prepared, $1,000,000.

Hospital, Los Angeles, Calif., Hospital of Good Samaritan having plans prepared, $1,000,000.

Bids Wanted On Big Jobs

Bank and office, New York, N. Y., Seaman's Bank for Savings soon takes bids, $2,000,000.

High school, Chicago, Ill., Sept. 29, Bd. of Educ, $1,250,000.

Hotel, Long Beach, Calif, F. B. Dunn taking bids, $1,000,000.

Large Contracts Let During Week

Hotel, West Palm Beach, Fla., Ritz-Carlton Hotel Corp., to Dwight P. Robinson & Co., New York City, $4,000,000.

Hospital, Creedmoor, N. Y., State Hospital Comn. let three contracts, total, $3,750,049.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Sept. 12	Memphis, Tenn.	Sept. 10
Sept. 14	Coraopolis, Pa.	Sept. 3
Sept. 14	Pennington, N. J.	Sept. 3
Sept. 15	Detroit, Mich.	Aug. 27
Sept. 15	Potsdam, N. Y. Adv. Sept. 3 and 10.	Sept. 10
Sept. 15	Holdenville, Okla.	Sept. 10
Sept. 15	Davenport, Okla.	Sept. 10
Sept. 15	Austin, Minn.	Sept. 10
Sept. 16	New York, N. Y.	Aug. 13
Sept. 17	Cincinnati, O.	Sept. 10
Sept. 18	New York, N. Y.	Sept. 10
Sept. 18	Cambridge, Minn.	Sept. 10
Sept. 18	Isala, Miss.	Aug. 27
Sept. 21	Masontown, Pa.	Sept. 3
Sept. 22	Wheeling, W. Va. Adv. Sept. 10.	Sept. 10
Sept. 22	Tallahassee, Fla. Adv. Aug. 27 to Sept. 10.	Aug. 27
Sept. 22	Youngstown, O.	Aug. 27
Sept. 22	Vancouver, B. C.	Sept. 10
Sept. 30	Staunton, Ill.	Sept. 10
	SEWERS	
Sept. 14	Berea, O.	Aug. 27
Sept. 14	Detroit, Mich.	Sept. 3
Sept. 14	Plymouth, Mich.	Sept. 3
Sept. 14	Chicago, Ill.	Sept. 10
Sept. 14	Steger, Ill. Adv. Sept. 10.	Sept. 10
Sept. 14	Detroit, Mich.	Sept. 10
Sept. 14	St. Joseph, Mo.	Sept. 10
Sept. 15	San Antonio, Tex.	Sept. 10
Sept. 15	Boston, Mass.	Sept. 10
Sept. 15	Libertyville, Ill.	Aug. 13
Sept. 15	Tampa, Fla.	Sept. 3
Sept. 15	Holdenville, Okla.	Sept. 10
Sept. 16	San Francisco, Calif.	Sept. 10
Sept. 16	Cleveland, O.	Sept. 10
Sept. 16	Cincinnati, O.	Sept. 10
Sept. 16	Beloit, Wis.	Sept. 10
Sept. 17	Boston, Mass.	Sept. 10
Sept. 17	Taylorville, Ill.	Sept. 3
Sept. 18	Lincoln Park, Mich.	Sept. 3
Sept. 18	Boston, Mass.	Sept. 10
Sept. 21	Boston, Mass.	Sept. 10
Sept. 21	Los Angeles, Calif.	Sept. 10
Sept. 23	Grand Rapids, Mich. Adv. Sept. 3 and 10.	Sept. 3
Sept. 23	Boston, Mass.	Sept. 10
Sept. 25	Louisville, Ky. Adv. Sept. 3 and 10.	Sept. 3
Oct. 6	Lynn, Mass.	Sept. 3
	BRIDGES	
Sept. 11	Dayton, O.	Aug. 27
Sept. 14	Pennsylvania Adv. Aug. 20 to Sept. 10.	Aug. 27
Sept. 14	Chester, Pa. Adv. Aug. 20 to Sept. 10.	Aug. 27
Sept. 14	Connecticut	Sept. 10
Sept. 15	Clinton, Okla.	Sept. 10
Sept. 15	Hutchinson, Kan.	Sept. 10
Sept. 16	Providence, R. I.	Aug. 27
Sept. 23	Roach, W. Va. Adv. Sept. 3 and 10.	Sept. 3
Sept. 25	Cincinnati, O.	Sept. 3
Sept. 28	Croydon, (Bridgewater P. O.) Pa. Adv. Sept. 10.	Sept. 10
Sept. 29	Ford, Kan.	Sept. 10
Oct. 1	New Braunfels, Tex.	Aug. 27
Oct. 8	Charleston, W. Va.	Sept. 10
	DAMS	
Sept. 21	Streator, Ill.	Sept. 3
Oct. 12	Los Angeles, Calif.	Aug. 20
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
Sept. 22	Welland, Ont.	Aug. 27
Sept. 22	Edinburg, Tex. Adv. Aug. 20 to Sept. 10.	Aug. 27
Sept. 25	Thomson, N. Y. Adv. Sept. 3 and 10.	Sept. 3
	STREETS AND ROADS	
Sept. 11	Peru, Ind.	Sept. 3
Sept. 11	Logansport, Ind.	Sept. 3
Sept. 12	Cleveland, O.	Sept. 3
Sept. 14	Hackettstown, N. J. Adv. Sept. 3 and 10.	Sept. 3
Sept. 14	New Jersey	Aug. 27
Sept. 14	Greenville, Miss.	Sept. 3
Sept. 14	Amory, Miss.	Sept. 10
Sept. 14	Milwaukee, Wis.	Sept. 10
Sept. 14	Mexico, Mo.	Sept. 10
Sept. 15	Tampa, Fla.	Sept. 10
Sept. 15	Burlington, N. J.	Sept. 10
Sept. 15	Philippi, W. Va.	Sept. 10
Sept. 15	Monticello, Fla.	Sept. 3
Sept. 15	St. Louis, Mo.	Aug. 20
Sept. 15	Louisiana	Aug. 27
Sept. 15	Albert Lea, Minn.	Aug. 27
Sept. 15	Oklahoma	Sept. 10
Sept. 15	South Carolina	Sept. 10
Sept. 15	Maryland Adv. Sept. 10.	Sept. 10
Sept. 16	Delaware	Sept. 3
Sept. 16	Nebraska	Sept. 10
Sept. 16	Maryville, Mo.	Sept. 10
Sept. 16	Columbus, O.	Sept. 10
Sept. 16	Maine	Sept. 10
Sept. 17	Trenton, N. J.	Sept. 10
Sept. 17	Phila., Pa.	Sept. 10
Sept. 17	Kansas City, Mo.	Sept. 3
Sept. 17	Kansas City, Kan.	Sept. 3
Sept. 17	San Diego, Tex.	Sept. 3
Sept. 18	North Dakota	Sept. 3
Sept. 18	Creedmoor (mail Floral Park), N. Y. Adv. Sept. 10.	Sept. 10
Sept. 19	New Albany, Ind.	Sept. 3
Sept. 19	Baltimore, Md.	Sept. 10
Sept. 21	California	Sept. 10
Sept. 21	Little Silver, N. J. Adv. Sept. 3 and 10.	Sept. 3
Sept. 21	Kentucky	Aug. 27
Sept. 22	New Orleans, La.	July 2
Sept. 22	Edinburg, Tex.	Aug. 20
Sept. 22	Pennsylvania Adv. Sept. 3 and 10.	Sept. 3
Sept. 22	Natchez, Miss.	Sept. 10
Sept. 23	Elizabeth City, N. C.	Sept. 3
Sept. 24	New Orleans, La.	July 2
Sept. 24	Lyndon, Kan.	Sept. 3
Sept. 24	Mount Doro, Fla.	Sept. 3
Sept. 24	Louisiana	Sept. 3
Sept. 25	Oskaloosa, Kan.	Sept. 3
Sept. 25	New York Adv. Sept. 10.	Sept. 10
Sept. 25	San Antonio, Tex.	Sept. 10
Sept. 26	Berkley Springs, W. Va.	Sept. 10
Sept. 29	West Virginia	Sept. 10
Sept. 29	Siloam Springs, Ark.	Sept. 10
Sept. 29	Louisville, Miss.	Sept. 10
Sept. 29	Charleston, W. Va.	Sept. 10
Sept. 29	Arkansas	Sept. 10
Sept. 29	West Virginia	Sept. 10
Sept. 30	Orlando, Fla.	Sept. 10
Oct. 2	San Antonio, Tex.	Sept. 10
Oct. 2	Oberlin, Kan.	Sept. 10
Oct. 14	Alabama	Sept. 10
Oct. 15	Alabama	Sept. 10
	BUILDINGS—INDUSTRIAL	
Sept. 14	Baltimore, Md.	Sept. 3
Sept. 15	Edgewater, N. J.	Sept. 10
Oct. 13	Durban, South Africa	July 30
	BUILDINGS—COMMERCIAL	
Sept. 14	Phila., Pa.	Sept. 3
Sept. 14	Phila., Pa.	Sept. 10
Sept. 15	Chicago, Ill.	Aug. 20
Sept. 15	St. Louis, Mo.	Aug. 20
Sept. 15	Skillman, N. J.	Sept. 10
Sept. 15	Worcester, Mass.	Sept. 10
Sept. 15	Chicago, Ill.	Aug. 27
Sept. 15	Miami, Fla.	Sept. 3
Sept. 15	Chicago, Ill.	Sept. 10
Sept. 16	Utica, N. Y. Adv. Sept. 10.	Sept. 10
Sept. 16	Wingdale, N. Y.	Aug. 27
Sept. 17	St. Joseph, Mo.	Sept. 3
Sept. 18	Corsicana, Tex.	Sept. 10
Sept. 18	Vancouver, B. C.	Sept. 10
Sept. 22	Cleveland, O.	Sept. 3
Sept. 23	Marcy, N. Y. Adv. Sept. 10.	Sept. 10

Bids Close		See Eng. News-Record
Sept. 24	Mobile, Ala.	Sept. 10
Sept. 29	Chicago, Ill.	Sept. 10
Oct. 6	Labelle, Fla.	Aug. 20
	Adv. Aug. 20 to Sept. 10.	
Oct. 12	Breckenridge, Tex.	Sept. 3
Nov. 15	Aurora, Ill.	Aug. 27

BUILDINGS—EDUCATIONAL, RELIGIOUS

Sept. 12	Phila., Pa.	Sept. 3
Sept. 14	New Bedford, Mass.	Aug. 27
Sept. 15	Leetsdale, Pa.	Sept. 10
Sept. 15	Buffalo, N. Y.	Sept. 3
Sept. 15	Wash., D. C.	Sept. 10
Sept. 17	Sacramento, Calif.	Sept. 10
Sept. 20	Jackson, Mich.	Aug. 27
Sept. 22	Marshalltown, Ia.	Sept. 3
Sept. 22	Detroit, Mich.	Sept. 10
Sept. 23	Baltimore, Md.	Sept. 10
Sept. 29	Cleveland, O.	Sept. 3
Sept. 30	Virginia, Minn.	Aug. 20

FEDERAL GOVERNMENT WORK

Sept. 12	Gate Machinery—Florence, Ala.	Sept. 10
Sept. 14	Dredging—New York, N. Y.	Aug. 20
	Adv. Aug. 20 to Sept. 10.	
Sept. 15	Kitchen and Mess Building—Perry Point, Md.	Aug. 20
Sept. 15	Dredging—Mobile, Ala.	Aug. 20
	Adv. Aug. 20 to Sept. 10.	
Sept. 15	Piers—Boston, Mass.	Sept. 3
Sept. 15	Dike—Kansas City, Mo.	Sept. 10
Sept. 15	Pumps, etc.—Boston, Mass.	Sept. 10
Sept. 16	Paving—Phila., Pa.	Aug. 20
Sept. 18	Remodeling—Savannah, Ga.	Aug. 27
Sept. 21	Barges—St. Louis, Mo.	Aug. 27
Sept. 22	Filtration Plant—Wash., D. C.	Aug. 27
	Adv. Aug. 27 to Sept. 10.	
Sept. 22	Post Office—Sandusky, O.	Aug. 20
Sept. 23	Painting—St. Paul, Minn.	Sept. 3
	Adv. Sept. 3.	
Sept. 23	Gate Hoist—Florence, Ala.	Sept. 10
	Adv. E. N.-R. Sept. 10.	
Sept. 24	Remodeling—Holyoke, Mass.	Sept. 3
Sept. 24	Air Compressor—Florence, Ala.	Aug. 27
	Adv. Aug. 27 to Sept. 10.	
Sept. 24	Dredging—New York, N. Y.	Sept. 3
Sept. 25	Post Office—Comanche, Tex.	Aug. 27
Sept. 25	Tender—Wash., D. C.	Aug. 27
Sept. 25	Hydraulic Dredge—Norfolk, Va.	Sept. 3
	Adv. Aug. 27 to Sept. 10.	
Sept. 30	Quarters, etc.—Sackets Harbor, N. Y.	Sept. 3
	Adv. Sept. 3 and 10.	
Sept. 30	Quarters—Oceanport, N. J.	Sept. 3
	Adv. Sept. 3 and 10.	
Sept. 30	Post Office—Cheboygan, Mich.	Sept. 10
Oct. 2	Dredging—Stamford, Conn.	Sept. 3
	Adv. Sept. 3 and 10.	

UNCLASSIFIED

Sept. 11	Grand Stand—York, Pa.	Sept. 3
Sept. 11	Oil Burning System—New York, N. Y.	Sept. 3
Sept. 11	Special Work—Brooklyn, N. Y.	Sept. 3
Sept. 11	Jetty, etc.—Ottawa, Ont.	Sept. 3
Sept. 15	Breakwater, etc.—Canada	Sept. 3
Sept. 15	Heating and Ventilating—Waltham, Mass.	Sept. 3
Sept. 15	Wharf—New Orleans, La.	Sept. 10
Sept. 16	Heating and Ventilating—Boston, Mass.	Sept. 10
Sept. 17	Sea Wall—Lockport, Ill.	Sept. 10
Sept. 17	Wiring, etc.—Buffalo, N. Y.	Sept. 3
Sept. 17	Breakwater—Grand Harbor, N. B.	Sept. 3
Sept. 18	Subway—New York, N. Y.	Sept. 10
Sept. 23	Breakwater—Port Maitland, N. S.	Sept. 10
Sept. 24	Pier—Toronto, Ont.	Sept. 10
Sept. 25	Subway—Wash., D. C.	Sept. 3
Sept. 29	Towers—Wellington, New Zealand	Aug. 6
Oct. 1	Foundation—Madison, Wis.	July 30
Oct. 6	Ventilation Buildings, New York, N. Y.	Sept. 10

MATERIALS

Sept. 16	Lumber, etc.—New York, N. Y.	Sept. 10
Sept. 29	Pipe—Long Beach, Calif.	Sept. 3
Oct. 10	Wire—Melbourne, Australia	Aug. 20
Oct. 13	Insulation Strings—Wellington, New Zealand	Aug. 6
Oct. 20	Telephone Cable—Melbourne, Australia	Aug. 20
Nov. 9	Cable—Melbourne, Australia	Aug. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Longport—Plans extending mains in various streets. $22,000. E. D. Rightmire, city engr.

N. J., Woodbury—Plans new reservoir at water plant. $25,000. G. R. Schenck, councilman. Engineer not selected.

Miss., Ocean Springs—Election Oct. 3, $75,000 bonds, for waterworks and distribution system, etc.

Tenn., Watertown—Voted $55,000 bonds, for waterworks, incl. 225,000 gal. steel or rein.-con. reservoir. Ambler Eng. Co., Travelers' Bldg., Richmond, Va., engrs. Noted July 2.

O., Lakewood (Cleveland P. O.)—Election Nov. 3, $32,000 bonds, mains in various streets. E. A. Fisher, City Hall, engr.

O., Barberton—Soon takes bids extending mains in all sections, also extending mains and erecting standpipe in east side. $150,000.

O., Wickliffe—Takes bids this fall, 4 mi. 6 and 8 in. c.i. mains in various streets. Sterling Eng. Co., 7016 Euclid Ave., Cleveland, engrs.

Kan., Iola — Plans waterworks improvements, incl. new filtration plant, etc. O. W. Holmes, city clk.

Kan., Tescott — Defeated $33,000 bonds, for waterworks. Noted July 23.

N. D., Fargo—Making plans mains around city loop. $100,000. R. T. Jacobson, city engr.

Mont., Billings—Yellowstone Co. making plans extending mains into suburbs south of here, incl. approximately 7,690 ft. in Dist. 19, 3,088 ft. in Dist. 20 and 4,745 ft. in Dist. 21. $14,521.

Mo., Puxico—See "Buildings—Industrial."

Tex., Big Lake—Voted $25,000 bonds for waterworks improvements, incl. additional mains, etc. Address Mayor.

Tex., Bryan — Election Oct. 6, $25,000 bonds, to purchase tank and tower for waterworks. J. B. Miller, city mgr.

Tex., Como — Election soon $35,000 or more bonds, waterworks system. Address Mayor.

Tex., Duncanville — Election soon $40,000 or more bonds waterworks system. Address Mayor.

Tex., Hubbard—Making plans waterworks improvements. $75,000. Elrod Eng. Co., 3124 Main St., Dallas, engrs.

Tex., Muleshoe—Making plans new waterworks. $45,000. Gantt Baker Co., 116 West Main St., Oklahoma City, Okla., engr.

Tex., Richardson — Voted $50,000 bonds, complete waterworks. E. L. Dalton, 319 Wilson Bldg., Dallas, consult. engr. Noted July 23.

Okla., Altus—Made surveys gravity water supply from Lugert in Wichita Mountains. $850,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Sept. 3.

Okla., Frederick — Making preliminary plans new main extensions, wells and large concrete reservoir. $35,000. E. U. Gamblin, mayor. Engineer not announced.

Okla., Red Fork—Takes bids in September new waterworks, incl. wells, pumps, motors, tanks and mains. $65,000. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Calif., Newport Beach—Election Sept. 10, $350,000 bonds, for water improvements.

BIDS DESIRED

N. Y., New York—Sept. 18, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc. in Spuyten Duyvil Rd., Arlington, Barkley, Castle Hill, Edison, Edson, Griswold, Hering, Hone, Hunter, Husson, Liebig, Lodovick, Miles, Paulding, Pilgrim, Randall, Rhinelander, Roberts, Seymour and Story Aves.; Baretto, Casanova, Poplar, East 211th and West 234th Sts.

N. Y., Potsdam—Sept. 15, by Municipal Bd., Village Hall, 4 rein.-con. rapid mechanical filters of 2 m.g. per day total capacity, etc. Bogart & Pohl, 30 Church St., New York City, engrs.; adv. E. N.-R. Sept. 10.

W. Va., Wheeling — Sept. 22, by City Booster pumping station, on National Pike at Elm Grove. J. N. Chester Engineers, Pittsburgh, Pa.; adv. E. N.-R. Sept. 10.

O., Cincinnati—Sept. 17, by Director Pub. Serv., 38,450 ft. 16- to 24-in. c.i. mains, special castings, etc. from Western Hills Pumping Station to Mt. Airy. $110,000. F. Krug, City Hall, engr.

Ill., Staunton — Sept. 30, by City Clerk, earth dam, concrete spillway, core wall, bridge, intake, 4,000 sq.yd. brick paving on dam, 8,000 ft. 12 in. c.i. pipe, 2 m.g.p.m. filter plant, steam heating plant, 200,000 gal. concrete reservoir, 100,000 gal. tank on tower, two 700 g.p.m. 100 ft. one 500 g.p.m. 40 ft., one 500 g.p.m. 125 ft. and one 1,000 g.p.m. 125 ft. motor driven head pumps, also 2 mi. transmission line and 2 mi. telephone lines, etc. $200,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted July 16.

Minn., Austin — Sept. 15, by D. C. Todd, secy. Water, Electric Light, Gas & Power Comn., raising and rein.-con. surfacing 665 ft. wall, 12.5 ft. deep and 8 in. thick; also constructing concrete columns to support 25,500 sq.ft. concrete slab roof for city springs. $15,000.

Minn., Cambridge — Sept. 18, by S. R. Bronnicke, village recdr., watermains extensions, drilling well and installing pump and motor, etc.

Okla., Davenport—Sept. 15, by T. Combs, city clk., new waterworks, incl. 17,900 ft. 4- to 8-in. c.i. pipe, well, pump, motor tank, valves, hydrants, mains, etc. $47,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted July 23.

Okla., Holdenville—Sept. 15, by J. Kirk, city clk., new pumping equipment, mains, valves, hydrants, 2 m.g. steel reservoir, 37,100 ft. 8- to 12-in. c.i. pipe, dam across Little River, etc. $128,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Norman—See "Contracts Awarded."

B. C., Vancouver—Sept. 22, by City Council, 9,000 lin.ft. c.i. pipe, and valves, $150,000; also boring 800 ft. tunnel to top Borwell Lake, about 90 ft. below surface, $50,000. C. Brackenridge, City Hall, engr.

BIDS RECEIVED

Mass., Boston—Supply Dept., 500 concrete post hydrant boxes, from Hugh Nawn Inc., 82 Savin St., Roxbury, $7.90 per box.

N. Y., Long Island City — N. J. Hayes, Comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Sept. 1, mains, etc. in Idewild Ave. and Garfield St., 4th Ward, here, from Gregory Contg. Co., Inc. 351 East 124th St., New York City, $36,953. Noted Aug. 27.

Wis., Milwaukee—Dept. Pub. Wks., Aug. 27, mains in various streets, from H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, $20,227; mains in another section from Wenzel & Hanoch Co., 498 27th St., $3,227. Pipe furnished by city.

Minn., Fairmont—H. J. Waite, secy. Water & Light Comn., filtration plant, from Gjellefald & Chapman Constr. Co., Forest City, Ia., $49,552. Noted Aug. 6.

Tex., Greenville—City, M. C. Hale, secy., earth work sprinkling method for waterworks improvements, from Trinity Farm Constr. Co., Waxahachie, $94,390.

Calif., Beverly Hills—Waterworks in Wilshire Blvd., La Cienega and Prenis Rds., from G. Mitchell Co., 619 West Belgrade Ave., $58,100. Engrs. est. approximately $55,000.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Alabama, Atlantic, Hegeman, Jerome, Nostrand, Porter, 7th and 8th Aves., Ingraham and Sackman Sts., here, to Norton & Rigney, 137th St., Jamaica, $13,000. Noted Sept. 3.

O., Cleveland—Sheet steel piling for Division Ave. filtration plant, to Amer. Constr. Co., 1276 West 3rd St., $145,905. Noted March 5.

Mich., Detroit—Water Bd., 105,600 lin.ft. 8 in. centrifugal pipe, f.o.b. Detroit, to U. S. Cast Iron Pipe & Fdry. Co., Pearl St., Burlington, N. J., at $1.02 per lin.ft., total $107,712. Noted July 30.

Kan., Lakin—Waterworks improvements, to C. L. Burt, Hutchinson, $26,838; deep well, to Well Works Mfg. Co., Garden City. Noted April 16.

Mont., Sidney—For 5,375 ft. 6 in. mains and constructing sewers in Dists. 11 and 12, to McLaughlin & O'Neil, Livingston, $13,930 and $16,052 respectively.

Tex., Houston—O. F. Holcombe, mayor, 175 x 175 ft., rein.-con. reservoir, 4 m.g. capacity, to Johnson Constr. Co., 304 Stewart Bldg., $104,500. Engrs. est. $105,000. Noted Aug. 20.

Tex., Jayton—Water distribution system, to M. L. Friday, Wichita Falls, $38,196; also earth and rein.-con. dam as part of waterworks, to J. C. Jones, Jayton, $23,075. Noted Aug. 20.

Tex., Lometa—Waterworks improvements, to H. Stallings & Co., $4,999; pipes, etc., to Amer. Cast Iron Pipe Co., $14,436. Noted Apr. 2.

Okla., Elk City—See "Sewers."

Okla., Norman—City will lay 34,250 ft. 4- to 12-in. c.i. mains, etc. in various streets, by day labor. Former contract rescinded. Noted June 11. J. Hair, city clk.

Sewers

PROPOSED WORK

O., Canton—Plans sanitary sewer in Clarendon Heights. $125,000. W. E. Sarver, Canton, engr.

O., Cleveland—Election Nov. 3, $1,000,000 bonds, sewers in various streets. R. Hoffman, City Hall, engr.

O., Lakewood (Cleveland P. O.)—Election Nov. 3, $35,000 bonds, sewers in various streets. E. A. Fisher, City Hall, engr.

O., Kenmore—Plans new storm water and sanitary sewers in all sections of city. $480,000. D. P. Dowling, city engr.

Ind., Evansville—Plans 3,350 ft. 6 x 102 in., 3,950 ft. x 96 in., 2,700 ft. x 90 in., 2,900 ft. x 72 in., 650 ft. x 48 in., 1,100 ft. x 57 in., 650 ft. x 48 in. main sewer. Address City Engineer.

Ill., Chicago — Bd. Local Impvts. takes bids in spring, 1,400 ft. 7.5 x 9 ft. rein.-con. and 6 mi. 2.5 to 8 ft. brick sewers, etc. in Cicero Ave. from Canal to 59th Sts., $740,000; 2 mi. 4.5 x 5.5 ft. brick sewers in Peterson Ave. from Kedzie to Kostner Aves., $185,000. H. E. Hudson, City Hall, engr.

Ill., Chicago — Bd. Local Impvts. takes bids in September or October, 3.5 mi. 1 to 3 ft. tile sewers in Clyde Ave. from 86 to 90th Sts., $99 000; and 3.5 mi. 1- to 3.5 ft. tile sewer in California Ave. from Kenilworth Ave. to Howard St. $101,000. H. E. Hudson, City Hall, engr.

Mo., Excelsior Springs — Making preliminary plans complete sanitary sewerage system in Siloam Park Dist. $100,000.

Tex., Brady—Voted $100,000 bonds, complete sewerage system. Address Mayor. Noted Aug. 20.

Tex., El Campo—Election Sept. 12, $56,000 bonds, sanitary sewerage system. W. L. Bellew, mayor.

Okla., Garber—Making plans extending 3 mi. sanitary sewers in various streets. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Los Angeles—Plans 8 in. vitr. clay sewer in 4 blocks Virgil St. between Geneva and 4th Sts. To exceed $25,000. H. A. Van Norman, City Hall, engr.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Sept. 28, 6 in. vitr. clay sewers in Grace Ave.; 8 in. concrete sewers in Acacia St., Mariposa, and Menlo Aves. H. A. Van Norman, city engr.

BIDS DESIRED

Mass., Boston—Sept. 15, by Dept. Pub. Wks., Boston, sewerage works in various streets in Dorchester; Sept. 17 and 18, in West Roxbury; Sept. 21 in Hyde Park; and Sept. 23, in Brighton. $50,000. J. A. Rourke, comr.

Miss., Natchez—See "Streets and Roads."

O., Cincinnati—Sept. 16, by Director Pub. Serv., 1,675 ft. 51- to 78-in. brick or concrete sewer in Observatory Ave. $59,100. F. Krug, City Hall, engr. Noted July 2.

O., Cleveland—Sept. 16, by Comrs. Cuyahoga Co., 1,500 ft. 8- to 15-in. vitr. clay sewers and 2,100 ft. 8 in. c.i. watermains in Impt. 97 and 353. F. Williams, Court House, engr.

Mich., Detroit—Sept. 14, by Dept. Pub. Wks., for brick and concrete sewers incl. 3,681 ft. State Fair Ave. Arm, Sect. 1 West, Connors Creek Sewer; 2,915 ft. State Fair Ave. Arm, Sect. 1 West; Connors Creek Sewer; 3,439 ft. Fenkell Ave. Arm East, Mill Road Sewer in Grand Ave. and 2,772 ft. above in Fenkell Ave.; 3,716 ft. Gratiot Ave. Arm, Seven Mile Road Sewer; 2,606 ft. Van Dyke Ave. Arm North, Seven Mile Road Sewer; and 1,768 ft. 36 in. c.i. force-main in Lonyo Rd. pumping station. P. A. Fellows, city engr.

Ill., Chicago — Sept. 14, by Bd. Local Impvts., miscellaneous sewers in various streets. $80,000. H. E. Hudson, Room 207, City Hall, engr.

Ill., Steger—Sept. 14, (extended date), by C. Stein, secy. Bd. Local Impvts., sanitary sewerage system and purification plant. J. Hoitomt, pres.; adv. E. N.-R. Sept. 10. Noted Aug. 20.

Wis., Beloit—Sept. 16, by G. E. Heebink, city engr., 10,965 ft. 8- to 18-in. vitr. clay or concrete sanitary sewers in various streets, Contr. 3; and 2,800 ft. 36- and 48-in. vitr. clay or concrete storm sewers in various streets, Contr. 4. To exceed $25,000.

Mo., St. Joseph—Sept. 14, by Bd. Pub. Wks., 1,270 ft. 5, 7 and 9 ft. circular rein.-con. sewer pipe for Hyde Park Sewer Project. $30,000. W. K. Seitz, city engr. Noted Aug. 20.

Tex., San Antonio—Sept. 15, by I. Ewig, city engr., 30 in. concrete storm sewer in North Olive St. and 24 in. vitr. pipe line in Mason St., etc., for city. $25,000.

Tex., Schulenburg — Taking bids sanitary sewerage system and disposal plant. $45,000. Appliance Co., Inc., 308 Hughes St., Houston, engrs. Noted Aug. 20.

Okla., Holdenville—Sept. 15, by J. Kirk, city clk., 2 outfall sewers, 7,400 ft. 12 and 15 in. vitr. clay pipe, and 2 new sewage disposal plants, incl. Imhoff tanks, sprinkling filters, etc. $93,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted April 16.

Calif., Los Angeles — Sept. 21, by City Council, 137,750 ft. 8- to 18-in. vitr. clay or concrete sewers in various streets. $200,000. P. E. Kressley, 722 H. W. Hellman Bldg., engr.

Calif., San Francisco — Sept. 16, by Bd. Pub. Wks., two 6-in. vertical, centrifugal pumps and motors for sewage pumping plant, Great Highway and Vincente St.

BIDS RECEIVED

Mass., Boston—Dept. Pub. Wks., sewerage works in Summer Brook, Hyde Park, from J. J. Conway, 19 Beethoven St., Roxbury, $22,706. Engrs. est. $25,000.

N. Y., New York — See "Streets and Roads."

Md., Baltimore — Bd. Awards, Sept. 2, storm drains and sanitary sewers listed in Sewer Contr. J-8 and 38, and in Storm Water Contr. 88, from Adams & Marino Co., 216 St. Paul St., $12,987. Noted Aug. 27.

Md., Catonsville (br. of Baltimore) — Comrs. Baltimore Co. Courthouse, Towson, sewers and appurtenances listed in Proposal 5-S, 32,520 lin.ft. 6 in. terra cotta pipe, 19,010 lin.ft. 6 in. house connections, from Carrozza-Rowe Co., 624 North Gilmor St., Baltimore, $144,983. Noted Aug. 20.

O., Cleveland—Sewers in East Blvd. from D. M. Zullo, 706 The Arcade, $29,249; Big Creek Intercepting Sewer, 3,758 ft. 5 ft. brick pipe, from Donnelly-Miller Co., 1251 East 84th St., $107,160. Noted Aug. 20.

Mich., Detroit — Comr. Pub. Wks., Aug. 31, 2,399 lin.ft. Connors Creek Sewerage System, Outlet Sect., from G. R. Cooke Co., 1260 Penobscot Bldg., $814,969. Noted Aug. 20.

Wis., Milwaukee—J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., rein.-con. and brick testing and control station, also track hopper and acidification control house, from Tallmadge Constr. Co., 214 Mason St., $28,600 and $10,800 respectively.

Tex., Dallas — White rock intercepting sewers, etc. in various streets. from Dellone Constr. Co., 404 Magnolia Bldg., Dallas, $117,561. Engrs. est. $125,000.

Tex., Houston—Sanitary sewers in Smith St. from Washington Ave. to Capitol Ave., and Capitol Ave. from Smith to Louisiana Sts., from C. K. Horton, 2202 Clay St., $27 345.

Calif., Los Angeles—Constructing 52,074 ft. 8 in. concrete and vitr. clay sewer in M St. from L. Vuksich, 1623 Pennsylvania St., $25,400; 3,753 ft. 21 in. concrete or rein.-con. outfall sewer in La Cienaga and San Vicente Blvds., from C. E. Green, 418 Western Mutual Bldg., $8,930; sewer in 63rd St., from J. Artukovich, 614 North Bunker Hill Ave $30,300.

CONTRACTS AWARDED

Conn., Hamden (br. of New Haven)—For 11,000 ft. 8 in. tile sewer in Highwood St., to J. E. Driscoll, 499 Prospect St., Torrington, $22,999. Engrs. est. $25,000. Noted Aug. 13.

N. Y., Brooklyn — J. A. Guider, Boro pres., Boro Hall, sewers in 60th St., to C. F. Vacharas, 645 40th St., $1,368,712; in Rockaway Parkway, to Tomassetti & Co., Inc 1133 60th St., 0.6845% of engrs. est. ($25,446); in Elmore Pl. and East 77th St., to R. Iovino, 0.725% of engrs. est. ($4,193) and 0.7404% of engrs. est. ($1,572) respectively. Noted Sept. 3.

O., Cincinnati—For 2,420 ft. 12- to 22-in. vitr. clay, and 930 ft. 33 and 51 in. brick sewer in Lower River Rd., to J. B. McLane & Co., 337 York St., Newport, Ky. $34,141. Engrs. est. $36,450. Noted July 23

O., Cleveland—To Hadded-Kariel Constr. Co., 415 Eagle Ave., 1,150 ft. 12 in. vitr. sewer in Kinkelaar Ave. $2,671, 1,565 ft. in Mohican Ave. $3,711, 2,405 ft. in West 145th St. $5,164, and 1,375 ft. in West 146th St., $3,422; to Langahan Constr. Co., Marshall Bldg., 645 ft. 15 in. vitr. sewer in Albers Ave., $3,293; to Yahya Brcs., 3196 West 25th St., sewers in West 168th St., $2,877; to W. B. Smith, 706 The Arcade, $1230 ft. 12 in. vitr. tile sewer in Lella Ave. $3,941, also 2,500 ft. 12 in. lateral sewer at Cleveland Airport, $4,914; to Donnelly-Miller Co., 1251 East 84th St., 24,000 ft. 4 in. french drain at Cleveland Airport, $8,520. Grand total $38,513. Aug. 20.

Mich., Kingsford (mail Iron Mountain)—C. W. Seiler, village mgr., 11,578 lin.ft. 15- to 42-in. sewer in various streets to Phelps-Drake Co., Iron Mountain, $104,000; 11,461 lin.ft. 10- to 48-in. sewer in various streets, to Delta Contg. Co., Escanaba, Mich., $136,000. Noted Aug. 27.

Ill., Chicago—North Side Sewage Treatment Wks., 910 South Michigan Ave., operating galleries, to Tully & Costello, 30 North La Salle St., $316,090.

Wis., Cudahy—C. H. Wolbert, city clk., 960 ft. 60 in. concrete sewer outlet in Allerton Ave., to E. M. Gillet, 673 25th St., Milwaukee, $26,304. Noted Aug. 27.

Kan., Lakin—Sewers in various streets, to C. L. Burt, Hutchinson, $30,381. Noted Aug. 13.

Mont., Sidney—See "Waterworks."

Ark., McGehee — City, sewerage system and disposal plant in Sewer Impvt. Dist. 1, to G. E. Wycoff, Hall Bldg., Little Rock. Engrs. est. $135,000. Noted Feb. 19.

Tex., Harlingen — For 4 mi. sanitary sewers and 7,307 ft. storm sewers in various streets, to Kirkwood, Wharton & Lee, Main Ave., San Antonio, $31,140. Noted Aug. 27.

Okla., Elk City — City, waterworks and sewer improvements, incl. earth dam, concrete spillway, intake, filtration and pumping plant, elevated tank, sewage disposal plant, etc., to Standard Paving Co., 1742 East 6th St., Tulsa, $290,088. Noted Aug. 20.

Wash., Seattle — Bd. Pub. Wks., sewers in 61st Ave. S. et al., to Scalzo & Co., 1708 22nd St., $100,322. Engrs. est. $109,000. Noted Sept. 3.

Waste Disposal

CONTRACTS AWARDED

Miss., Clarksdale — Garbage incinerator, 10-15 tons per 12-hr. day, to Odorless Crematory Co., Macon, Ga., approximately $16,000. Noted July 23.

Bridges

PROPOSED WORK

Ala., Mobile—Making plans 4 span 4,000 ft. steel bridge. $2,000,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Miss., Pascagoula—Jackson Co. takes bids about January or February, rein.-con. and steel bridges over Pascagoula River, here, over Dog Creek at Moss Point, and over Escatawpa River, on Old Spanish Trail. $325,000. F. Taylor, co. clk. Noted July 9.

La., Boyce—Rapides Parish (Alexandria) election Sept. 22, $160,000 bonds, for concrete and steel bridge over Red River, here, and $25,000 bonds for retiring existing road bonds.

O., Cincinnati—See "Streets and Roads."

O., Kenmore—Plans viaduct over railroad tracks at Stop 96, on Akron-Barberton Interurban line. $50,000. D. P. Dowling, city engr.

O., Youngstown—Soon takes bids Emma St. bridge. $450,000. H. C. Turner, Youngstown, engr.

Kan., Clay Center — Clay Co. making preliminary plans two 35 ft. and one 45 ft. deck girder span, 110 ft. steel span, and 90 ft. steel span bridges, also grading 4.035 mi. on Federal Aid Project 277. H. L. Stevens, Clay Center, co. engr. Eidmann & Marshall, Smith Bldg. No. 6, Topeka, consult. engrs.

Missouri — State Hy. Comn., Jefferson City, plans two 8 ft. rein.-con. slab spans, etc. at Sta. 926 plus 00, also two 10 ft. rein.-con. slab spans on Sta. 1080 plus 10, both over stream and two 10 ft. rein.-con. slabs, etc. on Sta. 1338 plus 85, all on St. Louis-Springfield Rd., Franklin Co. B. H. Piepmeier, Jefferson City, ch. engr.

Tex., San Antonio — Making preliminary plans 1 span, rein.-con. bridge at Grant Ave., $35,000, 1 span rein.-con. bridge at 4th St., $35,000, and rein.-con. bridge with concrete balustrades at Market St., $30,000, all over San Antonio River. I. Ewig, city engr.

Okla., Yonkers—State Hy. Dept., Oklahoma City, making preliminary plans 3

Bridges (Continued)

span, 240 ft. steel truss bridge on concrete piers, Wagoner Co., here. $50,000. J. M. Page, highway engr.

BIDS DESIRED

Connecticut—Sept. 14, by State Hy. Dept., Hartford, 24 ft. span concrete bridge over Oyster River, on Ocean Ave., in Milford; 24 span concrete girder bridge over Cove Creek, on Ocean Ave. in West Haven. $50,000. A. W. Bushell, 106 Elm St., New Haven, div. engr.

Pa., Croydon (Bridgewater P. O.)—Sept. 28, by Comrs. Bucks Co., at Doylestown, rein.-con. bridge over Neshaminy Creek, between Bristol and Bensalem Twps., here. J. S. Roberts, Jr., Bristol, co. engr.; adv. E. N.-R. Sept. 10.

W. Va., Charleston—Oct. 8, by H. C. Walker, city mgr., 3 span 390 ft. steel and concrete bridge across Elk River, here. $145,000. L. L. Jemison, Charleston, engr.

South Carolina—See "Streets and Roads."

Kan., Ford—Sept. 29, by Clerk Ford Co., Dodge City, 7 span 92.5 ft. steel bridge, 3,160 ft. wooden piling, etc., 1 mi. from here. Dodd & Finney, 216 West 6th St., Topeka, engrs.

Kan., Hutchinson—Sept. 15, by Clerk Reno Co., 10 span 45 ft. deck girder bridge with 20 to 24 ft. roadway, 9,590 ft. wooden piling, etc. 3 mi. from here. W. A. Stacey, Hutchinson, co. engr.

Oklahoma—See "Streets and Roads."

Okla., Clinton—Sept. 15, by State Hy. Dept., Oklahoma City, 4 span 320 ft. steel truss bridge on concrete piers, 6,900 ft. wooden piling, 16.1 ton. reinforcing, etc., Custer Co., here. J. M. Page, highway engr. Noted March 12.

BIDS RECEIVED

Vermont—Dept. Highways, State House, Montpelier, two rein.-con. bridges and approaches on highway in Johnson, from Atwood-Thomas Constr. Co., St. Albans, $18,-345; rein.-con. bridge and approaches in Walcott, from Rowe Constr. Co., Woodsville, N. H. $8,512, in Royalton, from H. F. Knight, South Royalton, Mass. $12,221; and in Northfield, from J. E. Cashman, Burlington, $29,910.

N. J., Elizabeth—Union Co., 6 bridges at Roselle Park, Springfield and Summit, from M. De Fabio & Bro., Elizabeth, $26,665.

Missouri—State Hy. Dept., Jefferson City, Aug. 28, from Cook & Waddell, Ottawa, Kan., eight 20 ft. rein.-con. slab spans, etc. over overflow of Chariton River $11,261, from R. M. Davies & Sons, Slater, three 20 ft. rein.-con. slab spans, etc. over Puzzle Creek $4,894; from Western Bridge Co., Harrisonville, one 125 ft. steel truss span, etc. over Chariton River $15,002, from C. P. O'Reilly & Co., 3022a North Newstead St., St. Louis, one 120 ft. steel truss span, etc., over Chariton River D. D., $30,954, all foregoing in Chariton Co., two 8 ft., rein.-con. slab spans, etc. over stream $2,051, four 10 ft. rein.-con. slab spans, etc. over stream $4,511 both in Franklin Co.; from Federal Bridge Co., 1002 B. T. Bldg., Des Moines, Ia., one 146 ft. steel truss span, etc. over Bourbouse River, Franklin Co., $37,004; from W. P. McGeorge & Co., 1719 Cherry St., Pine Bluff, Ark., three 20 ft. rein.-con. slab spans, etc. over overflow of Louter River $5,209, and one 100 ft. steel truss span, etc. over Louter River $22,397, from W. D. Lonegram Constr. Co., New Madrid, five 20 ft. rein.-con. slab spans, etc., over Louter River, $6,492, all foregoing in Montgomery Co.; three 16 ft. rein.-con. slab spans, etc. over stream $2,-571; from Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., one 45 ft., one 40 ft. and one 25 ft. rein.-con. deck girder spans, etc. over Muddy Creek, Buchanan Co., $7,679; from Des Moines Steel Co., 421 Southwest 4th St., Des Moines, Ia., two 10 ft. rein.-con. slab spans, etc. over stream $31,451, from Davis Constr. Co., Boonville, two 10 ft. rein.-con. slab spans, etc. over stream $3,-253; from Stevens Bros., St. Paul, Minn., two 10 ft. rein.-con. slab spans, etc. over stream $3,756, all foregoing in Calloway Co., and one 40 ft. rein.-con. deck girder span, etc., over Little Cedar Creek, $7,622; from Pickus Eng. & Constr. Co., St. Louis, two 12 ft., three 16 ft. and two 18 ft. rein.-con. slab spans, etc. over stream $9,757, three 24 ft. rein.-con. slab spans, etc. over Horning Branch $5,083, and same over Grindstone Creek, $4,701, and one 145 ft. rein.-con. deck girder span, etc. over Hinkson Creek, $9,949, all in Boone Co.; from Mantz & Oren, Effingham, Ill., four 20 ft. rein.-con. slab spans, etc. over overflow of Blue Creek $5,361, one 60 ft. steel truss and three 20 ft. rein.-con. slab spans, etc. over Bear Creek $9,742, one 80 ft. steel truss span, etc. over Clear Fork Creek $11,-719, and one 30 ft. rein.-con. slab span, etc. over stream, $4,411, all in Johnson Co.; from O. H. Schmidt, St. Joseph, five 20 ft. rein.-con. slab spans, etc. over overflow of Third Creek, Buchanan Co. $10,032, and one 30 ft. rein.-con. deck girder span, etc. over Atchison, Topeka & Santa Fe R.R. tracks, Clinton Co., $7,704; from Birmingham & Jones, St. Joseph, three 14 ft. and three 20 ft. rein.-con. slab spans, etc. over stream, Franklin Co., $7,059; from E. J. Wells, Oklahoma City, Okla., three 16 ft. rein.-con. slab spans, etc. over stream, $4,767; from Cameron Joyce & Co., Keokuk, Ia., one 80 ft. steel truss span, etc. over Little Blue River, Jackson Co., $23,536; from Zeigler Bros., Junction City, Kan., one 25 and four 20 ft. rein.-con. slab spans, etc. over Atchison, Topeka & Santa Fe R.R. tracks, Ray Co., $8,013; from Cloque & Strohl, Bowling Green, O., three 45 ft. I-beam spans, etc. over Big Lake D. D., Mississippi Co., $5,-601, and from M. E. Gillioz, Monett, one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc. under Blue River Blvd., Jackson Co., $12,924. Noted Aug. 20.

Texas—See "Streets and Roads."

Tex., Anson—See "Streets and Roads."

Calif., Los Angeles—Bd. Pub. Wks., Aug. 26, rein.-con. Bridge over Anaheim Blvd., from North Pacific Constr. Co., 723 Detwiler Bldg. $320,441. Engrs. est. $400,000. Noted Aug. 7.

CONTRACTS AWARDED

Massachusetts—See "Streets and Roads."

Mass., Dorchester (Boston P. O.)—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, 88 ft. concrete and steel highway bridge, 54 ft., on Mt. Vernon St., here, to Coleman Bros., 245 State St., Boston, $117,925. Noted Sept. 3.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, **(F.A.P. means Federal Aid Project, and S.A.P. means State Aid Project)**, to W. C. Baird & Co., Nichol Bldg., Nashville, fifty-one 26 ft. and one 100 ft. steel span bridge and approaches over south fork of Forked Deer River, F.A.P. 39, Dyer and Lauderdale Counties $127,646, 3 bridges over 20 ft. span, F.A.P. 51-C, Madison Co. $31,063, six 24 ft. and one 40 ft. span concrete overhead bridge over Louisville & Nashville R.R. tracks near Ridley, F.A. P. 34-C, Maury Co. $32,450, 4 bridges over 20 ft. span and 1 overhead structure, F.A.P. 34-B, Maury Co. $55,170; to Novaculite Constr. Co., Marion, Ill., bridge over 20 ft. span, S.A.P. 303, Dyer Co., $31,254; to Mautz & Oren, Effingham, 2 bridges over 20 ft. span, F.A.P. 302, Dyer Co., $36,033; to Byrd Bros., Binghamton, concrete underpass under Tennessee Central R.R. tracks, F.A.P. 31-B, Montgomery Co., $4,985. Grand total $318,601.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., approaches for bascule bridge over Main Drainage Channel at California Ave., to L. B. Fugitt, Room 1230, 608 South Dearborn St., $100,-654. Noted July 31.

Wisconsin—State Hy. Dept., Madison, to Minneapolis Bridge Co., 924 Metropolitan Life Bldg., Minneapolis, Minn., constructing Radke Bridge, on Federal Aid Project 416-A, Crawford Co., 456 cu.yd. Class "A" concrete at $26 per cu.yd., 800 bbls. cement handling $0.25, 9,000 lin.ft. each piling delivered and driving at $0.50, 272,110 lb. structural steel, etc. $0.06, total $39,143.

Wis., Racine—H. A. Nelson, comr. Pub. Wks. Dept. 180 to 190 ft. steel bridge, 48 ft., at Mead St., to E. E. Gillen Co., 288 East Water St., Milwaukee, $55,000. Noted Sept. 3.

Ia., Tama—Toledo Co., 1 I-beam extension, 3 I-beam bridges, headwalls for 9 pipe culverts and 1 abutment with 60 ft. pony truss bridge, to Perry Constr. Co., Perry, $19,928; 12 concrete box culverts, and extensions, to F. Wolfe, Toledo, $6,171.

Tex., Anson—See "Streets and Roads."

Tex., Boston—See "Streets and Roads."

Dams

BIDS DESIRED

Ill., Staunton—See "Waterworks."

CONTRACTS AWARDED

Tex., Jayton—See "Waterworks."

Tex., Mingus—Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., 1003 T. & P. Bldg., earth dam with rein.-con. spillway across Gibson Creek, 316 m.g. capacity, to B. F. Brooks Constr. Co., 327 Slaughter Bldg., Dallas, about $40,000.

Railways

PROPOSED WORK

Florida—City of St. Petersburg election Sept. 8, $92,000 bonds extending street car tracks, and $193,000 bonds for car barns in St. Petersburg. S. S. Martin, dir. Finance.

Alabama—St. Louis—San Francisco Ry Frisco Bldg., St. Louis, Mo., making preliminary plans 135-150 mi. line to connect Muscle Shoals, Birmingham & Pensacola R.R. at Kimbrough, with Memphis-Birmingham division of St. Louis-San Francisco Ry., here. F. G. Jonah, St. Louis, ch. engr.

California—City of Eureka plans election $100,000 bonds, for street railway improvements.

CONTRACTS AWARDED

Massachusetts—Transit Dept., 1 Beacon St., Boston, constructing Sect. 1. Dorchester Rapid Transit Road bed, etc., to M. F. Gaddis, 2 A Victoria St., Dorchester, $536,-380. Noted Sept. 3.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Tenn., Clarksville—Plans rebuilding 20 acre lake, constructing swimming pool, etc. $30,000. W. L. Haynes, Clarksville, engr.

Texas—Potter Co. (Amarillo) and Oldham Co. (Vega) making surveys determining how many thousand acres may be made subject to irrigation, and plans also to establish canal levees to connect with reservoir established along Canadian River. $2,000,000. A. E. McGregor, Amarillo, engr.

Calif., Carmichael — Carmichael Irrigation, plans election in October. $30,000 bonds, pumping station and distribution system.

BIDS RECEIVED

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., Sept. 3, improving Calumet and Little Calumet Rivers from The Forks to Calumet Sag Channel, 1,000,-000 cu.yd. excav., etc., from Great Lakes Dredge & Dock Co., 104 South Michigan Ave., at $1.08 per cu.yd. Noted July 9.

CONTRACTS AWARDED

Ore., Scappoose—Barr & Cunningham, engrs., Spalding Bldg., Portland, draining 6,000 acres, incl. 105 acres clearing, 106,-000 cu.yd. ditch and 740 cu.yd. concrete, here, to Parker, Schram Co., Couch Bldg., Portland, for Scappoose D. D. $188,339.

Streets and Roads

PROPOSED WORK

Mass., Boston—Plans widening and reconstructing Faneuil Hall Sq., $25,000; and asphalt or bitulithic paving Cooper, Margaret and Sheafe Sts., to exceed $25,000. J. F. Sullivan, secy. Street Laying-out Dept.

Mass., Charlestown (Boston P. O.)—City Planning Bd., Boston, plans reconstructing and enlarging Sullivan Sq. (junction of Rutherford Ave., Main, Alford and Cambridge Sts.), here. $30,000-$36,000. F. H. Fay, chn.

R. I., East Providence (Providence P. O.)—Town Council plans reconstructing Park Dr. and Fenmore St. $25,000. W. E. Smyth, clk.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, rejected bids Aug. 12, asphalt paving, grading, curbing and flagging, etc. East 31st St. Noted Aug. 20.

Pa., Bristol—Making plans concrete reconstructing Otter, Mill and Radcliffe Sts. $107,000. State and Bucks Co. appropriate toward cost. J. S. Roberts, Jr., Bristol, engr.

Pa., Overbrook (Phila., P. O.)—Boro, c/o P. J. Ettinger, secy. making plans grading, curbing and concrete paving, etc. Westport Ave. $25,000. T. J. McGovern, St. Clair Bldg., Knoxville, engr.

West Virginia—State Hy. Comn., Charleston, rejected bids Aug. 24, paving 1.5 mi. Country Club-Poco Rd., Project 3246, Putnam Co. H. J. Spelman, R. & P. Bldg., Huntington, engr. Noted Aug. 6.

N. C., Belhaven—Plans paving 2 mi. various streets to connect with roads leading to Leechville and Pantego. $60,000.

N. C., Kenansville—Duplin Co. plans to sell $520,000 bonds Sept. 21, constructing various roads.

Streets and Roads (Continued)

Miss., McComb — Making preliminary plans grading and gravel surfacing 15 mi. Walker Bridge Rd., 18 ft.

Miss., Natchez—Soon takes bids brick, asphalt or concrete surfacing, sanitary and storm sewers, etc., 10 mi. various streets. $500,000. M. L. Culley, Jackson, consult. engr. Noted June 18.

Miss., Ocean Springs — Election Oct. 3, $75,000 bonds, for waterworks.

Louisiana—State Hy. Comn., Baton Rouge, making plans rebuilding model road from Greenwood to Arkansas state line. Federal Aid to appropriate $100,000 toward cost. W. B. Roberts, highway engr.

La., Lake Providence — East Carroll Parish voted $300,000 bonds, grading and hardsurfacing various roads.

O., Canton—Plans asphalt paving Harrison Ave. N.W. $60,000-$65,000, and 8th St. N.W., $50,000; improving Harriet Ave. N. W., $40,000. W. E. Sarver, Canton, engr.

O., Canton—Stark Co., plans improving 0.5 mi. Raff Rd., 16 ft. $25,000. A. M. Wise, Court House, engr.

O., Cincinnati—Plans improving Central Ave., 2,300 sq.yd. granite block, 500 cu.yd. concrete, 900 lin.ft. granite curbing, and 500 lin.ft. cement sidewalks. $33,558. F. Krug, City Hall, engr.

O., Cincinnati—Hamilton Co. plans grading, bridging and concrete paving, etc. 67,-469 sq.yd. Ohio River Rd. $375,000. E. A. Gast, Court House, engr.

O., Cleveland—Election Nov. 3, $2,000,-000 bonds, paving various streets. R. Hoffman, City Hall, engr.

O., Cuyahoga Falls—Plans widening and resurfacing Front St., 40 ft. $60,000.

O., Lakewood (Cleveland P. O.)—Election Nov. 3, $158,000 bonds, paving various streets. E. A. Fisher, City Hall, engr.

O., Youngstown — Plans widening West Federal St. from Holmes to Belmont Sts., $150,000; Market St. from Wayne Ave. to Southern Blvd., $2,100,000; Himrod Ave. from Forest to Stafford Sts., $290,000; and Watt St. from Front St. to Erie R.R. tracks, $1,000,000. H. C. Turner, Youngstown, engr.

Ind., Anderson — Madison Co. plans concrete paving 12,320 sq.yd. Doyle Rd., $26,-200; grading and graveling 1.9 mi. County Rd., $27,000, both 30 ft. A. H. Doyle, Anderson, engr.

Ind., Evansville—Vanderburgh Co. plans concrete paving 26,400 sq.yd. Wolf Rd., 18 ft. $70,000. R. Meissinger, Evansville, engr.

Ind., Evansville—Vanderburgh Co., plans concrete paving 14,784 sq.yd. Maxwell Ave., 18 ft. $36,571. R. Meisinger, Evansville, engr.

Ind., Danville—Hendricks Co., plans grading and graveling 2.2 mi. Wilson Rd., 26 ft. $25,400. G. R. Harvey, Danville, engr.

Mich., Detroit—Plans 3½ in. sheet asphalt on 8 in. concrete paving 3,290 sq.yd. Harper St., 60 ft., $14,450; 17,300 sq.yd. Six Mile Rd., 54 ft., $76,180; 22,000 sq.yd. Meyers Rd. $96,800, 12,400 sq.yd. Monnier Rd. $59,-200, 8,150 sq.yd. Ferndale St. $35,800, all 46 ft.; 4,070 sq.yd. 14th St. $17,860, 1,890 sq.yd. Furlburt St. $9,480, 1,630 sq.yd. Lawton St. $8,160, 2,580 sq.yd. Hazelridge St. $11,340 3,820 sq.yd. Byron St. $16,880, 23,995 sq.yd. Washburn St. $17,600, 2,860 sq.yd. Monte Vista St. $12,600, 2,460 sq.yd. Washburn St. $10,830, 8,375 sq.yd. Mark Twain St. $36,830, 7,800 sq.yd. Strathmoor St. $34,310, all 30 ft.; 2,830 sq.yd. Medina St. $12,450, 10,100 sq.yd. Sylvester St. $44,-320, 570 sq.yd. Trowbridge St. $2,860, 22,-000 sq.yd. Meyers Rd. $96,800, 3,215 sq.yd. Gaely St. $14,380, 7,940 sq.yd. Prairie St. $34,900, 13,350 sq.yd. Fortune St. $58,950, 5,250 sq.yd. Cecil St. $23,100, 2,415 sq.yd. Doyle St. $10,620, 4,400 sq.yd. Collingwood St. $19,350, 4,420 sq.yd. Duane St. $19,440, 8,200 sq.yd. Freeland St. $36,120 and 8,680 sq.ft. Ardmore St. $38,220, all 28 ft. P. A. Fellows, City Hall, engr.

Ill., Fairbury—Making preliminary plans grading, curbing and hardsurfacing various streets. $35,000. Taylor & Woltman, Unity Bldg., Bloomington, engrs.

Ill., Rockford — Plans grading, curbing and concrete or Warrenite surfacing 9 blocks 7th St., 49 ft. $69,500. B. C. Harvey, City Hall, engr.

Wis., New London—C. J. Thompson, city clk., plans concrete paving 8,935 sq.yd. Mill St. $25,000-$30,000.

Ia., Essex — Making preliminary plans grading, curbing and hardsurfacing 11 blocks various streets.

Minn., Fergus Falls—H. J. Collins, city clk., plans paving approximately 10 blocks various streets. $50,000.

Kan., Alma—Wabaunsee Co. takes bids in October, grading, etc. 15.5 mi. Dover Rd., 28 ft. F. Itz, Court House, engr. Noted Aug. 27.

Kan., Atchison—Atchison Co. making preliminary plans grading, etc. 11 mi. road from Muscotah east to Parallel White Way and from here north to county line. R. Coleman, Atchison Co. engr. Kansas Eng. Co., 1233 Western St., Topeka, consult. engrs.

Kan., Clay Center—See Bridges.

Kan., Dodge City — Making preliminary plans grading, curbing, and concrete paving 14 blocks various streets.

Kan., Dodge City—Ford Co. making preliminary plans grading, bridging, etc. 20 mi. Federal Aid Rd., 28 ft. Kansas Eng. Co., 1233 Western St., Topeka, engrs. J. W. Thornburgh, Dodge City, co. engr.

Kan., Olathe—Johnson Co. making preliminary plans grading and brick or concrete surfacing 6.577 mi. Ft. Scott Short Line Rd., Federal Aid Project 246-C, and 5.157 mi. Midland Trail, Federal Aid Project 315-A, both 18 ft. E. J. Terrill, Court House, engr.

Kan., Salina — Salina Co. making preliminary plans grading and sand clay surfacing 12.137 mi. Sects. A and B County Project 4, 18 ft. W. H. Cost, Court House, Salina, engrs.

Neb., Fort Calhoun — W. W. McMillan, city clk., making preliminary plans grading, curbing, concrete, brick, asphalt or asphaltic concrete paving, etc. 15,000 sq.yd. various streets. Nixon & Reynolds, 305 Grain Exch. Bldg., Omaha, engrs.

Missouri—State Hy. Comn., Jefferson City, making plans 18 ft. grading 8.7 mi. Butler-Appleton City Rd., Federal Aid Project 260-A, Bates Co.; also 9 and 18 ft. concrete paving 4 mi. Charleston-Scott Co. line Rd., Mississippi Co. B. H. Piepmeier, Jefferson City, ch. engr.

Mo., Maryville—Soon takes bids grading, curbing and rein.-con. paving 6 blocks North and Walnut Sts. $25,000. E. T. Archer & Co., 609 New Enginad Bldg., Kansas City, engrs.

Mo., St. Louis—Bd. Pub. Serv. plans Warrenite-bitulithic on concrete paving Beck Ave. between Missouri Pacific R.R. tracks and Morganford Rd., $16,800; asphalt on concrete paving Harney Ave. between Thrush St. and Kingshighway, $35,100, and Magnolia Ave. between Kingshighway and Hereford St., $23,500; Warrenite on concrete paving Thekla St. between Emerson and Thrush Sts., $25,650; asphaltic concrete paving Lucille St. between Minnika and city limits $18,700 and Sexauer St. between Carter St. and Kingshighway N. W., $7,100; brick on concrete paving Scott Ave. between Taylor and point 245 ft. west of Euclid Ave., $20,000. W. W. Horner, 300 City Hall, engr.

Mo., Springfield — Making preliminary plans grading, concrete paving, etc. 9,500 sq.yd. West Monroe St. and Main Ave.

Ark., Malvern—Making preliminary plans grading, curbing, and hardsurfacing Main St. $40,000.

Tex., Dallas—Making plans widening Eakin St. from Harwood to Chestnut St. $45,000. E. A. Kingsley, City Hall, engr.

Tex., Eastland—Voted $100,000 bonds, improving business streets. Address Mayor. Noted Aug. 6.

Tex., La Pryor — Zavalla Co., making plans hard paving 13 mi. highway between La Pryor and County line. $160,000. W. F. Hutson, c/o City Hall, San Antonio, div. engr.

Tex., Mexia—Making plans brick, concrete or asphalt paving 30 to 40 various streets, 40 and 60 ft. $150,000 or more. R. D. Morgan, Mexia, engr. Noted Aug. 27.

Tex., Nacagdoches — Making plans brick on iron ore gravel paving section North St. $25,000. L. Acker, Nacagdoches, engr.

Tex., Seguin—Guadalupe Co., making preliminary plans gravel surfacing 16 mi. Seguin-Kingsbury-Luling Rd., 18 ft. $75,-000. H. Canfield, Seguin, engr.

Tex., Tulia—Making plans paving 10 blocks various streets. $25,000. B. B. Huckabee, city mgr. Engineer not selected.

Tex., Uvalde — Grading and Uvalde rock asphalt paving 7 blocks various streets, to Neyland & Smith, c/o Buildings Exch. Bldg., San Antonio, $75,000. Engrs. est. approximately $75,000. Noted Aug. 20.

Tex., Wichita Falls—Willite on concrete paving 6 blocks Indian and Oak Mill Sts., to Plains Paving Co., Staley Bldg., approximately $39,000.

Okla., Billings—Making preliminary plans grading and concrete surfacing 7,800 sq.yd. Main St. $25,000. F. F. Daniels, city clk. Engineer not selected.

Okla., Covington—Plans grading, curbing and concrete paving 9,600 sq.yd. 4th and 5th Sts. $31,000. C. A. Wood, Stillwater, engr.

Okla., Fairview—Defeated $39,000 bonds, paving Main St. and Bway. Project abandoned. Noted Aug. 20.

Okla., Garber—Making preliminary plans grading and concrete surfacing 6,500 sq.yd. Ponca, Cherokee and 5th Sts. $25,000. G. L. Matteson, city clk. Engineer not selected.

Okla., Guthrie — Plans grading, curbing and concrete surfacing 21,250 sq.yd. Grant, Perkins, Broad and Vilas Sts., 24 ft. $73,-000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hobart — City Clerk takes bids about Sept. 25, grading, curbing, and hardsurfacing 59,700 sq.yd. Paving Dist. 3. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 3.

Okla., Okemah — Plans grading, curbing and concrete surfacing 40,000 sq.yd. Columbia, Erie, Frisco and 8th Sts. $126,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt surfacing 5,500 sq.yd. Stonewall Ave. $26,000. B. M. Hart, City Hall, engr.

Okla., Pawhuska — Plans grading and sheet asphalt surfacing 7,450 sq.yd. Country Club streets and drives. $35,000.

Okla., Woodward — Making preliminary plans grading and sheet asphalt surfacing 7,500 sq.yd. Woods and Perkins Aves. $35,000. A. Alexander, city clk. Engineer not selected.

Calif., Alhambra—Takes bids about Oct. 1, 9 in. asphaltic concrete on 7 or 8 in. concrete paving 2½ mi. Mission Rd. and Valley Blvd. To exceed $25,000. O. M. Rugen, Alhambra, engr.

Calif., Los Angeles—Plans election $1,-250,000 bonds, street and sewer work.

Calif., San Rafael—Marin Co. election Sept. 26, $1,250,000 bonds, improving 22.8 mi. various roads. J. G. Oglesby, co. surv.

Calif., Santa Cruz—Santa Cruz Co. plans paving East Cliff Dr. connecting with Capitola. $100,000. M. K. Bowman, co. surv.

BIDS DESIRED

Maine — Sept. 16, by State Hy. Comn., Augusta, concrete and bituminous macadam surfacing 1.13 mi. Sect. "A" Kittery and 1.42 mi. Sect. "A" York also 4.97 mi. Sects. "L" Frankfort-Winterport and "L" Winterport Rds.; gravel surfacing 3.68 mi. Sect. "J" Greenville, 5.02 mi. Sect. "J" and "K" Milo-Orneville, 6.33 mi. Sect. "K" Caribou, 4.66 mi. Sect. "K-Spur," Fort Fairfield, 5.78 mi. Sect. "O" Peru, and 4.92 mi. Sect. "Y" Bucksport Rds. P. D. Sargent, ch. engr.

New York—Sept. 25, by A. W. Brant, comr. Highways, 55 Lancaster St., Albany, for constructing and reconstructing highways in various counties; adv. E. N.-R. Sept. 10.

N. Y., Creedmoor (mail Floral Park)—Sept. 18, by State Hospital Comn., Albany, grading, paving, laying walks, etc., at Brooklyn State Hospital, here. L. M. Farrington, secy.; adv. E. N.-R. Sept. 10.

N. J., Burlington — Sept. 15, by City Council, improving East Pearl and West Federal Sts., 4,470 sq.yd. concrete paving, 70 yd. plain concrete, 350 lin.ft. concrete curbing, 180 lin.ft., radius concrete curbing, 2,800 sq.yd. granite block paving in trolley tracks. $45,000. B. A. Sleeper, Burlington, engr.

N. J., Trenton—Sept. 17, by Ewing Twp. Com., A. M. Lanning, clk., Trenton, improving Homecrest Ave., 950 cu.yd. earth excav., 2,630 sq.yd. macadam paving 2,150 lin.ft. concrete curbing, 115 lin.ft. circular concrete curbing, 100 lin.ft. 4 in. vitr. pipe, in Ewing Twp. E. Storer, 1618 Riverside Dr., Trenton, engr.

Pa., Phila.—Sept. 17, by Dept. Pub. Wks., Bureau of Highways, surfacing Packer Ave. between Broad and 10th Sts., 7th and 10th Sts. between Johnston St. and Pattison Ave.

Maryland—Sept. 15, by State Rd. Comn., Baltimore, graveling 2 mi. Contr. P-49, Prince George Co. J. N. Mackall, chn.; adv. E. N.-R. Sept. 10.

Md., Baltimore—Sept. 19, by Bd. Awards, grading 24,000 cu.yd. streets in Contr. 300-OA. S. Purcell, City Hall, highways engr.

West Virginia—Sept. 29, by State Roads Comn., Charleston, grading and bituminous macadam or concrete paving 1½ mi. Country Club-Poca Rd., Project 3246, Putnam Co., $30,000; and concrete shoulders on 6 mi. Williamsport Pike, Project 2171 Berkeley Co., $75,000. B. E. Gray, Keyser, engr.

West Virginia—Sept. 29, by State Road Comn., Charleston, brick or concrete resur-

Streets and Roads (Continued)

facing 1 mi. North Main and 7th Sts., 24 ft., Project 2063, Ohio Co. $40,000. H. E. Snyder, Parkersburg, engr.

W. Va., Berkeley Springs — Sept. 26, by Morgan Co. Court, grading, etc. 4 mi. Long Hollow Rd., 16 ft., Projects 3343 and 3223. $75,000. B. E. Gray, Keyser, engr.

W. Va., Philippi—Sept. 15, by Barbour Co. Court, J. F. Hewitt, clk., grading, paving, etc. 1.5 mi. Ford Run Rd., Project 6, 0.6 mi. Morrall Rd., Project 6-A-B, 1.3 mi. River Rd., Project 7, 0.9 mi. River Rd., Project 11, and 1.7 mi. Brushy Fork Rd., Project 5, all in Philippi Dist. R. K. Johnson, co. engr. Noted Aug 20.

South Carolina—Sept. 15, by State Hy. Dept., 1626 Main St., Columbia, **(S.R. means State Route, S.P. State Project and F.A.P. Federal Aid Project)**, grading sheet asphalt, concrete or asphaltic concrete paving, etc. 3.46 mi. S.R. 21, F.A.P. 253-A Greenville Co., earth approaches to Dunham's bridge, S.R. 8, F.A.P. 231 Anderson and Greenville Counties and grading and concrete surfacing 0.965 mi. S.R. 21, F.A.P. 253-B, Greenville Co., E. D. Sloan, Greenville, engr. on above; sand clay surfacing, etc. 6.3 mi. S.R. 19, F.A.P. 258, Edgefield Co., State Highway Engineer, Columbia, engr.; sand clay surfacing and 3 timber bridges on 19.2 mi. S.R. 341, S.P. S.-501, A. B and C, Florence Co., J. M. Martin, Florence, engr.; rein.-con. bridge over Tidewater Creek on S.R. 8, F.A.P. 95-C, Beaufort Co., incl. 23,789 lbs. reinforcing, A. T. Brown, Scovill Bldg., Orangeburg, engr.

Fla., Orlando—Sept. 30, by J. A. Stinson, city clk., improving various streets, 69 mi. brick paving, 48 mi. 8 in., 6 mi. 12 in. and 3 mi. 15 in. sewers.

Fla., Tampa — Sept. 15, by City Comn., asphalt block paving 10,529 sq.ft. Impvts. 57, 58 and 59 $26,000, 9,136 sq.yd. Impvts. 54, 55 and 56 $25,000, 9,834 sq.yd. Impvt. 53 $25,000 13,815 sq.yd. Impvts. 60 and 61 $30,000, 12,058 sq.yd. Impvts. 21, 22, 23, 24, 25, 26, 41, and 45 $27,000, 10,566 sq.ft. Impvts. 51 and 52 $26,000, 10,648 sq.ft. Impvts. 6, 7, 8, 9, 1 and 16 $26,000, 9,000 sq.yd. Impvts. 2, 4 and $25,000; vitr. brick paving 19,607 sq.yd. Impvt. 64 $50,000, 10,937 sq.ft. Impvts. 62 and 63 $26,000, 13,545 sq.ft. Impvts. 13, 17, 18, 19, and 20 $30,000, 13,851 sq.yd. Impvt. 14 $30,000; 7,150 sq.yd. vitr. brick and 3,700 sq.yd. asphalt block paving Impvts. 11 and 12, $26,000; 5,500 sq.yd., vitr. brick and 4,605 sq.yd. filbertine paving Impvt. 3, $28,000; paving 58,000 sq.yd. Impvt. 1, $100,000. R. D. Martin, City Hall, engr.

Alabama—Oct. 14, by State Hy. Comn., Montgomery, grading and gravel surfacing 12.73 mi. Russellville-Lawrence Co. line Rd., 18 ft., Franklin Co. $72,000. R. C. Limerick, highway engr.

Ala., Birmingham — Oct. 15, by City Comn., grading and asphalt surfacing 5 blocks 39th and old 42nd St., 30 ft., $68,115; grading and chirt surfacing 4 blocks 52nd Pl., 9th Ave. and Georgia Rd 30 ft., $14,090; asphalt surfacing 1 block Bessemer Rd., 30 ft., $21,775, 2 blocks Ave. S. (Ensley), 30 ft., $17,375, and 6 blocks 19th St., 40 ft., $65,125. A. J. Hawkins, city engr. Noted July 30.

Miss., Amory—Sept. 14, by Mayor and Bd. Aldermen, improving various streets, 9,500 sq.yd. bituminous paving, 294,000 sq. ft. concrete sidewalks, 77,000 lin.ft. concrete curb and gutter. A. L. Dabney, 820 Columbia Tower, Memphis, Tenn., engr.

Miss., Louisville — Sept. 29, by Bd. Supervs. Winston Co., grading, gravel surfacing, etc. 14 mi. Federal Aid Project 74-B, 18 ft. $100,000. H. C. Dietzer, Jackson, engr.

Miss., Natchez—Sept. 22, by J. F. Jenkins, city clk., improving various streets, incl. 10,000 ft. curb and gutter, 25,000 sq.yd. resurfacing, 130,000 sq.yd. surfacing, 30,000 cu.yd. excav. 3 mi. storm and 5.1 mi. sanitary sewers, 2 centrifugal sewage pumps, etc. $500,000. M. L. Culley, Jackson, engr.

O., Columbus—Sept. 16, by Comrs. Franklin Co., grading and sheet asphalt paving, etc. 1703 ft. Dale Ave., $34,032; and 2,904 ft. Kellner Rd., $50,714, both 26 ft. in Truro Twp.

Wis., Milwaukee - Sept. 14, by Dept. Pub. Wks., R. Stoelting, comr., grading and concrete paving 23,293 sq.yd. various alleys. To exceed $25,000.

Kan., Oberlin—Oct. 2, by Clerk Decatur Co., grading, etc. 8.467 mi. Federal Aid Project 165 B, 28 ft. Kansas Eng. Co., 1233 Western Ave., Topeka, engr.

Nebraska—Sept. 16, by R. L. Cochran, highway engr., Capitol Bldg., Lincoln, **(F. A.P. means Federal Aid Project)**, gravel surfacing, etc. 157,000 sq.yd. Alliance Bridgeport Rd., F.A.P. 242-B Movill Co., 98,700 sq.yd. Beatrice-Fairbury Rd., F.A.P. 25, Gage Co., 90,500 sq.yd. Norfolk-Columbus Rd., F.A.P. 5 Platte Co., 41,100 sq.yd. Tekamah-Oakland Rd., F.A.P. 23 Burt Co., 81,100 sq.yd. Wahoo-David City Rd., F.A.P. 204-B Saunders Co., 75,000 sq.yd. Harvard-Eldorado Rd. F.A.P. 182 Clay Co., 106,500 sq.yd. Beatrice-Crab Orchard Rd., F.A.P. 122-A Gage Co., 214,500 sq.yd. Hebron-Fairbury, Rd., F.A.P. 118-A and B Thayer and Jefferson Counties, 168,000 sq.yd. Genoa-Albion Rd., F.A.P. 53 Boone Co., 265,650 sq.yd. Oakland-South Sioux City Rd., F.A.P. 49-A and C Dakota and Thurston counties; grading, etc. 88,500 cu.yd. Springview-Norden Rd., F.A.P. 267-A Keya Paha Co., 13,000 cu.yd. Alliance-Chadron Rd., F. A.P. 76-E, Dawes Co., 47,800 cu.yd. Hartington-Yankton Rd., F.A.P. 72-B, Cedar Co.; grading, gravel surfacing, etc. 50,000 sq.yd. Gretna-Melia Rd., 107-F Sarpy Co., 80,500 sq.yd. Harrisburg-Gering Rd., F.A.P. 69-A Banner Co., 20,000 sq.yd. Hyannis-Antioch Rd., F.A.P. 277-A, Grant Co. 157,000 sq.yd. Lakeside-Antioch Rd., F.A.P. 277-B Sheridan Co. 98,700 sq.yd. Hyannis-Seneca Rd., F.A.P. 80-A, Grant Co. 71,700 sq.yd. Hyannis-Seneca Rd., F.A.P. 80-B, Hooker Co.; and guard rail and incidental work on 2,904 lin.ft. Fairmont-Exeter Rd., F.A.P. 171-B, Fillmore Co., all for State Hy. Dept. $500,000.

Mo., Maryville—Sept. 16, by E. T. Archer & Co., engrs., 609 New England Natl. Bank Bldg., Kansas City, 7 in. rein.-con. paving 5 blocks various streets, here, for City.

Mo., Mexico — Sept. 14, by City Council brick, concrete or asphaltic concrete paving 7,500 sq.yd. various streets.

Arkansas—Sept. 29, by State Hy. Dept., Little Rock, grading and gravel surfacing 10 mi. Camden-Stephens Rd., Federal Aid Project, Ouachita Co. R. C. Limerick, highway engr.

Ark., Siloam Springs—Sept. 29, by Comrs. Paving Dist. 3, W. H. Dunlap, secy., grading, curbing and brick, concrete, rein.-con., vibrated concrete, sheet asphalt or asphaltic concrete surfacing, etc. 21,460 sq.yd. various streets. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Tex., San Antonio—Sept. 25, by Bexar Co., ½ in. or 1 in. natural limestone rock asphalt surfacing 9 blocks road from Cincinnati Ave. to Bandera Rd., 45 ft. $28,000. A. C. Pancoast, 102 Turner St., co. engr.

Tex., San Antonio—Oct. 2, by A. C. Pancoast, engr. Bexar Co., 102 Turner St., 1 in. natural limestone rock asphalt paving about 22 blocks on W. W. White Rd. from St. Hedwig to Seguin Rds., 40 ft. $28,000.

Tex., Wichita Falls—F. M. Rugely, engr., Wichita Falls, taking bids and opens same about Sept. 15, rein.-con. paving 4 blocks 17th St. from Burnett to Holliday Sts., 60 ft., for City. $35,000.

Oklahoma—Sept. 15, by State Hy. Dept., Oklahoma City, **(S.H. means State Highway)**, concrete surfacing 2 mi. Lone Grove Rd., 18 ft., S.H. 5, Carter Co. $72,000, 1 mi. Healdton Rd., 30 ft., S.H. 29, Carter Co. $30,000, 2.5 mi. Bixley Rd., 18 ft., S.H. 1, Muskogee Co. $66,000, and 3 mi. Oschelata Rd., 18 ft., Tulsa Co., $92,000; brick on present gravel surfacing 1.5 mi. Muskogee Rd., 18 ft., S.H. 1 $47,000, 2.5 mi. Muskogee Rd., 18 ft., S. H. 6 $65,000 and 1.5 mi. same road, 18 ft., $48,000, all Muskogee Co. J. M. Page, highway engr.

Oklahoma—Sept. 15, by State Hy. Dept., Oklahoma City, grading, bridging, etc. 25.6 mi. Chickasha-Rush Springs Rd., Grady Co., $238,000; 8.1 mi. Orlando-Mulhall Rd., Logan Co., $61,000; 12.5 mi. Perry-Orlando Rd. 1, Noble Co., $78,000; and 14.2 mi. Purcell-Paoli Rd., McLain Co., $130,000; all 30 ft. wide. J. M. Page, highway engr.

California—Sept. 21, by State Hy. Dept., Forum Bldg., Sacramento, concrete widening 15.2 mi. road between San Fernando and La Canada, Los Angeles Co. R. M. Morton, Sacramento, highway engr.

BIDS RECEIVED

Mass., Boston—Dept. Pub. Wks., granite block paving Cambridge and Court Sts., from S. J. Tomascello, 11 Cushing Terrace, Dorchester, $90,812.

N. Y. Brooklyn—J. A. Guider, boro pres., Boro Hall, Sept. 2, from F. Persicano, 350 Fulton St., grading, curbing and flagging Crown St. $3,157 East 98th St. $5,521, 51st St. $4,131; from Uvalde Asphalt Co., 1 Bway., New York City, sheet asphalt paving Crown St., etc. $8,735, East 26th St., etc. $8,027 and East 26th St., etc. $10,427 asphalt paving Rutland Rd. $23,614, from Brooklyn, Alcatraz Asphalt Co., 407 Hamilton Ave., East 9th St. $8,252, 63rd St. etc. $5,332, 71th St. $8,436, East 10th St. $9,363, East 16th St. $9,153; from W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 16th St. $5,036, West 9th St. $4,989, 52nd St. $3,292, 55th St. $3,810, 61st St. $3,660, from G. M. Mandato, 129 29th St., East 10th St. $2,[illegible], East 26th St. $3,024, East 37th St. $3,367, Ave. M and Gravesend Ave., etc. $2,844, from Sicilian Asphalt Co., 41 Park Row, New York City, asphalt repaving Gates Ave. $36,425, Montague St. $32,880; from B. Turecamo, 8706 Bay 12th St., asphalt paving Ave. M, etc. $21,831, 55th St. $9,087, from Cranford Co., 52 9th St., 19th Ave. $4,321, 52nd St. $7,109, 63rd St. $4,8[illegible], from M. J. O'Hara, 717 65th St., 61st St. $9,691; from Buoneello Contg. Co., 6903 Ft. Hamilton Ave., grading, curbing and flagging 64th St., $13,709; from C. Bennett Contg. Co., 414 Rutland Rd., grading, recurbing and granite paving Rochester Ave. $12,066, Granite paving Montague St. $15,157. Noted Aug. 27.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., Sept. 3, from Interboro Asphalt Co., 2306 Creston Ave., bituminous concrete paving McClellan St. $5,892, East 212th St. $4,783, sheet asphalt paving Ellis Ave., $27,419, White Plains Rd. $11,507, Holland Ave. $15,950; from Gaffney Constr. Co., bituminous concrete paving St. Lawrence Ave. $19,423, East 212th St. $4,783, Melville St. $18,968, sheet asphalt paving Garfield St. $9,570; from Burnside Contg. Co., 276 Burnside Ave., asphalt block repaving Fox St., $13,665; from J. V. Timoney Constr. Co., 220 East 201st St., sewers, etc. in College Ave. $12,073, and from Anita Constr. Co., 2975 Marion Ave., in O'Brien Ave., $7,247. Noted Aug. 27.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Sept. 3, granite block repaving, etc. West St., from J. Meehan & Son, 74 Cortlandt St., $118,680; widening and sheet asphalt repaving 57th St., from W. J. Fitzgerald, 547 West 45th St., $22,650. Noted Aug. 27.

Pennsylvania—State Hy Dept., Harrisburg, Sept. 1, **(A. means Application and R. means Route)** one course rein.-con. paving 13.820 ft. South Pymatuning Rd., A. 3451, Mercer Co. from R. H. Cunningham & Sons Co., 617 Penn Ave., Turtle Creek $100,092, 7,491 ft. Catasaqua Rd., A. 2497, Lehigh Co., from G. H. Hardner, 602 Hamilton St., Allentown $108,777, 8,380 ft. Derry-Palmyra Rd., R. 139, Dauphin and Lebanon Counties, from C. B. John & Bro., Malvern $112,164, 6,097 ft. Hepburn Rd., R. 20, Sect. 9, Lycoming Co., from Lane Constr. Corp., 35 Colony St., Meriden, Conn. $57,962, 11,668 ft. New Cumberland-Lomoyne-Lower Allen Rd., R. 250, Cumberland Co., from P. R. Hostetter Co., Inc., Summer St. and West Maryland R.R. tracks, York $109,831, 4,450 ft. Economy Twp. Rd., A. 3316, Beaver Co., from G. S. White Co., Jenkins Arcade, Pittsburgh $40,078, 66,810 ft. Ulysses-Sweden Rd., R. 102, Sect. 5, Potter Co., from D. L. Dennis, Smethport $743,567, 28,830 ft. Centerville Borough Rd., R. 268, Sect. 8, Washington Co., from Blue Ridge Constr. Co., Inc., Uniontown, $390,337, 10,318 ft. Kiskiminotas-Parks Twp. Rd., R. 69, A. 3030 and 2617, from M. J. McMahon, Deposit Natl. Bank Bldg., Du Bois $111,382, and 11,657 ft. East Franklin Twp. Rd., R. 251, A. 3027, from Johnson, Drake & Piper, Inc., Minneapolis, Minn., $91,864, both Armstrong Co.; also bituminous on concrete or one course rein.-con. paving 13,851 ft. R. 258, A. 3356, Venango-Cambridge Rd., Crawford Co., from Rockford Constr. Co., Rockford, O., $117,898. Noted Aug. 13.

Maryland — State Roads Comn., Baltimore, Sept. 1, concrete paving 2.42 mi. Contr. P-42, Prince George Co., from Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $77,669. Noted Aug. 27.

Md., Baltimore — Bd. Awards, concrete paving alleys listed in Alley Contr. 117, from Arundel Constr. Co., Knickerbocker Bldg., Baltimore, $48,545. Noted Aug. 27.

Kentucky — State Hy. Dept., Frankfort, Aug. 24, **(F. A. P. means Federal Aid Project)** grading, etc. 1.75 mi. Paintsville-Inez Rd., F. A. P. 139 A, Johnson Co. and 9.67 mi. Inez-Paintsville Rd., F. A. P. 139 B, Martin Co., both 24 and 28 ft., from Sutton Constr. Co., Ashland, $36,096 and $178,640 respectively; concrete, rock asphalt, or waterbound macadam paving 3.42 mi. Lawrenceburg-Grafensburg Rd., F. A. P. 134 A, Anderson Co., from Irvine Constr. Co., Irvine, $60,581; bank or river gravel or waterbound macadam paving 10.5 mi. Louisville-Paducah Rd., F. A. P. 37 A, Breckinridge Co., from Ellis & Kelly, Owensboro, $92,081, all foregoing 16 ft. Noted Aug. 20.

Michigan—State Hy. Dept., at office Comrs. Ionia Co., Ionia, Sept. 1, grading and graveling 4.039 mi. County A.D. 26, from Banhagel Constr. Co., Ionia, $59,424. Noted Aug. 27.

Wis., Rhinelander—A. Moe, city clk., Aug. 25, from Bridges Asphalt Paving Co., Wabash, Ind., improving various streets, 25,500 sq.yd. sheet asphalt paving at $1.30 per sq.yd., 800 cu.yd. excav. $0.60, 1,380 tons binder $6, 2,800 ft. concrete curb and gutter $0.60. Noted Aug. 27.

Streets and Roads (Continued)

Wis., Wauwatosa — Bd. Pub. Wks., A. Brigham, secy., Aug. 28, from Jacobs & Winding Concrete Constr. Co., 1 State St., grading, rein.-con. paving, etc. 13,075 sq.yd. 59th and North Main Sts. at $2.07 per sq.yd., and 5,760 sq.yd. 13th Ave., Forest and 61st Sts., $2.14. Noted Aug. 20.

Montana—State Hy. Dept., Helena, gravel surfacing 5.15 mi. Yellowstone Trail, Yellowstone Co., from J. M. Carter, Billings, $30,156.

Missouri—State Hy. Dept., Jefferson City, Aug. 28, from Shull & Melton, California, 30 ft. grading 4.783 mi. St. Louis-Springfield Rd., Laclede Co. $22,042, from Gaines Bros. & Co., Fairland, Okla., 13.99 mi. St. Louis-Springfield Rd., Franklin Co. $104,-018, from O. H. Schmidt, St. Joseph, 0.229 mi. St. Joseph-Gower Rd., Clinton Co. $1,128, and 0.152 mi. Kansas City-St. Louis Rd., Calloway Co. $1,495, from Pope Constr. Co., Jefferson City, 3.595 mi. Kansas City-St. Louis Rd. $4,434, and 4.016 mi. Kansas City-Jefferson City Rd., Montgomery Co. $32,180; from E. D. Tyner Constr. Co., Kansas City, grading 1.259 mi. St. Joseph-Kansas City Rd., Clay Co. $1,244 and 4.802 mi. Kansas City-St. Joseph Rd., Platte Co. $6,073, from E. J. Wells, Oklahoma City, Okla., 3.714 mi. Kansas City-Jefferson City Rd., Jackson Co. $42,835, from Smith Bros., Inc., Dallas, Tex., 2.392 mi. Kansas City-St. Louis Rd., Calloway Co. $22,979, from Novaculite Constr. Co., Marion, Ill., 3.939 mi. road from Iplet west, Mississippi Co. $13,442; from Pickus Eng. & Constr. Co., St. Louis, grading 11,112 mi. and 18 ft. concrete surfacing 3.977 mi. Kansas City-St. Louis Rd., Calloway Co., $89,066; from A. A. Davis & Lahar Bros. Constr. Co., Oklahoma City, Okla., grading 4.068 mi. road from Springfield west, Greene Co. $14,-212, 2.898 mi. road from Springfield west, Lawrence Co. $4,631, 5.597 mi. Kansas City-Jefferson City Rd., Johnson Co. $33,847, 7.11 mi. Kansas City-Jefferson City Rd., Jackson Co. $53,490, and grading and 18 ft. concrete paving 3.494 mi. same road $82,-466; from J. Stanton, Leavenworth, Kan., grading 3.551 mi. road from Springfield west, Greene Co. $3,833, 4.811 mi. road from Springfield west, Lawrence Co. $3,658 and grading and 18 ft. concrete paving 4.936 mi. same road, $91,672; from Zeigler Bros., Junction City, Kan., grading 3.144 mi. Excelsior Springs-Richmond Rd., Ray Co. $22,419, 18 ft. concrete paving 3.306 mi. Marshall-Sedalia Rd., Saline Co. $65,268, 4.802 mi. Kansas City-St. Joseph Rd., Platte Co. $46,931, grading and 18 ft. concrete surfacing 3.339 mi. St. Louis-Jefferson City Rd., Pettis Co. $49,618; from Davis Constr. Co., Boonville, grading 4.415 mi. Kansas City-St. Louis Rd., Boone Co. $71,743, grading and 18 ft. concrete paving 9.95 mi. same road $221,461, 18 ft. concrete paving 11.855 mi. Kansas City-St. Louis Rd., Calloway Co., $157,528; from Smith Bros., Inc., Amer. Express Bank Bldg., Dallas, Tex., grading and 18 ft. concrete paving 7.067 mi. Marshall-Sedalia Rd., Saline Co. $305,642, 18 ft. concrete paving 2.195 mi. same road $76,659, 2.87 mi. Kansas City-Jefferson City Rd., Johnson Co. $28,791, 4.415 mi. Kansas City-St. Louis Rd., Boone Co., $65,512; from Koss Constr. Co., Ft. Des Moines, Ia., grading 3.617 mi. Kansas City-St. Louis Rd., Johnson Co. $4,813, 18 ft. concrete paving 6.506 mi. road from Springfield west, Greene Co. $113,364, 20.122 mi. road from Springfield west $349,145; from Western Asphalt Paving Corp., Sioux City, Ia., grading 2.955 mi. road from Springfield east and west, Greene Co. $2,449, 4.977 mi. Higginsville-Warrensburg Rd., Lafayette Co. $3,458, 2.189 mi. Kansas City-St. Louis Rd., Johnson Co. $1,526, 12.413 mi. road from Springfield west, Lawrence Co. $8,369, 3,753 mi. Kansas City-St. Louis Rd., Montgomery Co. $11,546, 3.306 mi. Marshall-Sedalia Rd., Saline Co. $2,740, 10.-297 mi. Marshall-Sedalia Rd., Pettis Co. $8,245, 18 ft. concrete paving 2.195 mi. Marshall-Sedalia Rd., Saline Co. $1,603, 3.144 mi. Richmond-Excelsior Springs Rd., Ray Co. $18,087, 11.288 mi. same road $76,202; from Betman & Menefer, Sedalia, 18 ft. concrete paving 10.297 mi. Marshall-Sedalia Rd., Pettis Co. $197,993, from Karo Constr. Co., Des Moines, Ia., 4.068 mi. road from Springfield west, Greene Co. $70,988, from W. P. McGeorge & Co., Pine Bluff, Ark., 19.274 mi. Kansas City-Jefferson City Rd., Montgomery Co. $165,165, from W. A. Ross, Kansas City, 8.533 mi. Kansas City-St. Louis Rd., Johnson Co. $81,633, 4.977 mi. Higginsville-Warrensburg Rd., Lafayette Co. $58,252, 10.829 mi. Kansas City-Jefferson City Rd., Jackson Co. $100,336, from C. H. Atkinson Paving Co., Watertown, S. D., 1.259 mi. Kansas City-St. Joseph Rd., Clay Co. $11,819, from Hamilton Hoffman Constr. Co., Carbondale, Ill., 2.392 mi. Kansas City-St. Louis Rd., Calloway Co. $36,116, from Thayer Constr. Co., Worthington, Minn., 4.218 mi. Edina-Paris Rd., Shelby Co. $18,541, from Pioneer Constr. Co., Kansas City, 4.24 mi. Salisburg-Keytesville Rd., Chariton Co. $33,876, from Cook & Waddell, Ottawa, Kan., 4.099 mi. same road $21,111, from P. W. Fletcher, Hannibal, 4.237 mi. Butler-Appleton City Rd., Bates Co. $17,509, 4.496 mi. road from Nevada east and west, Bates Co. $20,538; from Clague & Strohl, Bowling Green, 9 and 18 ft. concrete paving 3.939 mi. road from Ipley west, Mississippi Co. $40,611; and from S. Henke, Jefferson City, 20 ft. gravel surfacing 1.026 mi. Jefferson City-St. Louis Rd., Osage Co., $2,922. Noted Aug. 20.

Texas — Parker Co. (Weatherford) and Johnson Co. (Cleburne) grading, bridging and gravel surfacing 7.17 mi. State Highway 10, Federal Aid Project 300-D and E, 166,406 lb. reinforcing, from Culverhouse & Jones, Malone, $76,826. Engrs. est. $94,000.

Tex., Anson—Jones Co., grading and bridging 31.7 mi. State Highway 83, State Aid Project 598, A and B, from A. Smith, Bryan, $57,852. Engrs. est. $600,000.

Colorado — State Hy. Dept., Denver, graveling 5.587 mi. road west of Gunnison, Federal Aid 258C, Gunnison Co., and grading road between Palisades and De Beque, Federal Aid 297 A, Mesa Co., from E. H. Honnen, Box 391, Colorado Springs, $60,101 and $40,188 respectively; 113 ft. concrete bridge and approaches over Muddy Creek on road 19 mi. south of Pueblo on Rd. 1, Federal Aid 296 A, Pueblo Co., from C. A. Switzer, 4312 Zenobia St., Denver, $17,810. Noted Aug. 6.

California — State Hy. Comn., Forum Bldg., Sacramento, Aug. 24, grading and concrete paving 0.4 mi. road between American River and Globe Iron Wks., Sacramento Co., from Kaiser Paving Co., Amer. Bank Bldg., Oakland, $25,519. Engrs. est. $23,084. Noted Aug. 13.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks, and concrete paving 6,635 sq.ft. 1st St. from Vermont Ave. to Edgworth St., from P. J. Akmadjich, 821 Yale St., $16,196, engrs. est. $32,638; 19,-586 sq.ft. Wall St. from 82nd to 83rd Sts., from C. W. Sparks, Henne Bldg., $4,940, engrs. est. $5,146; and 137,768 sq.ft. 79th St., from J. Mullarkey, 8435 South Vermont St., $31,294, engrs. est. $33,961.

Calif., Santa Ana—Orange Co., 7 and 8 in. concrete paving 4 mi. Stanton Ave. between Lincoln and Garden Grove Aves., from C. E. West, 1266 Wesley Ave., Pasadena, $68,500.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 2,840 ft. highway in Webster, to H. and H. P. Green, 325 Greenwood St., Worcester $13,700, 2,033 ft. highway in Dighton, to Z. L. Canedy, East Taunton $9,977, 29,495 ft. highway in Middleborough, to Powers Bros., 161 Montello St., Brockton $212,103, 2,340 ft. highway in West Boylston, to C. E. Horne, Milbury $20,179, 3,250 ft. highway in Millis, to W. H. Hinman, Medway $17,295, 3,950 ft. highway in Ashburton to S. S. Catanese, 151 Harrison Ave., Fitchburg $22,484, 16,-135 ft. highway in Wareham, to D'Onfro Bros., Inc., 712 Main St., Leominster, $123,-903; gravel surfacing 4,000 ft. highway in Norfolk, to Canedy Constr. Co., Clifford, $13,635, and concrete bridge and approaches on 980 ft. highway in Barnstable, to Eng. Serv. & Constr. Co., 220 Devonshire St., Boston, $39,851. Grand total $473,127. Noted Sept. 3.

N. Y., Brooklyn—J. A. Guider, pres., Boro Hall, to Uvalde Asphalt Paving Co., 1 Bway., New York City, asphalt paving Atkins Ave., $5,520, East 34th St., $3,133, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, asphalt paving and repaving, East New York Ave., $3,436, Grand Ave., $21,393, Livonia Ave., $2,931, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving, Ave. T, $3,314 8th Ave., $59,071, 12th Ave., $9,416, 17th Ave., $5,483, 19th Ave., $3,092, 89th St., $7,404, 90th St., $4,590, to B. Turecamo Contg. Co., 8706 Bay 12th St., Colonial Rd., $4,504, to F. L. Gallagher, 490 Park Place, concrete paving on granite Junius St., $4,049, granite paving Portal St. $21,535, to C. Bennett Contg. Co., 414 Rutland Rd., grading, curbing and flagging Brooklyn Ave., $2,531, 47th St., $6,757, to Grimm Contg. Co., 170 McKinley St., 12th Ave., $2,753, 17th Ave., $1,490, to J. M. Mandatto, 129 29th St., East 20th St., $2,308, Ave. P. $2,257, Ave. T. $2,257 to W. J. McHale Contg. Co., 1250 Jefferson St., East 39th St., $3,205, to M. J. O'Hara, 1228 Park Ave., New York City, curbing, flagging and asphalt paving, 7th Ave., $4,359. Grand total $183,655. Noted Aug. 20.

N. J., Elizabeth—Union Co., paving Central Ave., Clark Twp., to J M. Reuter, 544 Adams St., $25,011.

N. J., Newton—Sussex Co., concrete paving 2 mi. Sparta-Woodport Rd., to R. B. Cahill & Co., 299 Central Ave., Newark, $84,084. Noted Sept. 3.

Pennsylvania — State Hy. Dept., Harrisburg, improving 21,600 lin.ft. Bensalem Twp. Rd., Route 150, Bicks Co., 20 ft., to Bonham Co., Bridgeport, N. J., $157,717.

West Virginia—State Hy. Comn., Charleston, bituminous macadam surfacing 0.3 mi. Main St. of Matoaka; Project 3093-A, Mercer Co., to Raleigh Constr. Co.; Beckley $12,435, 1.5 mi. Coalton-Mabie Rd., Project 3212, Randolph Co., to Monto, Scarfo & Cirillo, Elkins, $17,264; grading, etc. 5.1 mi. Franklin-Monterey Rd., Project 3213-A, Pendleton Co., to Sutton Constr. Co., Kenova $59,035, 6 mi. Franklin-Riverton Rd., Project 3175-C, Pendleton Co., to Hall & Mitchell, Keswick, Va. $105,118, 4 mi. Plymouth-Red House Rd., Project 3247, Putnam Co., to Stollings Constr. Co., St. Albans $27,063, 5.4 mi. Parsons-Elkins Rd., Project 3211-C, Randolph Co., to Rogers & Shumway, Worthington $50,928, 4.5 mi. Scary-Winfield Rd., Project 3350, Putnam Co., and 5 mi. Ellenboro-Pleasants Co. line Rd., Projects 3265 and 3267, Ritchie Co., to Smith & Bender, Nitro, $26,993 and $96,949 respectively. Grand total $395,783. Noted Aug. 6.

W. Va., Charleston—Mercer Co., grading and bituminous macadam surfacing 1.5 mi. Cumberland Turnpike, 16 ft., to White, Rich & Co., Princeton $27,854.

W. Va., Philippi—Barbour Co., improving 3.93 mi. Union Dist. Road, to Marshall & Gilooly, Elkins, $151,000.

Miss., Winona — Grading, curbing and concrete paving various streets, to G. W. Turner & Co., 280 Ayres St., Memphis, approximately $150,000.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, (**F. A. P. means Federal Aid Project and S. A. P. means State Aid Project**), to Shea Bros., Knoxville, grading, etc. 5.3 mi. Sunbright-Scott Co. line Rd., S.A.P. 300-A, Morgan Co. incl. 2 bridges over 29 ft. span, $53,222, to L. Rich Constr. Co., Harrison, Ill., 12.89 mi. Dyersburg-Obion Co. line Rd., S.A.P. 303, Dyer Co. $54,155, to Harrison, Walters & Prater, White Pine, 1.22 mi. Alcoa Rd., S.A.P. 199, Blount Co. $10,106, to Cresap Co., Humbolt, 6.78 mi. road from Gibson Co. line to point near Jackson, F.A.P. 51-C, Madison Co. $32,927, to S. K. Jones Constr. Co., Rand Bldg., Memphis, 3.97 mi. Millington-Tipton Co. line Rd., F.A.P. 31-C, Shelby Co. $27,913, to Bender, Beckham & Croix, Chattanooga, 1.03 mi. Market Street Bridge-Stringer Ridge Tunnel Rd., S.A.P. 197, Hamilton Co., $41,112; rock gravel surfacing, to C. & G. Constr. Co., Dickson, 14.75 mi. Obion-Lanes Ferry Rd., S.A.P. 196, Dyer and Obion Counties $39,975; to Hoeffken Bros., Belleville, Ill., bituminous concrete surfacing 3.66 mi. road from Gibson Co. line to end of F.A.P. 29-B, Madison Co. $85,092 concrete surfacing 2.45 mi. Humbolt-Madison Co. line Rd., F.A.P. 29-A, Gibson Co. $58,226 and 7.38 mi. Jackson-Gibson Co. line Rd., F.A.P. 29-B, Madison Co. $176,230, to S. E. Finley, Atlanta, Ga.; 5.81 mi. Mt. Pleasant-Rockdale Rd., F.A.P. 34-B, Maury Co., $152,272. Grand total $731,230.

Tenn., Memphis — Grading, curbing and asphalt on concrete surfacing Central Ave. from Cooper St. to Speedway, Fairgrounds, to G. T. Turner & Co., 280 Ayers St., $50,-607.

Kentucky — State Hy. Dept., Frankfort, bituminous macadam surfacing 3.42 mi. Lawrenceburg-Grafensburg Rd., 16 ft., Federal Aid Project 134-A, Anderson Co., to Perkins Constr. Co., Frankfort, $76,798; bank gravel surfacing 10.5 mi. Louisville-Paducah Rd., 16 ft., Federal Aid Project 37-A, Breckenridge Co., to Ellis & Kelley, Owensboro, $92,081; grading, etc. 1.75 mi. Paintsville-Inez Rd., Federal Aid Project 139-A, Johnson Co., and 9.67 mi. same road Sect. B, Martin Co., both 24 and 28 ft., to Sutton Constr. Co., Ashland, $36,096 and $17,640 respectively. Grand total $222,-615. Noted Aug. 20.

O., Cleveland—Cuyahoga Co., improving Cedar Rd. 6 41,240 lin.ft. concrete curbing, 48,640 lin.ft. 4 in. drain tile guttering, 38,-950 sq.yd. vitr. brick, and 11,500 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, $258,498. Engrs. est. $322,200.

O., Cleveland—To River Constr. Co., 402 Mapleside Rd., grading stone curbing, guttering and vitr. brick paving 11,480 sq.yd. Sandusky Ave. $79,030, to Gould & Maybach, 16311 Saranec Rd., 8,790 sq.yd. Rudyard Rd. and East 125th St., $14,601 and $38,988 respectively; to Cleveland Trinidad Paving Co., The Arcade, grading, curbing, guttering vitr. brick and granite block paving Superior Ave. $3,943, East 37th St. $11,749, East 115th St. $5,998,

Streets and Roads (Continued)

East 118th St. $20,563, East 163rd St. $9,889, West 165th St. $10,353, to Enterprise Paving & Constr. Co., 8444 Bway., East 57th St. $16,440, East 67th St. $11,787, East 138th St. $6,774, to Baldwin Bros., 4500 Euclid Ave., East 90th St. $10,278, West 30th St. $6,878, West 84th St. $17,911, to H. G. Herring, West 73rd St. and Wheeling and Lake Erie R.R. tracks, East 165th St. $7,604, to Highway Constr. Co., West 112th St. and Madison Ave., West 168th St. $7,236. Grand total $280,022. Noted Sept. 3.

O., Cleveland—Cuyahoga Co., grading and concrete paving 9,940 sq.yd. Mastick Rd., and 11,800 sq.yd. Hall Rd., to Ohio Eng. Co., Lorain, $81,979 and $41,427 respectively. Engrs. est. $96,000 and $51,000 respectively. Noted Aug. 20.

O., New Philadelphia — Tuscarawas Co., resurfacing Old Town Rd., to C. G. Fuller, Genl. Del., Dover, $28,290. Engrs. est. $30,000.

Ill., Libertyville—Improving Park Ave. and Park Ave. extension, 14,750 sq.yd. concrete 8,550 ft. curb and gutter, 3,000 ft. storm sewers, to J. Cape & Sons, Racine, Wis., $54,805.

Ill., McHenry — Grading, curbing and vibrolithic concrete surfacing 9,421 sq.yd. streets in Paving Dist. 5, to McGucken & Vander Heyden Co. 314 Fowler St., Milwaukee, Wis., $32,087. Noted Aug. 13.

Ill., Plano—Grading, curbing and concrete paving various streets, to Trompeter & Son, Peru, Ill. Engrs. est. $48,000.

Minn., Duluth—W. H. Tischer, city comr., grading, curbing and concrete paving, etc. 2,158 sq.ft. 45th Ave., to E. Olson, 112 North 10th St., $32,691, also 18,900 sq.yd. roadway and 12,100 ft. along car tracks on Grand and 93rd Aves., to Shipman & McCumber, 2810 East 2nd St., $86,092.

Neb., Wilbur—Brick, warrenite, sheet asphalt, asphaltic concrete, vibrolithic or concrete paving 11,700 sq.yd. various streets, to Abel Constr. Co., 813 Terminal Bldg., Lincoln.

Mo., Carrollton—Improving North Folger St., 8,240 yd. rein.-con., 5,774 ft. curb and gutter, to C. F. Brindle, 647 Ann Ave., Kansas City, Kan., $25,035.

Mo., Clayton—Clayton Co., improving Ogden Ave., 1,674 cu.yd. excav., 4,122 sq.yd. rein.-con. base course, 400 cu.yd. additional material for base, 4,364 sq.yd. telford base, 8,391 sq.yd. bituminous macadam surface, 4,708 ft. concrete curbing, etc., to Blackburn-Crean Constr. Co., 205 Chouteau Trust Bldg., St. Louis, $29,675.

Mo., Maitland — H. E. Kelly, city clk., grading, concrete paving, etc. 7,192 sq.yd. various streets, to Asplund Constr. Co., Tecumseh, Neb.

Tex., Angleston—Brazoria Co. will resurface with shell 4½ mi. State Highway 10, 18 ft., by day labor. $28,000. R. J. Hank, Austin, highway engr.

Tex., Anson — Jones Co., grading and bridging 15.27 mi. State Highway 18, Federal Aid Project 477-C, to Thomas & Ratliff, Rogers, $53,397. Engrs. est. $72,960. Noted June 11.

Tex., Anson—Jones Co., grading, etc., 17.8 mi. State Highway 93, State Aid Project 606, 28 ft., to Bucy & Childs, Rising Star, $37,173. Engrs. est. $45,929.

Tex., Boston—State Highway Engineer, Austin, clearing, grubbing, grading, concrete paving and bridging 10.29 mi. State Highway 1, Federal Aid Project 474, Bowie Co., to McGuire & Cavender, Sherman, $301,213. Engrs. est. $349,939. Noted July 16.

Tex., Dallas — To Fuller Constr. Co., Fidelity Union Bldg., asphaltic concrete paving Roseland St. from Hall to Washington Sts., Munger St. from Hall to Caddo and Maderio Sts., McMillan St. to Grandview St. $51,180, Fuqua St. from Hall to Washington Sts., Melrose St. from McMillan to Grandview Sts. $26,635, Allen St. from Thomas to McKinney Sts., Carroll St. from Cabell to Rusk Sts. $30,528, Mannett St. from Fitzhugh to Henderson Sts., Hays St. from Washington to Caddo Sts. $25,966, and Prairie St. from Greenville to Matilda Sts., Bonview St. from Fitzhugh to Henderson Sts. $29,278; to Uvalde Paving Co., Santa Fe Bldg., Tilden St. from Kessler Blvd. to Plowman St., Mission St. from Fitzhugh to Garrett Sts. $26,559, Okenwald St. from Zangs to Plowman Sts., Catherine St. from Hampton to Chalmers Sts. $26,010, Tilden Pl. from Tilden St. to Zangs Blvd., Prairie St. from Ross St. to Elk Dr. $26,571, Willomet from Jefferson to Brooklyn Sts., Suffolk St. from Beckley to Madera Sts. $31,414 Comal St. from Jefferson to Marsalis Sts., Hickory St. from Ervay to Harwood Sts. $31,646, Romine St. from Cleveland to Holmes Sts., Cleveland St. from Casey to Romine Sts., Rosemont St. from 10th to 12th Sts., $32,648, South Blvd. from Houston & Texas Central R.R. tracks to Ervay St., Polk St. from Davis to 8th Sts. $27,911; to Smith Bros., Santa Fe Bldg., Hollywood St. from Beckley to 12th Sts., Worthington St. from McKinney to Hibernia Sts., Page St. from Taylor to Winnetka Sts. $25,698, Comal St. from Jefferson to Fleming Sts., Jefferson St. from Marsalis on Addison St., Parry St. from Exposition to Haskell Sts. $30,239, Gladston Dr. from Montreal St. to Hampton Rd., Brighton St. from Jimtown to Winters Sts., Concha St. from Beckley to Elsbeth Sts. $25,235, Gurley St. from Bank to Henderson Sts. $36,333; to Central Bitulithic Co., Praetorian Bldg., 8th St. from Lancaster to Weing Sts., Fitzhugh St. from East Grand to Farney Sts. $29,467, Knight St. from Maple to Brown Sts., Greenwood St. from Hall to Liberty Sts., Lamesa St. from Alma to Henning Sts., $26,906; to Texas Road Co., Mercantile Bank Bldg., Griffen St. from McKinney to River Sts., Taylor St. from Henry to Crowders Sts., Summer St. from Broom to Ashland Sts. $25,977. Grand total $566,201.

Tex., Dallas — To Fuller Constr. Co., Fidelity Union Bldg., paving Belmont St. from Raitman to Greenville Sts. $28,476, Sinex St. from Raitman to Greenville Sts. $32,641, Lano St. from Raitman to Greenville Sts. $32,641, Bram St. from Raitman to Edgemont Sts. and Phillips St. from Bank to Fitzhugh Sts. $28,979, Sanger Ave. from Erway to Wall Sts. and Bryan Parkway from Linden to Oram Sts. $28,286, Boll St. from Ross to Thomas Sts. $25,557; to Central Bitulithic Co., Praetorian Bldg., Grand St. from Ervay to Exposition Sts. $95,567, Glasgow Dr. from Santa Fe to East Grand Sts. $32,867, 10th St. from Lancaster to alley west of Polk St. $86,480; to Smith Bros., Inc., Santa Fe Bldg., Dallas, Barry St. from East Grand to Forney Sts. $35,559, Marsalis St. from Jefferson St. to Marsalis Park $30,245, Lancaster Ave. from Brazos to 10th St. $51,649; to Texas Road Co., Mercantile Bank Bldg., Bryan St. from Cantegral to Munger Sts. $107,447. Bryan St. from Pacific to Cantegral Sts. $37,178, Commerce St. from Harwood to Houston & Texas Central R.R. tracks, $25,908, McKinney St. from Lamar to Harwood Sts. $33,241, McKinney St. from Routh to Bowen Sts. $34,180, McKinney Ave. from Bowen to Haskell Sts. $30,580; to Uvalde Paving Co., Santa Fe Bldg., Seever St. from Vermont to Illinois Sts. $33,496, Velasco St. from Raitman St., to Greenville Rd. $28,180. Grand total $839,157.

Okla., Holdenville—Concrete paving 9,200 sq.yd. South Echo St., to N. Wiggins, Manhattan Bldg., Muskogee, $28,142. Noted Aug. 20.

Okla., Okemah—Grading and concrete paving 21 blocks Bway., 5th, 6th, 7th Sts., to Park & Moran, 210 South Seminole St., Okmulgee, $88,554. Engrs. est. $105,168.

Okla., Oklahoma City—Sheet asphalt surfacing 3,500 sq.yd. Exchange Ave. and asphalt on 6 in. concrete surfacing 4,900 sq.yd. 22nd St. and Pennsylvania Ave., to Western Paving Co., Tradesmens Bldg., $14,828 and $23,094 respectively; 1.5 Warrenite on 4.5 in. rock asphalt surfacing 3,400 sq.yd. Lottie Ave., to Warren Bros., Oklahoma City, $17,485. Noted Aug. 6.

Colorado—State Hy. Dept., Denver, graveling 2.216 mi. Trinidad La Junta Highway, Federal Aid 267 B, Las Animas Co., to Central Constr. Co., La Veta, $22,858. Noted June 25.

Wash., Seattle—Bd. Pub. Wks., grading and paving Highland Park Way et al., to Goetz & Brennan, Seaboard Bldg., $123,102. Engrs. est. $121,600. Noted Sept. 3.

Oregon—State Hy. Dept., Salem, to C. M. Igoe, Marshfield, improving 4.75 mi. Roosevelt Highway, Coos Co., 24 acres clearing at $200 per acre, 17 acres grubbing $200, 35,000 cu.yd. earth excav. $0.55, 19,000 cu. yd. solid rock excav. $0.55, etc., total $50,210.

Calif., Glendale—Improving 8 blocks Flower and Lakes Sts., Sonora and Roberta Aves., etc., 349,336 sq.ft. 4 in. concrete base, to C. N. Henser, Box 98, Glendale, $79,573. Engrs. est. $75,225.

Calif., Huntington Beach—Curbing, sidewalks and 1½ in. sheet asphalt and 3½ in. asphaltic concrete paving 249,910 sq.ft. Olive Ave. between 1st and 23rd Sts., to G. M. Souter, 410 9th St., $53,065. Engrs. est. to exceed $50,000.

Calif., San Diego—Common Council, grading, curbing, sidewalks, etc. on Mission Ave., to H. G. Fenton, 1980 Main St. $41,292.

Buildings—Industrial

PROPOSED WORK

Mass., Atlantic—MANUFACTURING—Norfolk Woodworking Co., Braintree, having plans prepared by L. S. Joslin, 339 Newbury St., Boston, 37 x 46 ft. boiler house, 25 x 33 ft. repair garage, 50 x 110 ft. dry kiln and lumber storage building and 35 x 40 ft. office building, all 1 story,

SUBWAY—NEW YORK, N. Y.

Following are lowest three bids opened by Board of Transportation, 49 Lafayette St., June 12, for constructing Route 78, Sect. 2, under Central Park West from West 89th to West 100th Sts., (A) T. A. Gillespie Co., 7 Dey St. (awarded contract); (B) Rosenthal Engineering & Contracting Co., 226-8 Jackson St., Brooklyn; (C) F. L. Cranford, Inc., 149 Remsen St., Brooklyn. The unit bids are as follows:

	A	B	C
86,000 cu.yd. earth excavation	$6.50	$10.85	$11.83
126,000 cu.yd. rock excavation	13.00	10.85	11.83
Underpinning buildings (a) No. 385–No. 386 (lump sum)	5,000.00	10,000.00	5,600.00
(b) No. 390 (lump sum)	15,000.00	15,000.00	2,000.00
(c) No. 391–No. 393 (lump sum)	15,000.00	25,000.00	6,900.00
(d) No. 409–No. 410–No. 411 (lump sum)	12,000.00	8,000.00	13,000.00
30 furnishing and planting trees	100.00	40.00	40.00
425 lin.ft. removing and restoring park wall fence	12.00	12.00	10.00
29,000 cu.yd. concrete masonry	20.00	21.00	22.00
8,000 sq.ft. rubbed surface	.12	.15	.15
4,250 cu.yd. protective concrete	20.00	21.00	22.00
800 cu.yd. rubble stone masonry	8.00	15.00	12.00
100 cu.yd. dry rubble masonry	6.00	15.00	10.00
120 cu.yd. brick masonry	30.00	40.00	40.00
30 cu.yd hollow terra cotta	35.00	40.00	45.00
100 bbl. Portland cement grout	6.00	10.00	8.00
400 sq.yd. plastering on hollow tile	1.20	2.50	2.00
20 cu.yd. broken stone or gravel	6.00	7.00	5.00
8,400 sq.yd. waterproofing treated fabric (a) 1 ply	1.25	1.00	1.30
12,900 sq.yd. (c) 3 ply	2.50	2.50	2.20
4,400 sq.yd. (e) 5 ply	3.50	3.70	4.00
13,500 sq.yd. (f) 6 ply	4.00	4.20	5.00
100 sq.yd. (i) dry	1.00	1.00	1.00
600 cu.yd. waterproofing brick in mastic (a) 1 layer	60.00	50.00	55.00
50 cu.yd. (b) 2 layer	40.00	50.00	50.00
700 lin.ft. cast iron pipe and fittings (a) 3 in.	1.50	1.50	1.50
300 lin.ft. (b) 4 in.	1.75	2.00	2.00
500 lin.ft. (c) 6 in.	2.00	3.00	3.00
3,000 lin.ft. (d) 8 in.	3.00	3.50	4.00
250 lin.ft. (e) 10 in.	4.00	5.00	6.00
100 lin.ft. standard galvanized steel pipe (a) 3 in	1.50	2.00	2.00
400 lin.ft. (b) 4 in.	1.75	3.00	2.00
100 lin.ft. (c) 6 in.	2.50	4.00	4.00
15 lin.ft. (d) 8 in.	3.00	5.00	10.00
50 lin.ft. (e) 10 in.	3.50	6.00	10.00
203,600 duct ft. tunnel ducts	.30	.30	.26
1,500 conduit ft. 3 in. fibre conduits	.50	.40	.40
1,290 ton riveted steel	132.00	120.00	115.00
30 wrought iron tree guards	30.00	50.00	75.00
5 ton architectural iron and steel	300.00	400.00	425.00
1,250 sq.ft. steel doors	7.00	7.00	5.00
2 emergency exit covers	600.00	750.00	500.00
2,250 ton steel beams and shapes	132.00	120.00	115.00
195 ton steel rods and bars in concrete	110.00	100.00	100.00
25 ton miscellaneous iron castings	150.00	325.00	200.00
2,600 lb. special wire forms in place	.20	.50	.30

	A	B	C
10,880 lin.ft. oak or ash hand rail	.75	1.00	.75
5,400 sq.ft. steel gratings for ventilation (a) horizontal	3.00	3.50	3.50
450 sq.ft. (b) vertical	2.50	3.50	2.00
4,500 sq.yd. street surface restored (a) within curb	2.75	3.50	4.00
7,600 sq.yd. (e) asphalt	4.50	6.00	5.00
2,400 sq.yd. (ff) Belgian block	7.00	3.00	6.00
100 lin.ft. (i) 6 in. B.S. curb	2.00	3.00	3.00
100 lin.ft. (k) 8 in. granite curb	3.50	6.00	5.00
200 sq.yd. 3 in. finished concrete walls and slabs	2.00	4.00	4.50
1,000 sq.yd. park surface restored	1.50	3.00	3.00
4,000 lin.ft. steel electric conduits (a) 2 in. at station	.50	.25	.60
50 lin.ft. (b) 1½ in. at station	1.00	.50	1.00
3,300 lin.ft. (d) 1 in. at station	.75	.30	.60
10 lin.ft. (g) 2½ in. at station	2.00	1.00	2.50
410 4 x 4 x 3 in. c.i. outlet boxes at stations	2.00	2.00	2.40
10 cast iron pull boxes (a) 6 x 6 x 4 in.	4.00	5.00	11.00
1 (b) 6 x 12 x 3 in.	6.00	10.00	15.00
115 lin.ft. cast iron pipe and fittings (a) 6 in. extra heavy	2.50	3.00	4.00
30 lin.ft. (b) 3 in. extra heavy	1.50	1.50	4.00
10 lin.ft. (c) 4 in. extra heavy	2.00	2.00	4.00
100 lin.ft. (f) 8 in. extra heavy	4.00	3.50	5.00
100 lin.ft. vitrified pipe sewer 12 in.	3.00	5.00	8.00
100 lin.ft. 15 in.	4.00	6.00	8.00
100 lin.ft. 18 in.	5.00	9.00	10.00
300 lin.ft. 24 in.	7.50	13.00	11.00
7 ton cast iron sewer pipe (straight pipe)	100.00	120.00	175.00
2 ton cast iron sewer pipe (special castings)	150.00	220.00	275.00
750 lin.ft. flat top reinforced concrete sewer (a) 3 ft. 6 in. x 2 ft. 4 in.	15.00	20.00	15.00
750 lin.ft. (e) 4 ft. x 2 ft. 6 in.	20.00	22.00	20.00
120 lin.ft. (l) 4 ft. 9 in. x 4 ft. 3 in.	30.00	25.00	40.00
50 lin.ft. (s) 4 ft. 3 in. x 2 ft. 8 in.	20.00	23.00	40.00
200 lin.ft. (t) 3 ft. 6 in. x 3 ft. 2 in.	16.00	22.50	20.00
4,600 lin.ft. electric underground trolley	15.00	11.00	2.00
100 lin.ft. water pipe in streets 6 in.	2.00	3.00	4.00
100 lin.ft. 12 in.	3.00	4.00	5.00
100 lin.ft. 20 in.	4.50	8.00	10.00
100 lin.ft. 30 in.	6.00	15.00	15.00
500 lin.ft. 36 in.	8.00	18.00	15.00
300 lin.ft. 48 in.	10.00	28.00	18.00
5 service connections	15.00	60.00	50.00
Reconstructing 96 in. aqueduct (lump sum)	6,500.00	27,460.00	25,000.00
100 lin.ft. cast iron and steel gas pipe 6 in.	1.50	3.00	3.50
100 lin.ft. 10 in.	2.50	4.00	6.00
100 lin.ft. 20 in.	5.00	8.00	12.00
4,110 lin.ft. steel by-passing pipe (c) 10 in.	9.00	13.00	11.00
3,200 lin.ft. (f) 20 in.	15.00	16.00	12.00
240 lin.ft. (b) 16 in overhead	15.00	20.00	16.00
170 lin.ft. (i) cable susp.	15.00	15.00	12.00
5 service connections gas pipe	20.00	50.00	50.00
150 ton c.i. hub and spigot pipe in place	70.00	90.00	115.00
50 ton special castings	150.00	200.00	230.00
33,200 duct. ft. vitrified clay electric ducts	.50	.40	.38
100 lin.ft. steel pipe electric ducts (a) 2½ in.	1.00	1.50	2.25
100 lin.ft. (b) 3 in.	1.25	2.00	2.50
100 lin.ft. (c) 3½ in.	1.50	2.50	3.00
100 lin.ft. (d) 4 in.	1.75	3.00	3.50
100 lin.ft. (n) 2 in.	.75	1.25	2.00
10 service connections for electric ducts	50.00	60.00	70.00
100 lin.ft. wooden electric ducts and conduits	1.00	.50	1.00
100 lin.ft. fibre electric ducts and conduits 3 in.	.50	.50	1.00
2 service boxes on relocated ducts	50.00	250.00	250.00
Extended totals	$3,997,749	$4,185,145	$4,309,501

Buildings—Industrial (Continued)

rein.-con., brick and steel. To exceed $40,000.

Conn., Meriden—BAKERY and POWER HOUSE, etc.—Connecticut School for Boys, c/o Superintendent receiving competitive plans until Oct. 24, brick and steel bakery, power house, laundry and kitchen building. $120,000.

N. Y., Long Island City — PLANT — Veibar Realty Corp., c/o Ballinger Co., archts. and engrs., 100 East 42nd St., New York City, having plans prepared 4 story, 100 x 118 ft., brick and steel, plain foundation, 5th Ave.

Ga., Lavonia — PLANT — Lavonia Mfg. Co. having plans prepared by J. E. Sirrine & Co., 309 South Main St., Greenville, S. C., 1 story, 50 x 66 ft. rye house, two 50 x 100 ft. compartments for warehouse, also improving present building.

S. C., Greenville—PLUSH MILL—Piedmont Plush Mills, having plans prepared by J. E. Sirrine & Co., 309 South Main St., 1 story, 90 x 181 ft. (ultimately 225 ft.) brick and steel mill, incl. dye house and boiler room. $225,000.

Ga., Savannah—ICE PLANT—Georgia Ice Co., 431 Harmon St., A. M. Dixon, pres., plans 60 ton ice plant addition.

Ala., Bessemer—FACTORY—J. O. Heinze Cultivator & Tractor Co., plans factory.

O., Willard—FACTORY—W. C. Miller, having plans prepared by Austin Co., 16112 Euclid Ave., Cleveland, archts., 2 story brick and steel factory. $50,000.

Mich., Grand Rapids — VARNISH FACTORY — Grand Rapids Varnish Co., 567 Godfrey St. S. W., having plans prepared by H. L. Mead, Grand Rapids, 2 story and basement, 56 x 100 ft., rein.-con., brick, steel and stone factory. $75,000.

Ill., Granite City—BLAST FURNACE and POWER PLANT—St. Louis Coke & Iron Co., 117 North 4th St., St. Louis, Mo., plans new power plant and blast furnace addition to plant, here. $2,000,000.

Minn., Minneapolis—BAKERY—Crispette Co., c/o Laramee & String, 251 McKnight Bldg., having plans prepared by Magney & Tusler, 126 South 9th St., 2 story and basement, rein.-con. and brick, Southeast Industrial Dist. $125,000.

Minn., Minneapolis—MANUFACTURING—Laramee & Strong, 251 McKnight Bldg., plans 2 story, rein.-con. and brick, 28th St. and University Ave. S. E. $150,000. Engineer and architect not announced.

Kan., Arkansas City—SUB-STATION—Kansas Gas & Electric Co., 201 North Market St., Wichita, plans power substation, here. $80,000. C. B. Tingley, Wichita, dist. mgr.

Mo., Puxico—POWER PLANT, etc.—Puxico Flour Mills plans power plant and ice plant, also waterworks system. $150,000.

Tex., Corpus Christi—ICE and COLD STORAGE PLANT—Middle West Utilities Co., c/o E. H. Eldridge, local mgr., plans ice and cold storage plant, 60-ton capacity, $125,000. Engineer and architect not selected.

Tex., Cureo—TEXTILE MILL—Owner, c/o F. M. Keller, pres. Belton Yarn Mills, Belton, plans textile mill, here. $45,000. Engineer and architect not selected.

Wash., Longview—MILLS—Weyerhauser Timber Co., Tacoma Bldg., Tacoma, plans 3 lumber mills on 700 acre site, here.

Calif., Fruitvale — FACTORY — J. W. Plachek, archt., Mercantile Bank Bldg., Berkeley, soon lets contract 2 story, concrete factory, 900 High St., here, for Pacific Spring Co. $50,000.

Calif., Hollister — WAREHOUSE — California Co-operative Canneries, plans 200 x 200 ft. concrete warehouse, etc. addition. $100,000.

Calif., San Francisco—PLANT—Electric Storage Battery Co., 671 North Broad St., Phila., Pa., plans assembling, shipping plant and warehouse, 3rd St. north of Paul Ave., here. $200,000.

Que., Three Rivers—PAPER MILL—St. Maurice Paper Co., Montreal, having plans prepared by G. Ferguson, 504 West 53rd St., New York City, for paper mill, here. $6,000,000.

BIDS DESIRED

Mass., Roxbury (Boston P. O.)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

N. J., Edgewater—FACTORY—Sept. 15, by Lockwood, Greene & Co., engrs., 400 North Michigan Blvd., Chicago, Ill., 1 story, 82 x 120 ft., brick and steel factory, plain foundation, here, for Palmolive Co., 42 4th St., Milwaukee, Wis., and 360 North Michigan Blvd., Chicago, Ill. $200,000.

Pa., Phila.—POWER HOUSE and LAUNDRY—See "Buildings—Commercial."

Ark., Fayetteville — LAUNDRY — See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Jamaica Plain (Boston P. O.)—PLANT—Haffenreffer Co., Germain St., 1 story, 102 x 146 ft., brick and steel hopper building addition, to J. M. and J. C. Buckley, 164 Federal St., Boston. Archts. est. $40,000.

Mass., Malden (Boston P. O.)—PLANT—Boston Rubber Shoe Co., 130 Essex St., Boston, 3 story, brick and timber, Commercial St., here, to Central Eng. & Constr. Co., 210 Main St., Pawtucket, R. I. Archts. est. $50,000. Noted July 30.

Mass., Roxbury (Boston P. O.)—PRINTING PLANT—Oliver Ditson Co., 179 Tremont St., Boston, altering and constructing 5 story, rein.-con., brick and steel addition, Newton and Terrace Sts., here, to J. F. Fitzgerald Constr. Co., Old South Bldg., Boston. Archts. est. $40,000.

Mass., Roxbury (Boston P. O.)—REPAIR SERVICE GARAGE and BOILER ROOM—M. N. Tracy, c/o Kennedy & Olmstead, archts., 80 Boylston St., Boston, will build 1 story, rein.-con., Lambert Ave., here, by day labor. Archts. est. $40,000.

Mass., Worcester — GARAGE — C. D. Parker & Co., 150 Congress St., Boston, 2 story, rein.-con. and steel, Myrtle and Burnside Sts., to Fred T. Ley Co., 230 Boylston St., Boston. Archts. est. $160,000. Y. D. Service Garage Inc., c/o owner, lessee. Noted July 16.

Mass., Worcester — FACTORY — Belisle Printing & Publishing Co., 17 Federal St., 2 story, 55 x 60 ft., brick and stone, Salem and Myrtle Sts., to L. Rocheford & Son, 44 Front St. Archts. est. $40,000.

N. J., Vineland—FACTORY — Kimball Glass Co., 3 story and basement, 90 x 100 ft., rein.-con. and brick, plain foundation, to W. P. Cameron Eng. Co., Witherspoon Bldg., Phila., Pa. Archts. est. $70,000.

Pa., Phila.—FACTORY—Consolidated Cigar Co., 11th and Wharton Sts., 5 story and basement, 64 x 71 ft., rein.-con., brick and steel addition, plain foundation, 11th and Wharton Sts., to J. N. Gill Constr. Co., City Center Bldg. Archts. est. $100,000.

Pa., Tarentum—WAREHOUSE — C. L. Flaccus Glass Co., 2nd Ave., general contract 1 story, 70 x 120 ft. warehouse, to Cuthbert Bros., Bessemer Bldg., Pittsburgh.

W. Va., Huntington—PRINTING PLANT—Huntington Herald Dispatch, 4 story and basement, 60 x 2.5 ft., rein.-con. and steel, 5th Ave. and 9th St., to C. W. Hancock & Sons, Lynchburg. Archts. est. $150,000.

N. C., Charlotte—SILK MILL—Veritas Silk Mills Co., 509 30th St., New Brunswick, 1 story, 80 x 100 ft., Charles St., to J. A. Jones Constr. Co., Realty Bldg., approximately $50,000.

O., Cleveland—BOILER HOUSE—Amer. Steel & Wire Co., J. N. Fleming, purch. agt., Rockefeller Bldg., concrete work for 1 story and basement, 106 x 140 ft., boiler house, along Cuyahoga River, to Dravo Contg. Co., Pittsburgh, Pa., Archts. est. $300,000. Noted July 2.

O., Cleveland—FACTORY—Bender Body Co., c/o T. Kundtz, Jr., 6409 Barberton Ave., 1 story and basement, 150 x 360 ft., brick and steel addition, to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $150,000. Noted Oct. 2, 1924.

O., Cleveland — FACTORY — Cleveland Toilet Supply Co., A. P. Shupe, secy., 2139 East 18th St., 2 story and basement, 70 x 125 ft., brick, steel and concrete, to L. Dantel & Son Co., 5710 Hough Ave. Archts. est. $50,000.

O., Cleveland—FACTORY—Draper Mfg. Co., C. T. Draper, pres., East 91st St. and Crane Ave., 1 story, 100 x 111 ft., brick and steel addition, to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $60,000.

Mich., Jackson—FACTORY — Morrison Metal Stamping Co., 1 story, 118 x 150 ft., brick and steel factory, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $75,000.

Ill., Chicago—FACTORY—General Etching Co., 312 South Hamilton Ave., general contract 1 story, 135 x 260 ft., 3070-3082

Buildings—Industrial (Continued)

West Grand Ave., to Holton Seelye Co., 204 South Dearborn St.

Ill., Chicago—SILK MILL—Oscar Heineman Corp., 2701 Armitage Ave., 4 story and basement, 126 x 129 ft., rein.-con., North Washtenaw Ave. near Armitage Ave., to R. C. Wieboldt Co., 1534 West Van Buren St. Archts. est. to exceed $300,000.

Ill., Chicago—FACTORY—Victor Mfg. & Gasket Co., 5750 West Roosevelt Rd., general contract 3 story, 101 x 158 ft., 1101 South Menard Ave., to Schmidt Bros. Constr. Co., 22 East Huron St. Archts. total est. $125,000.

Ill., Rockford—PLANT—Barber-Colman Co., River and Loomis Sts., 2 story, 80 x 130 ft., tool manufacturing plant, rein.-con. and steel, to Holm-Page Co., 2117 Kishwaukee St. Archts. est. $40,000.

Ark., Fayetteville—LAUNDRY—Vickers Cleaning & Dyeing Co., R. Vickers, pres., will build 1 story, 150 x 166 ft., concrete and brick addition, Dickson and School Sts. Work will be done by separate contracts. Archts. est. $65,000.

Tex., New Braunfels — ELECTRIC PLANT — Comal Power Co., c/o W. B. Tuttle, pres., Terrel Rd., San Antonio, general contract rein.-con., brick and steel, 30,000 kw. capacity, to U. G. I. Contg. Co., Broad and Arch Sts., Phila., Pa.; turbines, to Westinghouse Mfg. & Electric Co., East Pittsburgh, Pa., boilers, to Babcock-Wilcox Co., 85 Liberty St., New York City. Approximately $3,000,000. Noted Aug. 27.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—WAREHOUSE and GARAGE—Morgans, Inc., 755 Washington St., plans 6 story, brick, 1022 Massachusetts Ave. $150,000 or more. Engineer and architect not selected.

Mass., Springfield—HOTEL—A. Freedman, 214 Belmont Ave., having plans prepared by J. W. Foster, 105 Bridge St., 6 story and basement, 43 x 56 x 116 ft., brick, steel and rein.-con. hotel. To exceed $150,000.

Conn., Hartford — BUSINESS — Owner, c/o H. H. Hunt, 50 State St., plans business building, State St., $150,000 or more. Engineer and architect not selected.

Conn., Norwich—HOSPITAL—State, F. M. Salmon, comptroller, State House, Hartford, receiving competitive plans until Sept. 28, 3 brick and timber buildings, incl. patients' ward, employers and administration building, at Tuberculosis Hospital, here. $125,000-$150,000. Engineer and architect not selected. Noted July 16.

Conn., Storrs—DORMITORY—Storrs Agriculture College, F. M. Salmon, state comptroller, State House, Hartford, having plans prepared by D. K. Perry, 17 Court St., New Britain, 3 story, 30 x 154 ft. men's dormitory with two 28 x 54 ft. ells, brick and steel, $158,000. Noted July 9.

N. Y., New York—APARTMENT—Kinser Realty Corp., c/o C. Kreymborg & Son, archts. and engrs., 2534 Marion Ave., having plans prepared 6 story, brick, stone and steel, Freeman St. $175,000.

N. Y., New York—APARTMENT—Naples Holding Corp., c/o S. V. Becker, archt. and engr., 1301 Boston Rd., having plans prepared 5 story, 90 x 140 ft., brick and steel, plain foundation, Kingsbridge Ave. $300,000.

N. Y., New York — APARTMENT — J. Weroff Building Corp., c/o S. V. Becker, archt. and engr., 1301 Boston Rd., having plans prepared 6 story 96 x 100 ft., brick, stone, and steel, plain foundation, Union Ave. and 156th St. $200,000.

N. Y., New York — APARTMENT — M. Dwight, c/o J. C. Mackenzie, Jr., archt. and engr., 4 East 39th St., having plans prepared 6 story, brick, steel and stone, plain foundation, East 105th St.

N. Y., New York—BANK and OFFICE—Seamans Bank for Savings, 76 Wall St., soon takes bids 13 story, 90 x 140 ft., brick, steel and stone, plain foundation, Wall and Pearl Sts. $2,000,000. B. W. Morris, 101 Park Ave., archt. and engr. This corrects report in Aug. 13 issue.

N. Y., New York—OFFICE—Griggs, Baldwin & Baldwin, 27 Pine St., plans 15 story, 100 x 200 ft., brick, steel and stone, plain foundation, Lexington Ave. and 27th St.

N. Y., New York—OFFICE and SHOW ROOM—Packard Motor Car Co., Bway. and 61st St., plans brick, steel and stone, plain foundation, Bway. and Sherman Ave. $150,000. Engineer and architect not selected.

N. Y., New York—THEATRE—W. Fox, 10th Ave. and 50th St., plans theatre East Tremont Ave. $1,500,000. Private plans.

Pa., Media—JAIL—Delaware Co. plans jail, near here. $300,000. Engineer and architect not selected.

Pa., Phila.—APARTMENT—Owner, c/o I. Stern, Flanders Bldg., plans 10 story and basement, 110 x 150 ft., 18th and Rittenhouse Sts.

Pa., Phila.—OFFICE—Stroud & Co., c/o E. B. Robinette, 1429 Walnut St., plans 8 story and basement, 25 x 170 ft. office, 1508 Walnut St.

Md., Baltimore—APARTMENT—M. Stein, 9 North Liberty St., postponed until Spring, construction 8 story and basement hotel, Lake Dr. and Eutaw Pl. $350,000. Noted June 25.

N. C., Greensboro—HOTEL—Greensboro Bank & Trust Co., plans 17 story and basement hotel. $900,000.

Tenn., Memphis—HOSPITAL—Memphis Eye, Ear, Nose & Throat Hospital, C. J. Haase, 152 Madison St., pres., having tentative plans prepared by Jones & Furbringer, Porter Bldg., 3 story and basement, rein.-con. and brick, Madison Ave. and Somerville St. $200,000.

Ky., Louisville — APARTMENT—George & Zimmerman, archts., Meyer-Kiser Bank Bldg., Indianapolis, Ind., preparing plans 3 story and basement, concrete apartment, here. $150,000. Owner's name withheld.

O., Akron—AUTO SALES and SERVICE Mankin-Ferris Co., c/o Studebaker Agency, 422 West Exchange St., had plans prepared by F. W. Striebinger, 1900 Euclid Bldg., Cleveland, 3 story and basement, 76 x 130 ft., brick, steel and concrete, West Market St. $150,000.

O., Cincinnati—APARTMENT — Ludlow Realty Co., Provident Bank Bldg., having plans prepared by O. Schwartz, Provident Bank Bldg., 3 story and basement, rein.-con. and brick, plain foundation, Ludlow St. $500,000.

O., Cincinnati—HOSPITAL—University of Cincinnati, Clifton Ave., having plans prepared by S. Hannaford & Sons, Dixie Terminal Bldg., 9 story and basement, rein.-con., and brick, plain foundation, Eden Ave. $400,000.

O., Cleveland—FIRE STATIONS—Dept. Pub. Safety, E. D. Barry, dir., City Hall election Nov. 3, $250,000 bonds, brick, steel and concrete fire stations. H. Kregelius, City Hall, engr.

O., Cleveland—HOUSE of CORRECTION, etc.—City, F. S. Harmon, dir. Pub. Welfare, City Hall, plans 1 and 3 story women's building at Correction Farm, $415,000, and tuberculosis pavilion $108,000 on Warrensville St. H. Kregelius, City Hall, archt.

O., Cleveland—SERVICE—City, F. S. Harmon, dir. Pub. Welfare, City Hall, plans 2 story, brick, steel and concrete, service building at city hospital, Scranton Rd. $150,000. H. Kregelius, City Hall, archt.

O., Lorain—HOSPITAL—St. Joseph Hospital, having plans prepared by P. Rissman, 538 Bway., 4 story and basement, brick, steel and concrete addition. $200,000.

Mich., Detroit—APARTMENT—Weinberg & Gothold, archts., 401 Congress Bldg., preparing plans 4 story and basement, 94 x 130 ft., brick, steel and concrete, East Jefferson Ave., $250,000. Owner's name withheld.

Mich., Detroit—APARTMENT—T. C. Hughes, archt., 2615 Joy Rd., preparing plans 4 story and basement, 80 x 100 ft., brick and steel, East Grand Blvd. $175,000. Owner's name withheld.

Mich., Detroit—HOTEL—J. J. Barlum, 206 East Grand River Ave., having plans prepared by Bonnah & Cahfee, 300 Barlum Bldg., 20 story and basement, 100 x 120 ft., brick, steel and rein.-con., Cadillac Sq. $2,500,000.

Mich., Iron Mountain—CLUB—Knights of Columbus, A. Miench, chn. Building Com., soon takes bids 3 story and basement, 52 x 134 ft., brick and concrete club house and business building, plain foundation. $150,000. J. W. Smith, Iron Mountain, archt.

Ill., Chicago—HOSPITAL, etc.—Cook Co. having plans prepared by Hall, Lawrence, Rippel & Ratcliffe, 123 West Madison St., hospital additions, incl. 8 story, children's hospital, 7 story, Men's Ward, 3 story receiving building, etc.

Ill., Chicago—JAIL and COURT BUILDINGS—Cook Co. having plans prepared by E. E. Hall, 123 West Madison St., jail and criminal court buildings, West 26th St. and California Ave. $2,500,000.

Ill., Chicago—OFFICE—Standard Oil Co. of Indiana, 910 South Michigan Blvd., having plans prepared by Graham, Anderson, Probst & White, 80 East Jackson St., 7 story, 134 x 231 ft., rein.-con., brick and steel addition, 910 South Michigan Blvd. $2,000,000.

Ill., Chicago—OFFICE—J. Morton, 80 East Jackson St., having plans prepared by Graham, Anderson, Probst & White, 80 East Jackson St., 18 story and basement, 100 x 182 ft., probably rein.-con. and steel, Wells and Washington Sts.

Kan., Dodge City — HOSPITAL — Protestant Hospital Assn., had revised plans prepared by Mann & Co., 722 Rorabaugh-Wiley Bldg., 3 story and basement, 25 x 172 ft., rein.-con., brick and stone hospital. $150,000. Noted Jan. 1.

Mo., Farmington—COURT HOUSE—St. Francis Co. voted $259,000 bonds, for court house.

Tex., Brownsville— HOTEL — Kelwood Co., archts., 906 Travis Bldg., San Antonio, soon takes new bids 6 story and basement, 150 x 200 ft., rein.-con. and brick, tourist hotel, here, for L. B. James & A. D. Dickinson. $400,000. Former bids rejected. Noted Aug. 20.

Tex., San Antonio—HOTEL—T. B. Baker Hotels, c/o T. B. Baker, Gunter Hotel, had plans prepared by H. S. Green, archt. and engr., Alamo Natl. Bank Bldg., 4 story, rein.-con., brick and stone addition to Gunter Hotel, plain foundation, St. Mary's St., between Houston and Travis Sts. $1,500,000.

Tex., San Antonio—OFFICE—T. B. Baker and associates, c/o Gunter Hotel, having plans prepared by H. S. Green, Alamo Natl. Bank Bldg., 15 story and basement, rein.-con., brick and stone, plain foundation, Jefferson St., between Houston and Travis Sts. $2,000,000.

Tex., San Angelo—TEMPLE—Masonic Temple 570, c/o J. A. Thomas, worshipful master, plans brick, stone and rein.-con. temple. $150,000. Engineer and architect not selected.

Tex., San Benito—HOTEL—H. J. Pickney, c/o Cliff Hotel, 204 East Jefferson St., Dallas, plans 50 or 60 room, brick, stone and rein.-con. hotel, here. $150,000. Engineer and architect not selected.

Okla., Alva — HOTEL — Alva Hotel Co. had plans prepared by U. G. Charles & Co., 601 Schwieter Bldg., Wichita, Kan., and soon takes bids 6 story and basement, 75 x 75 ft., plain foundation, Main St. $165,000.

Okla., Oklahoma City — HOSPITAL — A. L. Blesh, 301 West 12th St., having preliminary plans prepared by M. Moore, 330 East 10th St., doctors' clinic in connection with Wesley Hospital, 3 story and basement, 125 x 140 ft., rein.-con. and brick, plain foundation, 12th St. $250,000.

Okla., Ponca City—THEATRE—G. H. Brett, having plans prepared by Smith & Senter, Okmulgee, 3 story and basement, 60 x 140 ft. rein.-con., plain foundation, Grand St. $160,000.

Okla., Ponca City—THEATRE, STORE and OFFICE—E. Wetzel et al, having preliminary plans prepared by Smith & Senter, Okmulgee, 2 story and basement, 60 x 100 ft., and 55 x 65 ft., rein.-con., brick and stone, plain foundation, Grand Ave. $150,000. Noted Aug. 27.

Ariz., Tucson—HOTEL—Tucson Tourists Hotel Co., 52 East Congress St., having plans prepared by H. O. Jaasted, North Stone Ave., 40 room main and eight 5 room buildings. $300,000. Noted Apr. 30.

Calif., Fresno—COURT HOUSE—Election Oct. 6, $350,000 bonds, additions to courthouse.

Calif., Hillsborough—TOWN HALL, etc. —Plans election $60,000 bonds for town hall, fire stations, jail, etc.

Calif., Los Angeles—HOSPITAL—Hospital of Good Samaritan, 1243 Wilshire Blvd., having plans prepared by R. D. Johnson, 608 Union Bank Bldg., 10 story and basement, rein.-con. Shatto St. near Witmer St. $1,000,000.

Calif., San Diego—DEPOT, HOTEL, etc. —Pickwick Corp., having preliminary plans prepared by O'Brien Bros., 315 Montgomery St., San Francisco, 7 story, rein.-con. depot, hotel and store building. $600,000.

Calif., Santa Barbara—COURT HOUSE —Supervs. Santa Barbara Co., election Nov. 10, $1,000,000 bonds, courthouse and rebuilding hospital. Noted July 23.

Ont., London—HOTEL—Lynch Constr. Co. (owners and archts.), plans 100 East 42nd St., New York City, N. Y., 6 and 8 story, 250 x 350 ft., brick and steel hotel, Wellington St. $1,000,000.

BIDS DESIRED

N. H., Manchester — OFFICE — H. N. Bond, 913 Elm St., taking bids 5 story and basement, 50 x 100 ft., brick and stone, Elm and Concord Sts. To exceed $150,000 C. R. Whitcher, 814 Elm St., archt.

Mass., Boston—HOME—Old Peoples Home, M. Morse, chn. Hotel Avery, taking bids 3 story and basement, 70 x 90 ft. home, two 30 x 90 ft. dormitories and heating plant, rein.-con. and brick, plain foundation, King, Queen and Train Sts. $500,000. Krokyn, Browne & Rosenstein, 220 Devonshire St., archts. Noted July 2.

Mass., Brookline (Boston P. O.) — APARTMENT — Pelham Hall, Inc., c/o A. H. Bowditch, archt., 44 Bromfield St., Boston, taking bids 8 story and basement, 128 x 190 ft., brick, stone and steel, Beacon and Pleasant Sts. To exceed $150,000.

Buildings—Commercial (Continued)

Mass., Cambridge (Boston P. O.)—STORE—S. Berenson, Old South Bldg., Boston, taking bids 5 story and basement, 50 x 128 ft., rein.-con., brick and stone, Trowbridge St., here. $200,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts.

Mass., Hyde Park (Ind. sta. Boston)—BANK — Hyde Park Co-Operative Bank, Everett Sq., taking bids 2 story and basement, 45 x 75 ft., rein.-con., brick and steel, Everett Sq. $150,000. O. A. Thayer, 89 Franklin St., Boston, archt. Noted Sept. 3.

Mass., Worcester—HOSPITAL — Memorial Hospital, Belmont St., taking bids 4 story and basement nurses' home, and 1 story hospital addition, brick. To exceed $150,000. Fuller & Delano Co., 44 Front St., archts. Kendall, Taylor & Co., 142 Berkley St., Boston, associated archts. Noted May 21.

Mass., Worcester—HOSPITAL—Sept. 15, by W. A. Merrill, bus. agt. Dept. Mental Diseases, State House, Boston, 1 story and basement, 40 x 80 x 96 x 150 ft., brick and stone congregate dining room, here. Worcester State Hospital, here, $150 000, also separate bids heating and ventilating in same, $25,000, C. P. Hoyt, 8 Beacon St., Boston, archt.

R. I., Providence — HOSPITAL — Rhode Island Hospital, 593 Eddy St., taking bids 3 story and basement, rein.-con. and brick wing addition. To exceed $150,000. Clarke & Howe, Turks Head Bldg., archts. Noted Feb. 19.

Conn., New London—BUSINESS and THEATRE—A. W. Johnson, archt., 70 East 45th St., New York City, taking bids 4 story, brick and steel, State St. for A. S. Friend, c/o architect. $300,000-$350,000. Noted Aug. 20.

N. Y., Marcy—HOSPITAL—Sept. 23, by State Hospital Comn., Albany, construction and marble slab work in buildings for acute and chronic patients, at Utica State Hospital, Marcy Div., here. Adv. E. N.-R. Sept. 10.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—LOFT—See "Contracts Awarded."

N. Y., Utica—HOSPITAL—Sept. 16, by State Hospital Comn., Albany, for construction, fire protection and exit facilities for Utica State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Sept. 10.

N. J., Skillman—NURSES' HOME, etc.—Sept. 15 (extended date) by Bureau Institutions & Agencies, Trenton, staff house, nurses' home, doctors' cottage, etc., here. $150,000. A. B. Mills, State Office Bldg., Trenton, archt.

Pa., Phila.—HOSPITAL—Sept. 14, by A. W. Barnes, archt., Perry Bldg., 3 story and basement, 36 x 103 ft. nurses' home, 3 story and basement, 36 x 70 ft. dispensary, 2 story and basement, 36 x 42 ft. hospital, also 1 story and basement, 34 x 63 ft. power house and laundry, all rein.-con., brick and steel, plain foundation, 8th, Franklin and Thompson Sts., for Children's Homeopathic Hospital.

Ala., Mobile—THEATRE—Sept. 24, by E. Weil, archt., Whitney Bank Bldg., New Orleans, La., 1 story and balcony, 3,500 seating capacity, rein.-con. and steel Joachim St. between Conti and Dauphine Sts., here, for Saenger Amusement Co. $750,000. Noted Sept. 3.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—Cedar-Glen Co., c/o S. H. White, archt., 1032 Schofield Bldg., taking bids 3 story and basement, brick, steel and concrete, Cedar and Ambleside Aves. $500,000.

Ill., Chicago—GARAGE—Sept. 15, by H. L. Newhouse, archt., 4623 Drexel Ave., 8 story and basement, rein.-con., Wells and South Water Sts., for Uhlman & Eichengreen, 171 West South Water St.

Neb., Grand Island—APARTMENT—See "Contracts Awarded."

Tex., Corsicana—JAIL—Sept. 18, by Southern Steel Co., archts., 4500 Blk. S. Presa, San Antonio, 3 story, brick, stone and rein.-con., here, for Navarro Co., c/o W. Hicks, judge. $150,000.

Calif., Long Beach—HOTEL—F. B. Dunn, 2315 East 7th St., Los Angeles, taking bids 12 story, 125 x 232 ft., brick and terra cotta, Ocean Ave. between Locust St. and Collins Way. $1,000,000. Walker & Eisen, 701 Great Republic Life Bldg., Los Angeles, archts. Noted June 25.

Calif., Sacramento — AUDITORIUM — Sept. 17, by City Council municipal auditorium. $750,000. J. S. Dean, State Life Bldg., archt.

B. C., Vancouver—HOSPITAL—Sept. 18, by City Council, 3 story 40 x 220 ft., rein.-con. hospital, plain foundation. $250,000. A. J. Bird, city building inspector. Noted Jan. 1.

BIDS RECEIVED

R. I., Newport—CITY HALL—City, Town Clerk's Office, 3 story and basement, brick and steel, plain foundation, Bway., from Greany & Sherry, Fall River Natl. Bank Bldg., Fall River, $227,840. Noted Aug. 27.

CONTRACTS AWARDED

Mass., Allston (Boston P. O.)—STORE—M. Dana, 20 Pemberton Sq., 2 story and basement, 90 x 100 ft., brick and stone, plain foundation, Harvard Ave., to J. Imhoff, 51 Chestnut Ave., Jamaica Plain. Archts. est. $150,000. Noted Aug. 27.

Mass., Boston—HOSPITAL—Bd. Trustees Boston Sanitorium, City Hall, 5 story and basement, 65 x 75 ft., out patient building, brick and stone, 57-61 Concord St., to J. B. Dolan, 43 Tremont St., $173,440. Noted Sept. 3.

Mass., Boston—HOTEL—Hotel Kenmore, 496 Commonwealth Ave., will alter and construct 9 story and basement, brick and steel addition, by day labor. $150,000 or more. Private plans.

Mass., Brookline (Boston P. O.)—WAREHOUSE—S. S. Pierce Co., 69 Tremont St., Boston, 6 story and basement, 110 x 375 ft., brick, Brookline and Burlington Aves., to M. C. Tuttle Co., Park Sq. Bldg., Boston. Archts. est. to exceed $150,000.

Mass., Northampton—HOSPITAL—W. A. Merrill, bus. agt. Dept. Mental Diseases, State House, Boston, 2 story and basement, brick ward building, at Northampton State Hospital, here, to LaFrance Constr. Co., 292 Maple St., Holyoke, $109,997. Noted Aug. 27.

Mass., Quincy (Boston P. O.) — HOSPITAL — City, P. E. Barbour, mayor, 3 story, 40 x 160 ft., brick and steel, to Curtis & Swift, Inc., 38 Kilby St., Boston, $116,261. Archts. est. $150,000. Noted Sept. 3.

Conn., Middletown—THEATRE—S. and S. Corp., 49 Rappallo Ave., 2 story and basement, 60 x 150 ft., brick and steel, Main St., to Tracy Bros. Co., 52 Benedict St., Waterbury. Archts. est. $150,000. Noted July 30.

N. Y., Coney Island (Brooklyn P. O.)—HOTEL—Amer. Hotel Co., 25 West 45th St., New York City, 17 story, brick, steel and stone, plain foundation, Boardwalk and 29th St., here, to Cauldwell-Wingate, 381 4th Ave., New York City. Noted June 25.

N. Y., Creedmoor (Jamaica P. O.)—HOSPITAL—State Hospital Comn., Albany, constructing Hospital Buildings A, B, C, H, I, K, L, M, N, T, X, Y, EE, FF, HH, etc., to De Riso Bros., Inc., 52 East 42nd St., New York City, $3,287,990; heating, to Gillis & Geohegan, 537 West Bway., New York City, $388,800; refrigeration, to Carbondale New York Co., Carbondale, $62,259. Noted June 18.

N. Y., New York — APARTMENT — J. Tishman & Sons, Inc., 280 Madison Ave., will build 14 story, 55 x 102 ft., brick, steel and stone, plain foundation, Park Ave. and 19th St. $3,000,000. Work will be done by separate contracts. Schwartz & Gross, 347 5th Ave., archts. and engrs.

N. Y., New York—LOFT—C. Glaser, 1451 Bway., will build 12 story, 50 x 100 ft., brick, steel and stone, plain foundation, 214 West 28th St. Work will be done by separate contracts.

Pa., Phila. — HOSPITAL—Pennsylvania Hospital, 2 story and basement, 43 x 240 ft., rein.-con., brick and steel, plain foundation, 49th and Market Sts., to Irwin & Leighton, 126 North 12th St. Archts. est. $250,000. Noted Aug. 20.

Pa., Phila.—HOSPITAL—Dept. Health, W. Krusen, dir., City Hall, plumbing for General Hospital, 34th and Pine Sts., to N. Connolly, 1404 North 15th St., $288,200; heating and ventilating, to W. Anderson, 600 Schuylkill Ave., $446,145; electrical work, to Ross Electric Contg. Co., 106 Fairmount Ave., $239,800. Grand total $974,145. Noted Aug. 20.

Pa., Phila.—THEATRE—W. Freihofer, Land Title Bldg., 1 story and basement, 93 x 197 ft., rein.-con., brick and steel, plain foundation, Frankfort Ave. and Margaret St., to G. Kessler Constr. Co., 1733 Mervine St. Archts. est. $150,000.

Pa., Phila.—SALES, SERVICE and REPAIR—Thornton-Fuller Auto Co., Parkay and 18th Sts., 4 story and basement, 300 x 300 ft., rein.-con. and brick, plain foundation, 24th and Bainbridge Sts., to W. Steele & Sons Co., 219 North Broad St. Archts. est. $1,000,000.

Pa., Phila.—WAREHOUSE—J. E. Bullock, archt., 34 South 17th St., 3 story and basement, 66 x 168 ft., brick and steel, concrete pile foundation, 10th and Erie Sts., to A. R. Raff Co., 1636 Thompson St., for Tomlinson Holding Corp., c/o architect. Noted June 25.

Pa., Pittsburgh — GARAGE — Pittsburgh Parking Co., Inc., c/o Dilworth Porter Co., general contract 9 story and basement, 120 x 145 ft., 6th Ave., to Mellon Stuart Co., Oliver Bldg. Archts. est. $400,000. Noted July 30.

Md., Baltimore—APARTMENT — Abell Building Co., Calvert Bldg., will build 4 story and basement, 107 x 175 ft., rein.-con., brick, plain foundation, Park Heights Ave. near Charlesworth Rd. $300,000. F. A. Fletcher, 407 North Charles St., archt.

Md., Baltimore—WAREHOUSE, etc.—E. J. Wachter, 20 East Mt. Vernon Pl., 7 story, 86 x 88 ft., rein.-con., brick, plain foundation, Liberty and Redwood Sts., to Consolidated Eng. Co., 20 East Franklin St., $150,000.

Fla., West Palm Beach (Palm Beach P. O.)—HOTEL—Ritz-Carlton Hotel Corp., 46th St. and Madison Ave., New York City, N. Y., hotel, at Boca Raton, near here, to Dwight P. Robinson & Co., 125 East 46th St., New York City, N. Y., for Mizner Development Corp., Boca Raton. $4,000,000.

O., Cincinnati—APARTMENT — Walnut Hills Apartment Co., 303 Provident Bank Bldg., 5 story and basement, rein.-con. and brick, plain foundation, Woodburn Ave., to Erwin-Schwartz Co., 303 Provident Bank Bldg., $350,000. Noted Aug. 7.

O., Cleveland — COMMERCIAL and APARTMENT—F. S. Jones, 1521 Guardian Bldg., 3 story and basement, 75 x 150 ft., brick and steel, Hough Ave. and Crawford Rd., to Walker-McDonald Co., 1351 East 93rd St. Archts. est. $150,000. Noted July 16.

Ill., Chicago—OFFICE and STORE—Wabash-Monroe Building Corp., E. A. Jackson, pres., 608 South Dearborn St., 16 story and basement, 76 x 170 ft., Wabash Ave. and Monroe St., to G. A. Fuller Co., 140 South Dearborn St. Archts. est. $3,000,000.

Minn., St. Paul — NURSES HOME — St. Josephs Hospital, 9th and Exchange Sts., general contract 6 story and basement, rein.-con., brick and stone, on hospital site, to F. C. Norlander, 408 Metropolitan Bank Bldg. Archts. total est. about $275,000.

Kan., Topeka—HOTEL and THEATRE—Crosby Bros. et al., 7th and Jackson Sts., 12 story and basement, rein.-con., brick, stone, steel and terra cotta hotel and 3 story and basement, 74 x 125 ft. theatre adjoining hotel, 7th and Jackson Sts., to J. M. Leeper, 7th and Holliday Sts. Noted Sept. 3.

Neb., Grand Island—APARTMENT—W. D. Boyll will build 3 story and basement, 30 x 80 ft., 40 x 82 ft., and 38 x 118 ft., rein.-con. and brick apartment, by day labor. $150,000.

Neb., Grand Island—TEMPLE—Masonic Temple Building Com., general contract, 6 story and basement, rein.-con., here, to Goehring Sothman Co., Grand Island, $127,-778. Noted Aug. 20.

Neb., Lincoln—AUDITORIUM— University of Nebraska Athletic Bldg. Assn., 1 story, balcony and basement, 52 x 118 ft., and 63 x 247 ft. rein.-con., brick and steel auditorium, to W. J. Assenmacher Co., 626 North 17th St., $250,000.

Neb., Omaha—OFFICE—Owner, B. Kulp, trustee, 3158 West Madison St., Chicago, Ill., general contract, 17 story, basement and sub-basement, 88 x 132 ft., rein.-con. and steel, 17th and Dodge Sts., to Seldon-Breck Constr. Co., Fullerton Bldg., St. Louis, Mo. $800,000.

Wash., Seattle — BANK — J. Graham, archt., Dexter Horton Bldg., 3 story and basement, 70 x 235 ft., brick and terra cotta, 1st and Spring Sts., to H. Pederson, 301 North 73rd St., for Washington Mutual Savings Bank, 1st and Spring Sts., $175,-000 cost plus percentage basis.

B. C., Vancouver—STORE—Hudson Bay Co., Granville and George Sts., superstructure 6 story and basement, 123 x 150 ft., rein.-con. department store, to Coster Hales-Aldingers Co., Bekins Bldg., $200,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Fitchburg—HIGH SCHOOL—City, N. P. Lawrence, chn. School Building Com., having plans prepared by Haynes & Mason, 280 Main St., 2 story, brick high school. $500,000. Noted Jan. 29.

Mass., Peabody—SCHOOL—City, Mayor's Office, City Hall, plans brick school. $150,000 or more. Engineer and architect not selected.

N. Y., Long Beach—SCHOOL—Bd. Educ., having plans prepared brick, steel and stone, plain foundation, Neptune Blvd. $300,000. Private plans.

N. J., Atlantic City—SCHOOL—City Comn., plans school, New Jersey and Artic Aves. $700,000. J. A. McNamee, city clk. Engineer and architect not selected.

N. J., Camden — SCHOOLS — Bd. Educ. Pensauken Twp., Aug. 21, rejected bids 2 schools, 1 on 55th St. and Forrest Ave. and

Buildings—Educational, Religious (Cont.)

other Wistaria and Lexington Aves. Will readvertise. I. T. Catharine, Franklin Trust Bldg., Phila., pa.; archt.

Pa., Phila.—SCHOOL—P. F. Getz, archt., Victor Bldg., rejected bids Sept. 1, 3 story and basement, 58 x 108 ft. parochial school, 4th and Brown Sts., for St Agnes Slovak Church, J. L. Yorke, pastor. Will readvertise.

Pa., Pittsburgh—SCHOOL—St. Bedes Roman Catholic Congregation, Dallas Ave., having plans prepared by W. P. Hitchins, 2nd Ave. and Smithfield St., 1, 2 and 3 story and basement, brick and stone, Dallas and Willard Aves $500,000.

O., Ashtabula—SCHOOL—Bd. Educ. takes bids in fall, 2 story and basement school, West Prospect St. $350,000.

O., Cleveland—SCHOOLS—Bd. Educ., having plans prepared by G. M. Hopkinson, East 6th St. and St. Clair Ave., Alexander Hamilton Junior High School, 3 story and basement, Kinsman and East 130th Sts., $990,000; Junior High School, 2 story and basement, Grovewood Ave., $825,000; and elementary school, 2 story and basement, Oak Park Ave., $385,000, all brick, steel and concrete.

Mich., Detroit—SCHOOL—Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohmen & Page, 2231 Park Ave., 2 story and basement, 200 x 200 ft., rein.-con., brick and steel, Clippert St. $400,000.

Ill., Chicago—HALL—University of Chicago, 230 South Clark St., having plans prepared by Coolidge & Hodgdon, 134 South La Salle St., Wieboldt Hall, 3½ story and basement, rein.-con. and stone hall, to be used as libraries, research rooms, etc., on campus. $1,000,000.

Ill., Urbana — PHARMACY — University of Illinois, having plans prepared by J. M. White, supervising archt., 256 Administration Bldg. of University, addition to School of Pharmacy, on campus. $350,000 appropriated. Engineer not selected.

Wis., De Pere—ABBEY—Norbertine Fathers, B. Pennings, pastor, having preliminary plans prepared by W. E. Reynolds, 113 South Roosevelt St., Green Bay, 2 story and basement, 100 x 164 ft., brick and concrete, plain foundation. To exceed $150,000.

Neb., Lincoln—SCHOOL—Bd. Educ., J. G. Ludlam, secy., soon takes bids, Park Grade School, 2 story and part basement, rein.-con., brick and stone, 9th and F Sts. $325,000. Davis & Wilson, 525 South 13th St., archts.

Tex., Coleman—HIGH SCHOOL—Bd. Educ., c/o B. F. Robey, secy., takes bids about Nov. 1, 2 story and basement, rein.-con. brick and stone high school, $150,000. W. G. Clarkson & Co., 606 1st Natl. Bank Bldg., Fort Worth, archt. Noted Aug. 20.

Tex., Dallas—SCHOOLS—Bd. Educ., c/o C. M. Moore, secy., Akard and Royal Sts., having plans prepared by C. D. Hill & Co., 801 Central Bank Bldg., Ruthmede School, 2 story, 88 x 206 ft., Pembroke and South Adams Sts., and Hay School, 2 story, 88 x206 ft. Gilbert and Herschel Sts. also having plans prepared by H. A. Overbeck, 306 Melba Bldg., 2 story and basement, 115 x 150 ft. addition to Bowie School, 7th and Lancaster Sts., all rein.-con., brick and stone. $150,000 each.

Okla., Norman—DORMITORIES—University of Oklahoma, c/o C. Rice, archt., Oklahoma City, soon takes bids two 3 story, 150 x 200 ft. rein.-con. and brick, plain foundation, near here. $150,000 each. J. Hicks, 908 Braniff Bldg., Oklahoma City, archt. Noted Apr. 23.

BIDS DESIRED

Mass., Haverhill—SCHOOL—School Bd., taking bids 2 story brick addition to Tilton School, Grove St. $200,000. Morse & Chase, 25 Washington Sq., archts. Noted June 18.

Mass., Jamaica Plain (Boston P. O.)—SCHOOL—St. James Roman Catholic Church, taking bids 2 story and basement, brick and stone school. $150,000. M. Sullivan, 100 Boylston St., Boston, archt.

Mass., Quincy (Boston P. O.)—HIGH SCHOOL—City, P. E. Barbour, mayor, taking bids Junior High School, 1 and 3 story and basement, 63 x 172 ft., and 82 x 138 ft., brick and stone, plain foundation, East

SUBWAY—PHILADELPHIA, PENN.

Bids were opened by Dept. City Transit, Aug. 18, for constructing portion of Broad Street Subway, in Broad Street, from north of Courtlandt Street to north of Grange Avenue, and in Grange Avenue from Broad to Marvine Streets; grading and construction of sewers, retaining walls and building foundations in Terminal Yard, Contracts Nos. 107-A and 107-B, (A) Patrick McGovern, Inc., 3427 North Broad St. (awarded contract); (B) Rodgers & Hagerty, Inc., 70 East 45th St., New York; (C) Booth & Flinn, Ltd., 17 Battery Pl., New York; (D) Frederick L. Cranford, Inc., & Locher & Co., Inc., 149 Remsen St., Brooklyn; (E) The Arundel Corp., Pier 2, Pratt St., Baltimore, Md. The unit bids are as follows:

	A	B	C	D	E
Subway construction in Grange Avenue and appurtenant work (lump sum)	$2,000,000.00	$2,250,000.00	$1,750,000.00	$1,998,000.00	$2,550,000.00
Utilized stored steel and iron					
838,000 lb. (a) not requiring alterations	.025	.03	.02	.025	.035
2,630,000 lb. (b) requiring alterations	.04	.04	.0325	.04	.05
Sewer crossing below tracks of Reading Company (lump sum)	30,000.00	50,000.00	15,000.00	30,000.00	45,000.00
Supporting Broad Street Bridge of Reading Company (lump sum)	60,000.00	100,000.00	50,000.00	50,000.00	90,000.00
600,000 cu.yd. subway excavation	7.30	8.75	10.50	11.00	10.00
7,400 cu.yd. excavation for pipes, sewers and conduits, etc	7.30	8.00	10.00	11.00	8.50
Surface excavation and grading in terminal yard:					
5,000 cu.yd. (a) stripping and piling of top soil	2.85	1.00	7.00	3.00	3.50
150,000 cu.yd. (b) excavating and grading	4.50	2.00	4.00	3.00	4.00
Underpinning:					
300 ft. of front (a) building 5 stories or less	80.00	70.00	50.00	75.00	105.00
50 ft. of front (b) buildings over 5 stories and less than 10 stories	80.00	100.00	80.00	150.00	135.00
10 cu.yd. (d) additional masonry for underpinning	50.00	50.00	50.00	40.00	50.00
Concrete masonry:					
60 cu.yd. (a) 1:1½:3	50.00	30.00	22.00	22.00	40.00
63,200 cu.yd. (b) 1:2:4	20.00	23.00	22.00	21.00	26.00
5,200 cu.yd. (c) 1:3:6	19.00	23.00	18.00	20.00	17.50
355 cu.yd. (d) 1:4:8	16.00	23.00	18.00	19.00	16.40
2,000 sq.ft. reinforced concrete sheeting	.50	1.50	2.50	2.00	1.50
2,000 bags cement grout	2.00	2.00	2.50	2.50	2.00
Granolitnic finish:					
10,400 sq.yd. (a) without abrasive	1.00	1.50	1.50	3.00	1.60
2,000 sq.yd. (b) with abrasive	2.35	2.90	2.50	3.00	3.00
150 cu.yd. brick masonry	65.00	50.00	35.00	50.00	36.00
200 cu.yd hollow terra cotta brick or tile masonry	60.00	50.00	35.00	50.00	34.20
3,300 sq.yd. vitrified brick sewer lining	7.00	8.00	10.00	4.50	6.00
Rubble masonry in mortar:					
5,170 cu.yd. (a) for piers and foundations	12.00	15.00	10.00	14.00	10.50
3,050 cu.yd. (b) for retaining walls and posts	14.00	22.00	12.00	14.00	13.00
100 cu.yd. dry rubble masonry	10.00	10.00	9.00	10.00	9.20
100 sq.yd. granite block sewer lining	6.00	8.00	6.50	6.00	5.90
290 cu.yd. broken stone or pebbles for drains, etc	5.00	4.00	5.00	4.00	5.70
Flagstones:					
400 sq.ft. (a) 2 in. thickness	.60	.80	.70	2.00	.85
100 sq.ft. (b) 4 in. thickness	1.00	1.25	1.10	3.00	1.45
100 sq.ft. (c) 6 in. thickness	3.00	3.00	2.50	4.00	2.20
Vitrified clay pipe:					
5,900 lin.ft. (a) 4 in. pipe	.40	1.00	.80	.50	.50
10,000 lin.ft. (b) 5 or 6 in. pipe	.70	1.50	.80	.60	.60
400 lin.ft. (c) 8 or 10 in. pipe	1.00	2.00	1.40	1.00	.90
8,300 lin.ft. (d) 12 in. pipe	1.25	2.50	2.00	2.00	2.40
10,150 lin.ft. (e) 15 in. pipe	2.00	3.00	2.60	2.50	3.50
900 lin.ft. (f) 18 in. pipe	4.00	5.00	3.75	4.00	4.45
100 lin.ft. (g) 20 in. pipe	4.75	5.50	4.50	5.00	5.10
1,330 lin.ft. (h) 24 in. pipe	6.30	7.00	6.00	7.00	6.60
655 lin.ft. (hh) 24 in. channel pipe	3.50	7.00	6.00	10.00	4.50
Extra-heavy cast-iron soil pipe:					
100 lin.ft. (a) 3 in.	.65	1.00	1.25	1.00	.90
100 lin.ft. (b) 4 in.	1.00	1.50	1.50	1.10	1.15
100 lin.ft. (c) 5 in.	1.20	2.00	2.00	1.50	1.70
4,000 lin.ft. (d) 6 in.	1.35	2.50	2.00	1.50	2.00
100 lin.ft. (e) 8 in.	2.50	3.00	3.00	3.00	3.40
100 lin.ft. (f) 10 in.	3.50	4.00	4.00	4.00	4.70
100 lin.ft. (g) 12 in.	4.00	5.00	6.00	5.00	6.00
60 building new manholes	350.00	400.00	450.00	300.00	265.00
200 vert. ft. building new wellholes	25.00	50.00	35.00	40.00	33.00
Inlets:					
2 (a) No. 1	300.00	300.00	275.00	200.00	330.00
23 (b) No. 2	275.00	300.00	300.00	200.00	260.00
3 (c) No. 3	260.00	300.00	300.00	200.00	220.00
Taking out and rebuilding inlets:					
7 (a) having standard pattern casting	100.00	150.00	225.00	150.00	330.00
2 (b) having old pattern casting to be replaced by standard pattern casting	200.00	250.00	225.00	250.00	330.00
58,000 sq.yd. asphalt mastic waterproofing	2.00	3.00	2.50	3.00	2.10
Fabric waterproofing:					
200 sq.yd. (a) 1-ply	1.25	1.50	1.25	1.00	1.05
400 sq.yd. (b) 2-ply	1.85	2.50	2.00	1.75	1.80
100 sq.yd. (c) 3-ply	2.75	3.50	2.50	2.00	2.50
100 sq.yd. (d) 4-ply	3.65	5.00	3.50	3.00	3.25
100 sq.yd. 1-ply dry roofing felt	1.10	1.50	1.50	1.50	.30

	A	B	C	D	E
10 cu. yd. brick in waterproofing compound	60.00	60.00	110.00	75.00	100.00
5,000,000 lb. riveted structural steel	.0675	.075	.07	.07	.065
12,800,000 lb. steel beams and shapes	.0675	.075	.07	.07	.06
9,350 sq. ft. steel gratings and frames	3.10	4.00	3.50	3.50	3.50
13,500 lb. miscellaneous—steel, ladders, stairs, plates, etc	.12	.20	.20	.15	.21
248,000 lb. tie rods, bolts, nuts, washers, dowels and anchor bolts	.10	.15	.10	.10	.18
10,000 lb. steel wire lath and anchors	.30	.20	.20	.20	.25
1,470,000 lb. steel reinforcing rods	.05	.06	.06	.05	.065
100 net tons interlocking steel sheet piling	25.00	150.00	105.00	150.00	125.00
Steel pipe piles:					
100 vert. ft. (a) 12 in.	1.00	10.00	10.00	10.00	8.90
500 vert. ft. (b) 15 in.	1.00	15.00	12.00	10.00	13.10
4,000 lb. wrought iron or steel pipe and size with fittings	.15	.20	.15	.20	.15
5 emergency exit covers	650.00	500.00	425.00	450.00	370.00
50,000 lb. cast iron frames and covers for manholes etc	.06	.10	.10	.10	.08
6,000 lb. miscellaneous iron castings other than manhole frames and covers	.08	.10	.17	.10	.12
10 10 in. grate top iron bell trap cesspools	10.00	12.00	15.00	20.00	7.90
200,000 ft. B.M. yellow pine lumber	50.00	100.00	75.00	100.00	120.00
Cast iron pipe, furnished, any size:					
45 net tons (a) bell and spigot straight	60.00	80.00	95.00	75.00	80.00
7 net tons (b) bell and spigot specials	175.00	200.00	190.00	200.00	120.00
Laying bell and spigot cast-iron pipe and specials:					
100 lin.ft. (a) 4 in.	.70	1.00	.60	1.00	.65
3,200 lin.ft. (b) 6 in.	.80	2.00	.75	1.00	.65
350 lin.ft. (c) 8 in.	1.15	2.50	1.10	2.00	1.00
620 lin.ft. (d) 10 in.	1.40	2.75	1.75	3.00	1.00
750 lin.ft. (e) 12 in.	1.80	3.00	1.80	3.00	1.30
Removing cast-iron pipe:					
100 net tons (a) bell and spigot straight and specials	20.00	30.00	20.00	25.00	26.00
Furnishing and setting bell end water gage valves:					
3 (a) 4 in.	40.00	50.00	30.00	50.00	26.00
6 (b) 6 in.	65.00	80.00	45.00	75.00	44.00
3 (c) 8 in.	80.00	100.00	90.00	100.00	70.00
3 (e) 12 in.	135.00	160.00	105.00	150.00	120.00
290 copper strainers	1.00	5.00	3.50	4.00	13.00
Vitrified clay ducts:					
30,800 duct ft. (a) 3 in.	.25	.30	.20	.30	.22
207,000 duct ft. (b) 3½ in.	.25	.30	.20	.32	.22
Fibre ducts:					
30,800 duct. ft. (a) 3 in.	.25	.25	.20	.30	.20
207,000 duct. ft. (b) 3½ in.	.25	.25	.20	.32	.21
Electrical conduits:					
1,500 lin.ft. (a) ¾ in.	.20	.30	.25	.60	.30
36,500 lin.ft. (b) 1 in.	.25	.35	.45	.60	.45
400 lin.ft. (c) 1¼ in.	.30	.50	.65	.70	.55
1,800 lin.ft. (d) 1½ in.	.35	.55	.75	.80	.60
400 lin.ft. (e) 2 in.	.40	.70	.85	1.50	.75
400 lin.ft. (f) 2½ in.	.80	1.10	.95	2.00	1.20
1,050 lin.ft. (g) 3½ in.	1.00	2.00	1.50	2.50	2.25
840 outlet boxes	2.00	1.50	2.75	2.00	2.00
140 pull boxes	6.00	3.00	7.50	3.00	4.00
160 reflector rings	2.00	10.00	6.00	15.00	6.30
Temporary lighting system	5,000.00	5,000.00	8,000.00	10,000.00	10,000.00
1,000 sq.yd. temporary brick sidewalk paving	2.30	3.50	2.50	3.00	3.30
Temporary granite block paving, gravel base:					
63,000 sq.yd. (a) for furnishing and laying new granite blocks	6.00	8.50	5.50	6.00	6.60
100 sq.yd. (b) for relaying granite blocks	6.00	3.50	1.75	5.00	2.00
Permanent roadway paving:					
2,000 sq.yd. (a) sheet asphalt	4.50	5.00	4.50	4.50	6.00
100 sq.yd. (b) bituminous concrete	4.50	5.00	4.00	4.50	6.00
100 sq.yd. (c) reinforced concrete	4.50	5.00	6.00	5.00	6.00
1,000 sq.yd. (d) smooth-dressed granite block	7.00	9.00	8.00	7.00	8.00
100 sq.yd. (dd) redressed granite block	5.00	7.00	5.00	7.00	6.00
400 sq.yd. (e) vitrified block	6.00	7.00	5.00	5.00	4.60
100 sq.yd. (f) wood block	6.00	7.00	5.00	6.00	4.60
Furnishing and laying curb:					
100 lin.ft. (a) 6 in. straight granite curb	3.50	3.50	3.50	3.50	3.60
6,000 lin.ft. (b) 8 in. straight granite curb	3.50	4.00	4.00	3.50	4.40
100 lin.ft. (c) 6 in. curved granite curb	4.75	4.50	7.00	8.00	4.40
480 lin.ft. (d) 8 in. curved granite curb	4.75	5.50	7.50	8.00	4.90
2,000 lin.ft. (e) 8 in. steel edge concrete curb	2.50	3.50	3.00	2.50	2.70
8,000 lin.ft. resetting curb	1.00	1.00	1.00	1.00	.80
Sidewalk paving:					
26,000 sq.yd. (a) new granolithic	3.00	3.00	2.90	3.00	3.00
500 sq.yd. (b) new brick	2.50	3.00	2.20	3.00	2.70
100 sq.yd. (c) laying flagstones	3.00	2.00	4.00	3.00	2.90
5,600 sq.yd. (d) restoration of grass plots	2.00	2.00	1.00	2.00	2.00
1,000 sq.ft. vault lights	3.00	4.50	3.75	3.50	4.00
1,700 sq.ft. safety treads	2.50	3.00	2.50	3.00	2.70
$300,000 expenditure for force account	10 per cent	15 per cent	20 per cent	15 per cent	15 per cent
Totals	$11,501,682	$13,087,330	$13,325,560	$13,836,890	$14,121,110
730,000 lb. stored steel not utilized—CREDIT TO THE CITY	.005	.01	.002	.01	.005
Extended totals	$11,498,032	$13,080,030	$13,324,100	$13,833,240	$14,113,810

Buildings—Educational, Religious (Cont.)

Squantum St. $400,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts.

R. I., Warwick—SCHOOLS—J. Hill Pierce, Inc., archts., 90 Allen Ave., Providence, taking bids 2 story and basement, 40 x 64 ft., brick and steel additions to 3 schools, here, for School Com. $150,000.

Pa., Leetsdale—SCHOOL—Sept. 25, by C. Groetzinger, secy. Bd. Educ., for school, $150,000. J. H. Phillips, P. O. Box 977, Pittsburgh, archt.

Md., Baltimore—SCHOOLS—Sept. 23, by Bd. Awards, three 3 story and basement, rein.-con. and brick schools, plain foundations, at Rogers St. near Denmore Ave., 1 at Glenmore, Sylvan, and Christopher Aves., and other at Alto Ave. near Lyndhurst Ave. C. N. and N. Friz, Lexington Bldg., archts. H. F. Doeleman, 597 North Charles St., engr.

D. C., Wash. — SCHOOLS — Sept. 15, by Dist. Comrs., District Bldg., for Sheridan St., Decatur St., and Brightwood Park Schools. Noted April 2 and Aug. 20.

Mich., Marquette—HIGH SCHOOL—Sept. 22, by Bd. Educ., H. A. St. John, secy., 3 story and basement, 200 x 262 ft., brick, tile and concrete, plain foundation. $470,000. J. D. Chubb, 109 North Dearborn St., Chicago, Ill., archt.

Ill., Chicago—HIGH SCHOOL—Sept. 29, by Bd. Educ., 650 South Clark St., general contract 2 story and basement, 245 x 475 ft., brick and steel, Bosworth and North Shore Aves. $1,250,000. J. C. Christensen, 650 South Clark St., archt.

BIDS RECEIVED

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, Sept. 2, P.S. 219, Clarkson Ave. from East 93rd to East 94th Sts., here, from Guidera & LaSalle, 391 East 149th St., New York City, $687,925; plumbing, from J. E. Kahn, 224 West 20th St., New York City, $29,490; heating, from A. B. Simpson Co., Inc., $84,250. Noted Aug. 20.

N. J., Hammonton—HIGH SCHOOL—Bd. Educ., 2 story and basement, 109 x 132 ft., 67 x 114 ft., and 66 x 166 ft., general contract, from G. W. Shaner, Palmyra, $214,076. Noted Aug. 27.

N. J., Margate City (mail Ventnor) — SCHOOL—School Bd., 2 story and basement, 121 x 124 ft., and 39 x 58 ft., Haverford and Winchester Aves., general contract, from J. M. Yardley, 1739 Sansom St., Phila., Pa., $183,650; heating, from Currie Co., 1233 South Atlantic Ave., Atlantic City, $32,448. Noted Apr. 2.

Pa., Midland — HIGH SCHOOL — Bd. Educ., 2 story and basement, 150 x 250 ft. high school, from Cook Anderson Co., Beaver, $162,000, alternate (1) add $17,000 (2) add $50,000 (3) add $17,000 (4) add $2,800. Noted April 16.

O., South Euclid (Euclid P. O.)—SCHOOL—Bd. Educ., P. Prasse, clk., 2 story and basement, brick, steel, and concrete, from M. B. Parker Constr. Co., Union Bldg., Cleveland, $279,822. Archts. est. $400,000. Noted Dec. 18.

Ia., Des Moines — CHURCH — Grace Methodist Episcopal Congregation, c/o L. M. Grigsby, 936 18th St., general contract 3 story and basement, 60 x 214 ft., and 82 x 88 ft., rein.-con., brick, steel and stone, 37th and Cottage Grove Sts., from J. Widerberg, 1106 Thompson St., $315,485; heating and plumbing, from Goff Plumbing & Heating Co., 514 8th St., $24,766. Noted June 18.

CONTRACTS AWARDED

Mass., Fitchburg—CHURCH — Immaculate Conception Church, 1 story and basement, brick and stone, to L. Rocheford & Son, 44 Front St., Worcester. Archts. est. $150,000. Noted June 22.

Mass., South Lowell (mail Lowell)—CHURCH—St. Joseph's Parish, 1 story and basement, brick and stone, to A. Rodrigue, 34 Easton St., Lowell. Archts. est. $150,000. Noted Sept. 3.

Md., Baltimore—CHURCH—St. Casimirs Roman Catholic Church, Kenwood Ave. and

Buildings—Educational, Religious (Cont.)

O'Donnell St., 1 story and basement, 70 x 207 ft., stone, plain foundation, Lakewood Ave. and O'Donnell St., to L. L. Chambers, 36th St. and Roland Ave. $150,000. Noted July 23.

O., Cleveland Heights (Warrensville P. O.)—HIGH SCHOOL—Bd. Educ., W. G. Nesbitt, dir., 1781 Lee Rd., 2 story and basement, 120 x 150 ft., and 60 x 63 ft. addition to Junior High School, Roxboro and Colchester Rds., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $400,000. Noted Sept. 3.

O., Columbus—HIGH SCHOOL—Bd. Educ., E. L. McCune, clk., general contract Everett Junior High School, 3 story, 105 x 140 ft., rein.-con. and brick, Dennison and 4th Aves., to D. W. McGrath, 255 East Broad St., $138,985; heating and ventilating, to J. H. Myers Co., Columbus, $32,390. Noted Aug. 6.

Mich., Detroit—SCHOOL — Bd. Educ., 1354 Bway. Ave., 2 story and part basement, rein.-con., brick and steel, Bremen and Waveney Aves., to Corrick Bros., 507 Owen Bldg., $154,346. Noted July 30.

Minn., St. Paul—CHAPEL and SCHOOL —St. Joseph Academy, Western Ave. and Nelson St., general contract 4 story and basement, rein.-con., brick and stone, Randolph St., to H. N. Leighton Co., 127 South 10th St., Minneapolis. Archts. total est. $300,000.

Kan., Topeka—SCHOOL—Bd. Educ., general contract 2 story and basement, 77 x 120 ft., and 62 x 106 ft., concrete, brick and stone, 3rd and Buchanan Sts., to G. H. Gurtler Co., 1266 Buchanan St. Noted Aug. 20.

Tex., San Marcos—SCIENCE—State Building Comn., Austin, S. B. Cowell, chn. State Bd. Control, 3 and 4 story, 69 x 165 ft., rein.-con., brick and stone, here, to Dielman Constr. Co., 306 East Commerce St., San Antonio, for Southwest Texas State Teachers' College. $126,795. Noted July 2.

Tex., Nacogdoches—LIBRARY—M. O. Flowers, chn. State Teachers' College, Bd. Regents, Rusk Library, 3 story, 68 x 200 ft., rein.-con. and brick, at Stephen F. Austin College, to F. A. Mote & Co., 1509 McCoy St., Dallas, $189,700. Noted Aug. 20.

Nev., Reno—EXPOSITION—State Building comn., Carson City, general contract cement, stone and brick, at Reno Highway Exposition, here, to Campbell Constr. Co., Nicolaus Bldg., Sacramento, Calif., $210,-070. Noted June 25.

Federal Government Work

PROPOSED WORK

Idaho — Sandpoint — Post Office—Treas., Dept., at office Supervising Archt., Wash., D. C., July 28, rejected bids post office, here. Will readvertise and redesign. Noted July 9.

BIDS DESIRED

Mass., Boston—Pumps, etc.—Sept. 15, by Bureau Supplies & Accounts, Navy Dept., Wash., D. C., fuel oil pumps and condenser tubes, for Navy Yard, here.

Ala., Florence—Gate Hoist—Sept. 23, by U. S. Engineer Office, movable head gate hoist for power house, Wilson Dam, Tennessee River; adv. E. N.-R. Sept. 10.

Ala., Florence — Gate Machinery — Sept. 12, by U. S. Engineer Office, War Dept., Wash., D. C., gate operating machinery for lock gates Dam No. 1, Tennessee River, here.

Mich., Cheboygan—Post Office—Sept. 30, by Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story, and basement, brick and stone post office, here.

Mo., Kansas City — Dike — Sept. 15, by U. S. Engineer Office, 2,100 ft. dikes, at Howard Bend, Missouri River.

BIDS RECEIVED

Minn., Fairmont — Post Office — Treas. Dept., Office. Supervising Archt., Wash., D. C., Sept. 1, post office, here, from F. R. Comb Co., 2113 Chicago Ave., Minneapolis, Minn., $48,765. Noted Aug. 20.

Colorado — Roads — Bureau Pub. Roads, 301 Custom House, Denver, grading 6.88 mi. Tennessee Pass Natl. Forest Rd. Project, Pando Sect., Eagle Co., from Stamey-Mackey Constr. Co., Hutchinson, Kan., $61,-740; 3.5 mi. South St. Vrain Natl. Forest Rd. Project, Ferncliff Sect., Boulder Co., from C. Ryan, 4892 Julian St., Denver, $27,-060; 5.09 mi. Cumbers Pass Natl. Forest Rd. Project, Elks Creek-La Manga Sect., Conejos Co., from Shields & Kyle, Pueblo, $37,141. Noted Aug. 6.

CONTRACTS AWARDED

Mass., Rutland — Excavation — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., 5,000 cu.yd. excavation, here, to Streeter & Son Co., Glenwood St., Worcester, at $1.25 per cu.yd.

Va., Fort Monroe — Bridge — Office Constructing Quartermaster, two 54 ft. span, rein.-con. bridge at Big Bethel, to Gannaway-Hudgins Co., 18 North King St., Hampton, $15,620.

Fla., Jacksonville — Pontoon Catamarans —U. S. Engineer Office, Wash., D. C., pontoon catamarans for dredge Welatka, here, to Canal Steel Wks. Inc., P. O. Box 347, New Orleans, La., $26,800. Noted Aug. 6.

Mich., Detroit — Borings — U. S. Lake Survey Office, Old Customs House, diamond drill borings Bernhart Island, in St. Lawrence River, to Pen Drilling Co., 7812 West Carson St., Pittsburgh, Pa., $14,000. Noted Aug. 20.

Ill., Maywood—U. S. Veterans Hospital Bureau, 791 Arlington Bldg., Wash., D. C., animal house and repair shop, here, to G. Griffiths Constr. Co., 705 Olive St., St. Louis, Mo., $23,900. Noted Aug. 27.

Ia., Knoxville—Roads and Walks—U. S. Veterans Hospital, Room 791, Arlington Bldg., Wash., D. C., roads and walks at hospital, here, to J. W. Turner Impvt. Co., 309 Youngerman Bldg., Des Moines, $35,-600. Noted May 21.

Calif., San Francisco—Dredging—U. S. Engineer Office, Wash., D. C., dredging in Petaluma Creek, Dist. 1, here, to Amer. Dredging Co., 255 California St., $40,538. Noted July 16.

Unclassified

PROPOSED WORK

Golf Course—Highgate Springs, Vt.—E. G. Hilton, Swampscott, Mass., plans reconstructing grounds at Lakeview hotel, incl. golf course. $25,000. Engineer not selected.

Playground—Roxbury (Boston P. O.)—**Mass.**—Street Laying-out Dept., Boston, plans playground, Kearsage Ave. and Winthrop St., here. $25,000. J. F. Sullivan, secy.

Car Barns—St. Petersburg, Fla.—See "Railways" under "Florida."

Power Line — Tennessee — Tennessee Power Co., 317 Walnut St., Chattanooga, E. D. Reed, pres., plans electric line on Kingston Pike from Lenoir City to Ten Mile Creek. $25,000.

Swimming Pool—Clarksville, Tenn.—See "Excavation, Drainage, Irrigation, Levees."

Park Improvements—Cleveland, O.—City plans completing Forest Hill Park roadway and swimming pool $150,000. H. Kregelius, City Hall, archt.

Traffic Signals — Cleveland, O. — City, E. D. Barry, dir. P b. Safety, election Nov. 3. $175,000 bonds, for additional synchronized traffic signals.

Stadium—Cleveland, O.—Big Ten University Club, c/o C. L. Shmock, secy., 1620 Euclid Ave., plans 1 story, rein.-con., 50,000 seating capacity, East 71st St. and Hough Ave. $300,000. Engineer and architect not selected.

Transmission Line—Oklahoma—Town of Wellston Election Sept. 14, $25,000 bonds, electric transmission line from Chandler to Wellston and electric system in Wellston. R. K. Johnson, Chandler, engr.

Transmission Line—Oklahoma—Town of Raddlett election Sept. 11, $25,000 bonds, electric transmission line to Snyder, and distribution system in Raddlett. E. R. Ernsberger, Continental Bldg., Oklahoma City, engr.

Swimming Pool — Marysville, Calif. — Plans election in January, $50,000 bonds, 80 x 160 ft. swimming pool.

BIDS DESIRED

Heating and Ventilating—Boston, Mass. —Sept. 16, by Bd. Trustees Boston Sanitarium, City Hall, heating and ventilating system in out patient building, 57-61 East Concord St. $25,000. Former bids rejected. French & Hubbard 210 South St., engrs. Noted Aug. 20.

Heating and Ventilating — Worcester, Mass.—See "Buildings—Commercial."

Ventilation Buildings—New York, N. Y.—Oct. 6, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, two 5 story, brick and steel ventilation buildings, one on Washington St. between Canal and Spring Sts., and other over river shaft between Piers No. 34 and 35, North River, also completing interior of New York land and river shafts, Contr. 13 of Holland Tunnel. G. R. Dyer, chn. former and T. Boettger, chn. latter commissions; adv. E. N.-R. Sept 10.

Subway—New York, N. Y.—Sept. 18, by Bd. Transportation, 49 Lafayette St., subway along and under Fort Washington Ave., Bway. and private property from Overlook Terrace to Dyckman St., Sect. 1, Route 105. J. H. Delaney, chn.

Wharf—New Orleans, La.—Sept. 15, by Bd. Port Comrs., 200 New Court House Bldg., alterations, etc., to wharves and sheds at Girod and Julia Sts.

Sea Wall — Lockport, Ill. — Sept. 17, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., Chicago, 1.5 mi. concrete wall on east side main channel, incl. removal 21,000 cu.yd. concrete wall and replacing 29,000 cu.yd. rein.-con. wall, here. M. Eller, chn.

Transmission and Telephone Lines — Staunton, Ill.—See "Waterworks."

Gravel Pit, etc.—Success, Ark.—W. H. Meredith, Poplar Bluff, Mo., plans gravel pit on Current River, near here, and takes bids about Jan. 1, for equipment, incl. probably section dredge and clam shell unloader from barges to railroad cars. $75,-000.

Heating Plant—Commerce, Tex.—W. R. Ragsdale, archt., West Lee St., Greenville, taking bids remodeling heating plant, incl. concrete subway, repairs and alterations to pipe lines from present steam heating plant, here, for East Texas Teachers' College, c/o A. Whitley. $50,000.

Pipe — Dallas, Tex — City, c/o M. G. James, secy., taking bids 50 tons 4 in. Class "B" B. & S. c.i. pipe, or De Lavaud.

Breakwater—Port Maitland, Ont.—Sept. 23, by S. E. O'Brien, secy. Bd. Pub. Wks., Parliament Bldgs., Ottawa, breakwater in Yarmouth Co., here. $25,000.

Pier—Toronto Ont.—Sept. 24, by S. E. O'Brien, secy., Bd. Pub Wks., Parliament Bldgs., Ottawa, reconstructing 864 ft. superstructure West Pier, in East Channel, York Co., here. $300,000.

Underground Conduits—Montreal, Que.—Sept. 9, by Executive Com., at City Hall, underground conduits, etc. in St. Lawrence Blvd., North St. Catherine, West Bleury and South Laguchetiere Sts. R. Bauset, city clk.

BIDS RECEIVED

Bulkhead—New York, N. Y.—Dept. Pub. Markets, Municipal Bldg., Sept. 6, removing present timber crib bulkheads and constructing foundations, bulkheads, docks, slips, dredging and backfilling for Municipal Terminal Market, Exterior and East 151st St., Bronx Boro, from H. P. Converse & Co., Inc., 440 East 142nd St., $784,000.

Wharves — New Orleans, La. — Bd. Port Comrs., New Court House Bldg., reconstructing and additions to Piety, Louisa, and Clourt St. wharves, etc., from R. P. Farnsworth & Co., Canal-Commercial Bldg., $93,420; for 870,000 ft. creosoted timber, and 1,610 creosoted piles, from Amer. Creosote Wks., Inc., Southport, $53,400.

CONTRACTS AWARDED

Jetty, etc.—Barnegat, N. J.—State Bd. Comm. & Navigation, Trenton, hook jetty, and 3 timber groins, in Barnegat Inlet, Ocean Co., to Wooley & Howland, 99 Atlantic Ave., Long Branch, $62,005. Noted Aug. 27.

Heating and Ventilating, etc.—Phila., Pa. —See "Buildings—Commercial."

Grain Tanks—Minneapolis, Minn.—Daniels Midland Co., 29th Ave. S. E., and Chicago Great Western R.R. tracks, 4 grain bins, rein.-con., 625 Malcolm Ave. S. E., to Barnett & Record Co., 700 Flour Exch. Bldg., about $100,000.

Materials

BIDS DESIRED

Lumber, etc —New York, N. Y.—Sept. 16, by J. E. Bowe, comr. Purchase, Municipal Bldg., lumber, railroad ties and building materials to Departments of Parks—Bronx, and Plant and Structures up to Dec. 31.

BIDS RECEIVED

Paving Blocks — Brooklyn, N. Y. — J. A. Gulder, boro pres. Boro Hall, Sept. 2, 75,000 Grade 1 granite paving blocks, from Terminal Supply Co., 350 Madison Ave., New York City, $10,340.

Cement, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Sept. 3, 20,000 bags cement, from J. A. McCarthy, 551 Exterior St., $13,600, 500 tons asphaltic joint filler, from Warner Quinlan Co., 79 Wall St., $12,241; 1,200 cu.yd. sand grit, from Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, $1,908. Noted Aug. 27.

CONSTRUCTION NEWS

Engineering News-Record, Sept. 17, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Hydro-electric plant, Louisville, Ky., Louisville Hydro-Elec. Co. will build 108,000 hp. plant, $7,500,000.

Hotel, New York, N. Y., J. Goldring & Bros., $6,000,000.

Apartment hotel, Chicago, Ill., organizing syndicate, $2,000,000 to $2,500,000.

Wharf, New Orleans, La., Bd. Port Comrs., $2,000,000.

Apartment, New York, N. Y., N. Minskoff, $1,500,000.

Nurses School, New York, N. Y., Mt. Sinai Hosp., preparing plans, $1,500,000.

Theatre, Cincinnati, O., Cinco Co., preparing plans, $1,500,000.

Office building, New York, N. Y., 15 W. 47th St. Corp., preparing plans, $1,000,000.

Factory, Marietta, O., Safe Cabinet Co., preparing plans, $1,000,000.

Hotel, Brooklyn, N. Y., Danett Realty Co., preparing plans, $1,000,000.

Road, Live Oak, Fla., bond election Sept. 29, $1,000,000.

Synagogue, Los Angeles, Calif., soon lets contract, $1,000,000.

Cement for trunk highway paving, 1926, St. Paul, Minn., State Hy. Dept. plans to purchase $1,000,000.

Apartment, New York, N. Y. R. Candela, archt., making sketches, $1,000,000.

Bids Wanted On Big Jobs

Office and bank, Philadelphia, Pa., Ballinger Co., archts., bids opened Sept. 24, $1,100,000.

Bridge, Chicago, Ill., So. Park Comrs., takes bids about Oct. 1, $1,000,000.

Contracts Awarded

Club, Washington, D. C., to George A. Fuller Co., $6,000,000.

Office, Philadelphia, Pa., to Irwin & Leighton, $3,300,000.

Apartment, Chicago, Ill., to J. B. French, $3,000,000.

Art Museum, Philadelphia, Pa., to George A. Fuller Co., $2,793,518.

High School, Philadelphia, Pa., to McCloskey Co., Inc., $1,659,659.

Office and store, Omaha, Neb., to Seldon-Breck Constr. Co., $2,000,000.

Bank and hotel, Greensboro, N. C., to J. W. Stout, $1,400,000.

Hotel, Greensboro, N. C., to Foundation Co., $1,350,000.

Factory, Cambridge, Mass., to Hegeman-Harris Co., $1,000,000.

Loft, New York, N. Y., by separate contracts, $1,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Sept. 18	New York, N. Y.	Sept. 10
Sept. 21	Masontown, Pa.	Sept. 3
Sept. 21	Lebanon, Mo.	Sept. 17
Sept. 21	Chicago, Ill.	Sept. 17
Sept. 22	Wheeling, W. Va. Adv. Sept. 10 and 17.	Sept. 10
Sept. 22	Tallahassee, Fla.	Aug. 27
Sept. 22	Youngstown, O.	Aug. 27
Sept. 22	Vancouver, B. C.	Sept. 10
Sept. 22	Waupon, Wis.	Sept. 17
Sept. 23	Cleveland, O.	Sept. 17
Sept. 27	Clinton, Ia.	Sept. 17
Sept. 29	Clio, Ala. Adv. Sept. 17.	Sept. 17
Sept. 30	Staunton, Ill.	Sept. 10
Oct. 13	Detroit, Mich.	Sept. 17
	SEWERS	
Sept. 18	Boston, Mass.	Sept. 10
Sept. 19	Bedford, O.	Sept. 17
Sept. 21	Boston, Mass.	Sept. 10
Sept. 21	Chicago, Ill.	Sept. 17
Sept. 22	New York, N. Y.	Sept. 17
Sept. 22	Milford, Del.	Sept. 17
Sept. 22	Caspian, Mich.	Sept. 17
Sept. 23	Grand Rapids, Mich.	Sept. 3
Sept. 23	Boston, Mass.	Sept. 10
Sept. 23	Elizabeth, N. C.	Sept. 17
Sept. 24	Vero Beach, Fla.	Sept. 17
Sept. 25	Louisville, Ky.	Sept. 3
Sept. 30	Portland, Ore. Adv. Sept. 17.	Sept. 17
Oct. 1	Salisbury, Md. Adv. Sept. 17.	Sept. 17
Oct. 2	Garber, Okla.	Sept. 17
Oct. 6	Lynn, Mass.	Sept. 3
	BRIDGES	
Sept. 23	Roach, W. Va. Adv. Sept. 3 to 17.	Sept. 3
Sept. 23	Cincinnati, O.	Sept. 17
Sept. 23	Hiawatha, Kan.	Sept. 17
Sept. 25	Ohio	Sept. 17
Sept. 25	Cincinnati, O.	Sept. 3
Sept. 28	Croydon, (Bridgewater P. O.) Pa. Adv. Sept. 10 and 17.	Sept. 10
Sept. 28	Akron, O.	Sept. 17
Sept. 28	New Jersey Adv. Sept. 10 and 17.	Sept. 17
Sept. 28	Houston, Tex.	Sept. 17
Sept. 29	Ford, Kan.	Sept. 10
Sept. 29	Wellington, New Zealand	Sept. 17
Sept. 29	Indiana	Sept. 17
Oct. 1	New Braunfels, Tex.	Aug. 27
Oct. 6	Washington	Sept. 17
Oct. 8	Charleston, W. Va.	Sept. 10
Oct. 12	Lynchburg, Va. Adv. Sept. 10 and 17.	Sept. 17
Nov. 17	Wellington, New Zealand	Sept. 17
	DAMS	
Sept. 21	Streator, Ill.	Sept. 3
Oct. 12	Los Angeles, Calif.	Aug. 20
	RAILWAYS	
Sept. 25	Quebec	Sept. 17
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
Sept. 22	Welland, Ont.	Aug. 27
Sept. 22	Edinburg, Tex. Adv. Aug. 20 to Sept. 17.	Aug. 27
Sept. 22	Manteca, Calif.	Sept. 17
Sept. 22	Nova Scotia	Sept. 17
Sept. 25	Waggoner, Ill.	Sept. 17
Sept. 25	Thomson, N. Y. Adv. Sept. 3 to 17.	Sept. 3
Oct. 14	New Orleans, La.	Sept. 17
	STREETS AND ROADS	
Sept. 18	Creedmoor (mail Floral Park), N. Y. Adv. Sept. 10 and 17.	Sept. 10
Sept. 18	Wash., D. C.	Sept. 17
Sept. 18	Dayton, O.	Sept. 17
Sept. 19	New Albany, Ind.	Sept. 3
Sept. 19	Baltimore, Md.	Sept. 10
Sept. 21	Little Silver, N. J. Adv. Sept. 3 to 17.	Sept. 3
Sept. 21	Kentucky	Aug. 27
Sept. 21	Idaho	Sept. 17
Sept. 21	Stockton, Calif.	Sept. 17
Sept. 21	Neshanic, N. J.	Sept. 17
Sept. 21	Chicago, Ill.	Sept. 17
Sept. 21	Hamlin, W. Va.	Sept. 17
Sept. 21	South Jacksonville, Ill.	Sept. 17
Sept. 21	Minneapolis, Minn.	Sept. 17
Sept. 21	Lebanon, Mo.	Sept. 17
Sept. 22	New Orleans, La.	July 2
Sept. 22	Edinburg, Tex.	Aug. 20
Sept. 22	Pennsylvania	Sept. 3
Sept. 22	Natchez, Miss.	Sept. 10
Sept. 22	Cincinnati, O.	Sept. 17
Sept. 22	Clarksburg, W. Va.	Sept. 17
Sept. 22	Trenton, N. J.	Sept. 17
Sept. 22	Tampa, Fla.	Sept. 17
Sept. 22	Springwells, Mich.	Sept. 17
Sept. 22	Maryland	Sept. 17
Sept. 23	Elizabeth City, N. C.	Sept. 3
Sept. 23	West Palm Beach, Fla. Adv. Sept. 17.	Sept. 17
Sept. 23	Wisconsin	Sept. 17
Sept. 24	New Orleans, La.	July 2
Sept. 24	Lyndon, Kan.	Sept. 3
Sept. 24	Mount Doro, Fla.	Sept. 3
Sept. 24	Louisiana	Sept. 3
Sept. 24	Key West, Fla.	Sept. 17
Sept. 24	New York, N. Y.	Sept. 17
Sept. 24	Richmond Hill (Ind. br. Jamaica), N. Y.	Sept. 17
Sept. 24	Graham, N. C.	Sept. 17
Sept. 25	Oskaloosa, Kan.	Sept. 3
Sept. 25	New York Adv. Sept. 10 and 17.	Sept. 10
Sept. 25	San Antonio, Tex.	Sept. 10
Sept. 25	Ohio	Sept. 17
Sept. 25	Somerville, N. J.	Sept. 17
Sept. 25	Michigan	Sept. 17
Sept. 25	North Dakota	Sept. 17
Sept. 25	Missouri	Sept. 17
Sept. 26	Berkley Springs, W. Va.	Sept. 10
Sept. 29	West Virginia	Sept. 10
Sept. 29	Siloam Springs, Ark.	Sept. 10
Sept. 29	Louisville, Miss.	Sept. 10
Sept. 29	Charleston, W. Va.	Sept. 10
Sept. 29	Arkansas	Sept. 10
Sept. 29	West Virginia	Sept. 10
Sept. 29	Louisiana	Sept. 17
Sept. 29	Minnesota	Sept. 17
Sept. 29	Yonkers, N. Y. Adv. Sept. 10 and 17.	Sept. 17
Sept. 30	Orlando, Fla.	Sept. 10
Sept. 30	Glenville, W. Va.	Sept. 17
Oct. 2	San Antonio, Tex.	Sept. 10
Oct. 2	Oberlin, Kan.	Sept. 10
Oct. 2	Harrisburg, Pa. Adv. Sept. 17.	Sept. 17
Oct. 5	Lewistown, Pa.	Sept. 17
Oct. 6	Washington	Sept. 17
Oct. 6	Vero Beach, Fla. Adv. Sept. 17.	Sept. 17
Oct. 12	Kentucky	Sept. 17
Oct. 14	Alabama	Sept. 10
Oct. 15	Alabama	Sept. 10
Oct. 15	Birmingham, Ala.	Sept. 17
	BUILDINGS—INDUSTRIAL	
Sept. 19	Baltimore, Md.	Sept. 17
Oct. 13	Durban, South Africa	July 30
	BUILDINGS—COMMERCIAL	
Sept. 18	Vancouver, B. C.	Sept. 10
Sept. 21	Quincy (Boston P. O.), Mass.	Sept. 17
Sept. 21	Lynn, Mass.	Sept. 17
Sept. 22	Cleveland, O.	Sept. 3
Sept. 22	Jackson, Mich.	Sept. 17
Sept. 23	Marcy, N. Y.	Sept. 10
Sept. 24	Phila., Pa.	Sept. 17
Sept. 24	Mobile, Ala.	Sept. 10
Sept. 29	Chicago, Ill.	Sept. 10
Oct. 6	Labelle, Fla. Adv. Aug. 20 to Sept. 17.	Aug. 20
Oct. 12	Breckenridge, Tex.	Sept. 3
Nov. 15	Aurora, Ill.	Aug. 27

Bids Close — See Eng. News-Record

BUILDINGS—EDUCATIONAL, RELIGIOUS

Sept. 18 Winsted, Conn. .....Sept. 17
Sept. 19 Chicago, Ill. .....Sept. 17
Sept. 20 Haverhill, Mass. .....Sept. 17
Sept. 20 Jackson, Mich. .....Aug. 27
Sept. 21 Bridgeport, Conn. .....Sept. 17
Sept. 22 Marshalltown, Ia. .....Sept. 3
Sept. 22 Detroit, Mich. .....Sept. 10
Sept. 22 Liberty, Mo. .....Sept. 17
Sept. 23 Baltimore, Md. .....Sept. 10
Sept. 24 River Rouge, Mich. .....Sept. 17
Sept. 25 Manistee, Mich. .....Sept. 17
Sept. 28 Warwick, R. I. .....Sept. 17
Sept. 29 Cleveland, O. .....Sept. 3
Sept. 30 Virginia, Minn. .....Aug. 20
Oct. 5 Bastrop, La. .....Sept. 17
Oct. 6 Madison, Wis. .....Sept. 17
Oct. 7 San Francisco, Calif. .....Sept. 17
Oct. 8 Lyndonville, N. Y. .....Sept. 17
Adv. Sept. 17.

FEDERAL GOVERNMENT WORK

Sept. 21 Wire, etc.—Wash., D. C. ...Sept. 17
Sept. 21 Barges—St. Louis, Mo. .....Aug. 27
Adv. Aug. 27 and Sept. 17.
Sept. 22 Filtration Plant—Wash., D. C. .....Aug. 27
Adv. Aug. 27 to Sept. 17.
Sept. 22 Post Office—Sandusky, O. ...Aug. 20
Sept. 23 Painting—St. Paul, Minn. ..Sept. 3
Sept. 23 Gate Hoist—Florence, Ala. .....Sept. 10
Adv. Sept. 10 and 17.
Sept. 24 Remodeling—Holyoke, Mass. .....Sept. 3
Sept. 24 Air Compressor—Florence, Ala. .....Aug. 27
Adv. Aug. 27 to Sept. 17.
Sept. 24 Dredging—New York, N. Y. .....Sept. 3
Sept. 24 Borings—Detroit, Mich. ....Sept. 17
Adv. Sept. 10 and 17.
Sept. 25 Post Office—Comanche, Tex. .....Aug. 27
Sept. 25 Tender—Wash., D. C. .....Aug. 27
Sept. 25 Hydraulic Dredge—Norfolk, Va. .....Sept. 3
Sept. 25 Remodeling—Lakeland, Fla. .....Sept. 17
Adv. Sept. 17.
Sept. 29 Addition—Williamsport, Pa. .....Sept. 17
Sept. 30 Quarters, etc.—Sackets Harbor, N. Y. .....Sept. 3
Adv. Sept. 3 to 17.
Sept. 30 Quarters—Oceanport, N. J. Sept. 3
Adv. Sept. 3 to 17.
Sept. 30 Post Office—Cheboygan, Mich. .....Sept. 10
Oct. 2 Dredging—Stamford, Conn. .....Sept. 3
Adv. Sept. 3 to 17.
Oct. 8 Quarters—Oswego, N. Y. ...Sept. 17
Adv. Sept. 10 and 17.
Oct. 10 Pressure Pipe System—Florence, Ala. .....Sept. 17
Adv. Sept. 17.
Oct. 13 Post Office—Tullahoma, Tenn. .....Sept. 17
Adv. Sept. 17.
Oct. 14 Excavation—Beverly, Mass. .....Sept. 17
Adv. Sept. 17.

UNCLASSIFIED

Sept. 18 Subway—New York, N. Y. .....Sept. 10
Sept. 22 Borings—Phila., Pa. .....Sept. 17
Sept. 22 Overhead Crossing — Colorado .....Sept. 17
Sept. 22 Retaining Wall—New York, N. Y. .....Sept. 17
Sept. 23 Breakwater—Port Maitland, N. S. .....Sept. 10
Sept. 24 Pier—Toronto, Ont. .....Sept. 10
Sept. 24 Gallows Frames — New York .....Sept. 17
Sept. 24 Air Compressor—Esquimalt, B. C. .....Sept. 17
Sept. 25 Subway—Wash., D. C. ...Sept. 3
Sept. 28 Bridge Machinery—Beaumont, Tex. .....Sept. 17
Sept. 29 Towers—Wellington, New Zealand .....Aug. 6
Sept. 29 Wharves, etc.—Canada....Sept. 17
Oct. 1 Foundation—Madison, Wis. .....July 30
Oct. 6 Ventilation Buildings, New York, N. Y. .....Sept. 10
Adv. Sept. 10 and 17.
Oct. 6 Pumping Equipment—New York, N. Y. .....Sept. 17
Adv. Sept. 17.

MATERIALS

Sept. 29 Pipe—Long Beach, Calif. ..Sept 3
Oct. 10 Wire—Melbourne, Australia .....Aug. 20
Oct. 13 Insulation Strings—Wellington, New Zealand .....Aug. 6
Oct. 20 Telephone Cable—Melbourne, Australia .....Aug. 20

Bids Close — See Eng. News-Record

Oct. 27 Wire—Wellington, New Zealand .....Sept. 17
Nov. 9 Wire—Wellington—New Zealand .....Sept. 17
Nov. 9 Cable—Melbourne, Australia .....Aug. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Fla., Plant City — Voted $160,000 bonds extending waterworks. W. H. Durrance, clk.

Miss., Clinton—Soon takes bids waterworks improvements, incl. 4,000 ft. 4 and 6 in. c.i. pipe, 900 ft. artesian well and pumping equipment to lift water 160 to 170 ft., etc. $17,500.

Mich., Detroit—Bd. Water Comrs., 232 East Jefferson Ave., making plans 8 in. c.i. mains in 2,570 ft. Plymouth Rd., 770 ft. Greenlawn Ave., 1,520 ft. St. Aubin Ave., 1,150 ft. State Fair Rd., 1,285 ft. Rosemont Ave., 980 ft. Beland Ave., 1,320 ft. 1st St., 2,000 ft. Robson Ave., and 1,900 ft. Coyle Ave.; 6 in. mains in 1,360 ft. Norlina Ave., 2,580 ft. Gilbert Ave., 375 ft. Kent Ave., 1,040 ft. Teppert Ave., 1,285 ft. Tennyson Ave., 1,285 ft. Ashland Ave., and 1,630 ft. Albion Ave. Work will be done by day labor. G. H. Fenkell, 232 East Jefferson Ave., genl. mgr.

O., Columbus — Jennings-Lawrence Co., engrs., 511-512 Hartman Bldg., making plans 22,619 ft. 6 in. mains in alley north Lots 1 and 2 Fickneys Addition, Mill, Lilly Chapel and Old London Rds., London Pike, Heath, Chester, West, Smith, Garfield, Franklin, Bridge, Jackson, Depot, Center, Chestnut, Burnham, Water, Town, Main, Parl and Pearl Sts., Frey and Fellows Aves.; 2,100 ft. 4 in. mains in Martin Ave., Water, Twin and Hampton Sts., 880 ft. 8 in. mains, etc., in Blair Rd., London and Main Sts., for City.

Wis., Green Bay — J. Ducharme, clk. Allouez Twp., R. F. D. 6, soon takes bids 40 x 42 ft., rein.-con. pumphouse and 100,000 gal. rein.-con. reservoir, etc. $75,000. McMahon & Clark Eng. Co., Menasha, engrs.

Wis., South Milwaukee—Making plans 1 m.g. rein.-con. reservoir. To exceed $15,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Ia., Lamoni—Voted $15,000 bonds, constructing waterworks. M. A. Henden, city clk.

Kan., Eldorado—Making plans new water supply. To exceed $15,000. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

S. D., Mitchell — Plans new water plant. $15,000 or more. S. Smith, city engr.

Mo., Craig—Election soon $55,000 bonds, waterworks, distribution system and sanitary sewers in various streets. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs. Noted Sept. 3.

Mo., Houston—Making preliminary plans waterworks and distribution system, tank on tower, etc. $35,000. Russell & Axon, McDaniel Bldg., Springfield, engrs.

Mo., Lebanon — Voted $15,000 bonds, waterworks and distribution system.

Mo., Piedmont—Election Sept. 18, $50,000 bonds, waterworks and distribution system. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, engrs. Noted Aug. 27.

Mo., Shelbina — Voted $35,000 bonds, about 3 mi. new water line from Salt River, and distribution mains, etc. Noted April 23.

Tex., Amherst — Plans new water supply and distributing system, incl. 12,630 ft. c.i. and 10,090 ft. galvanized iron pipe, 75,000 tank, 2 new wells, etc. $50,000. Address C. B. Linn, mayor.

Tex., Anson—Voted $60,000 bonds, waterworks and sewers in various streets. Noted Aug. 23.

Okla., Collinsville — Making preliminary plans waterworks extensions. $45,000. Holway Eng. Co., Wright Bldg., Tulsa, engr. Noted April 16.

Okla., Dewey — Election soon $25,000 bonds, waterworks extensions, incl. wells, etc. Noted July 30.

Okla., Ft. Cobb — Making surveys new waterworks, incl. well, pumps, tank, valves, hydrants, distribution system, etc. $35,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 17.

Okla., Ft. Cobb — Making preliminary plans new waterworks, incl. well, tank, pump, mains, etc. Election soon $1[illegible] bonds for same. Engineer not selected.

Okla., Yukon—Making preliminary plans extending 17,000 ft. 4- to 8-in. c.i. mains in various streets. $18,000. H. G. Olmstead, 2230 West 18th St., Oklahoma City, engr.

Wash., Seattle — City Council plans repairing and reconstructing Pipeline [illegible]. $200,000 appropriated.

Calif., Southgate (br. of Los Angeles)—Voted $150,000 bonds, waterworks improvements. Noted July 16.

Ont., Barton—Township Council plans mains, 250,000 gal. tank, meters, etc. $50,000. S. G. Sims, Court House, Hamilton, engr. Noted Aug. 6.

BIDS DESIRED

Ala., Clio — Sept. 29, by A. L. McLean, mayor and City Council, waterworks and sewerage system. G. L. Molton, Tuscaloosa, engr.; adv. E. N.-R. Sept. 17.

Miss., Clinton—Sept. 27, by City, deep well and pump. May also lay 3,000 ft. 4 in. and 1,000 ft. 6 in. c.i. mains, etc. in various streets by own forces. $17,500.

Tenn., Trezevant—Taking bids 50,000 gal. tank, mains, etc. in various streets.

O., Bedford—See "Sewers."

O., Cleveland—Sept. 23, by Cuyahoga Co., 4,600 ft. 6 and 7 in. c.i. mains in Villa Park Subdivision 1. To exceed $25,000. F. Williams, Court House, engr.

Mich., Detroit — Oct. 13, by Bd. Water Comrs., 176 East Jefferson Ave., one 50 m.g. and one 75 m.g. daily capacity pumping units. G. H. Fenkell, genl. mgr.; adv. E. N.-R. Sept. 17.

Mich., Detroit—See "Contracts Awarded."

Ill., La Grange—Sept. 21, by City, waterworks improvements, incl. 7,200 ft. 6 in. and 680 ft. 4 in. c.i. mains, 9 gate valves, 17 fire hydrants, 106 lead pipes, 29 ft. long, and 108 lead pipes 9 ft. long, etc.; also 4,430 ft. 12 in. vitr. tile sewers, etc., in various streets, $20,000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Aug. 6.

Wis., Waupun — Sept. 22, by Water & Light Comn., R. Zimmerman, city clk., single stage centrifugal pump, 750 g.p.m. capacity against total head of 140 ft., operating 1,750 r.p.m. direct connected to 2,300 volt, 3 phase, 60 cycle motor complete with starter, or alternate direct connected to gasoline engine with motor.

Mo., Jefferson City — See "Contracts Awarded."

Mo., Lebanon—Sept. 21, b. W. E. Ford, city clk., waterworks improvements, incl. 5,600 ft. ditching and backfilling, 2,500 ft. ¾ in. galvanized wrought iron pipe, 1,130 ft. 1, 2, and 4 in. c.i. pipe in place, etc. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs.

BIDS RECEIVED

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, 2,800 ft. 36 in. each c.i. and steel mains, etc. in Chelton St., Contr. 764, from P. and A. J. Ellis, 4th St. below Wyoming St., $49,083; one shippley derrick on roof Towesdale filter, Contr. 771, from Service Supply Co., 20th and Venango Sts., and Acme Machine Co., 316 North 17th St., each $940; railroad siding Towesdale filter plant, Contr. 772, from J. R. Fox, Jr., 1040 Bridge St., $4,500; 1,100 tons filter sand and gravel, Contr. 773, from M. J. McCrudden, 1134 Real Estate Bldg., $11,890; and 100 tons each 3 and 4 in. valves, Contr. 774, from Michigan Valve Co., 4508 North 8th St., $2,640. Noted Sept. 3.

Mich., Birmingham — Quarton Lake Estates, 13,500 sq.ft. 6- to 8-in. c.i. water pipe, from R. Bolbbuto, 118 Baldwin Ave., Pontiac, $25,786; 11,000 sq.ft. 8- to 15-in. vitr. sanitary sewers, from J. E. Steyers, 1257 Book Bldg., Detroit, $18,643; 140,000 sq.ft. concrete sidewalks, from Otis Cement Constr. Co., 806 Hammond Bldg., $20,098; 7,000 lin.ft. grading, from Hill Bros., Detroit, $6,842. Noted Sept. 3.

Wis., Milwaukee—Dept. Pub. Wks., Sept. 2, 12,985 ft. 6- to 16-in. c.i. mains in South Fond du Lac Rd., Lisbon Ave., 44th and 45th Sts., from Wezel & Henoch Co., 498 27th St., $26,409.

CONTRACTS AWARDED

Mass., Boston—Supply Dept., 500 concrete hydrant boxes, to Hugh Nawn, Inc., 82 Savin St., Roxbury, $7.90 per box. Noted Sept. 10.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Ocean Parkway, Kings Highway and Ave. I, here, to N. De Stefano, 257 Glenn Ave., Tompkinsville, $32,913. Noted Sept. 3.

Waterworks (Continued)

N. Y., Long Island City — N. J. Hayes, Comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Idewild Ave. and Garfield St., 4th Ward, here ,to Gregory Contg. Co., Inc., 351 East 124th St., New York City, $36,953. Noted Sept. 10.

N. J., Newark—North Jersey Dist. Water Supply Comn., 20 Clinton St., grading and graveling for relocation of highway at Wanaque Reservoir, to P. Naples Co., Inc., 118 Jefferson St., Passaic, $329,560. Noted Aug. 20.

Md., Salisbury—Water & Sewer Comn., new pumping station, incl. six 1,000-1,500 g.p.m. centrifugal pumps, etc., to Virginia Mchy. & Well Co., 1319 East Main St., Richmond, Va., $21,210. Noted July 30.

Mich. Detroit—Bd. Water Comrs., 2,420 tons 12 in. and 4,870 tons 24 in. Class "C" pipe to U. S. Cast Iron Pipe & Fdry. Co., Pearl St., Burlington, N. J., $44.45 and $43.30 per ton respectively; 2,500 tons 24 in. Class "C" pipe, to Lynchburg Fdry. Co., Peoples Bank Bldg., Lynchburg, Va., $42.60; 63 tons Class "A" and 47 tons Class "B" special castings, f.o.b. Detroit, to Standard Cast Iron Pipe & Fdry. Co., Bristol, $137 and $177 respectively.

Minn., Fairmont — H. J. Waite, secy. Water & Light Comn., constructing filtration plant, to Gjellefald-Chapman Constr. Co., Forest City, Ia., $49,552. Noted Sept. 10.

Mo., Jefferson City—Capital City Water Co., will build filter plant with six 11 x 49.6 ft. tubs, each m.g. capacity, allowing for double capacity later, by day labor, under supervision of J. H. Chester Eng. Co., engrs. Union Bank Bldg., Pittsburgh, Pa. $125,000.

Ark., Ft. Smith—City will lay 21,000 ft. 2- to 10-in. mains, etc., in various streets, by own forces. H. S. Peck, Ft. Smith, engr.

Tex., Slaton—Atchison, Topeka & Santa Fe Ry., Railway Exch., Chicago, Ill., plans water treating plant, here. $40,000. Work will probably be done by day labor. H. W. Wagner, 1417 Topeka St., Topeka, Kan., ch. engr. Eastern Div.

Sewers

PROPOSED WORK

Mass., Cambridge (Boston P. O.) — Plans sewerage works in Rogers St. $30,000.

R. I., Providence—Plans sewerage works in Sisson and Richmond Sts., Upton and Maplehurst Aves. $25,000. J. B. Ballard, City Hall, chn. Com. on Sewers.

N. Y., Buffalo — Plans Hamburg Canal Drain, rein.-con., 800 ft. long, 16 ft. wide and 13 ft. high. $200,000. C. E. P. Babcock, Municipal Bldg., engr.

Mich., Port Huron—Made plans approximately 6 mi. 12 to 36 in. concrete or vitr. sanitary sewers for North End. E. R. Whitmore, City Hall, engr.

Wis., Kewaskum—S. N. Casper, village clk., making plans 50 g.p.m. sewerage pump, 10 ft. head. J. Donohue Eng. Co., 608 North 8th St., Sheboygan engrs.

Ia., Mitchellville—Making plans sanitary sewerage system. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Sioux City—Soon takes bids 12,635 ft. 15- to 48-in. rein.-con. or monolithic and vitr. clay sewers, etc., in various streets. $96,000. J. H. Mayne, City Hall, engr. Noted Dec. 11.

Mo., Craig—See "Waterworks."

Mo., Mountain Grove—Making preliminary plans sewerage system. $25,000. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs.

Mo., St. Joseph—City rejected bids Aug. 11, storm sewers in Florence Addition. W. K. Seitz, city engr. Noted Aug. 20.

Tex., Anson—See "Waterworks."

Tex., Atlanta—Election Nov. 14, $33,000 bonds, sewerage system. Engineer not announced.

Tex., Carrollton—Election soon $40,000 bonds, sewers in various streets. R. E. Roberts, mayor.

Okla., Altus — Making preliminary plans 14,600 ft. 8 and 10 in. vitr. clay sanitary lateral sewers in Dist. 12. $26,000. L. Chisum, Altus, engr.

Okla., Apache—Making preliminary plans 5 mi. sanitary sewers in all streets and disposal plant. $40,000. E. B. Gregory, mayor. Engineer not selected.

Okla., Ft. Cobb — Making surveys new sanitary sewerage system. $28,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Tipton — Made preliminary plans 9 mi. sanitary sewers in various streets and disposal plant. Election soon $70,000 bonds for same. Gantt-Baker Co., 1116 Main St., Oklahoma City, engrs.

Calif., Los Angeles — See "Streets and Roads."

BIDS DESIRED

N. Y., New York—Sept. 22, by H. Bruckner, pres. Bronx Boro. Municipal Bldg., Crotona Park, Tremont and 3rd Aves., sewers, etc. in Campbell Dr., Agar Pl., Cornell, Bronx River, Leland, Patterson, Commonwealth, Lacombe, St. Lawrence and Beach Aves., and point about 280 ft. north Randall Ave.; sewers in (Cunette inverts only) sewer Easement, Potter Pl., Waterbury, Stadium and Rawlins Aves.

Del., Milford—Sept. 22, at Council Chamber, 19,800 ft. 8- to 15-in. vitr. sewers in various streets. Albright & Mebus, 1502 Locust St., Phila., Pa., consult. engrs.

Md., Salisbury — Oct. 1, by Water & Sewer Comn., C. E. Harper, chn., 500,000 gal. rein.-con. low level reservoir, 20 ton c.i. pipe, etc., contr. 10. F. H. Dryden, ch. engr.; adv. E. N.-R. Sept. 17.

W. Va., Clarksburg — See "Streets and Roads."

N. C., Elizabeth—Sept. 23, by City, sanitary and storm sewers, waterworks, steel tank, dams, etc. W. C. Olsen, Raleigh Bldg. & Loan Bldg., Raleigh, engr.

Fla., Vero Beach—Sept. 24, by H. T. Redstone, city clk., rein.-con. sewage disposal plant, etc. Carter & Dameron, Seminole Bldg., engr.

Ala., Clio—See "Waterworks."

O., Bedford—Sept. 19, by Village, sewer and watermains in Archer, Columbus, Overlook, Paul, Interstate and Broadway Sts. B. T. Wright, Town Hall, engr.

Mich., Caspian—Sept. 22, by O. C. Nelson, village clk., sanitary sewerage system. $30,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs. Noted July 30.

Ill., La Grange—See "Waterworks."

Tex., Houston—Taking bids storm sewers and permanent paving Polk St., etc. $40,000. J. C. McVea, city engr.

Okla., Garber—Oct. 2, by G. L. Matterson, city clk., 10 750 ft. 8 and 10 in. vitr. clay sewers, etc. in 22 blocks various streets. $31,500. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 10.

Ore., Portland—Sept. 30, at office G. R. Funk, city aud., Front St. intercepting sewer and drainage system, incl. seawall along river front. O. Laugaard, city engr.; adv. E. N.-R. Sept. 17.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens boro, Queens Suway Bldg., Sept. 8, sewers, etc. in Sanford Ave., from Peace Bros., 20 Main St., Flushing, $4,561; in Queens Blvd., from Muccini & Decker, 6102 18th Ave., Brooklyn, (a) $18,022 (b) $16,909; Utopia Parkway, from C. Pettracca, 737 Kathleen Court, Brooklyn, (a) $51,373, from J. Gallo, 203 Division St., Brooklyn, (b) $39,964. Noted Sept. 3.

O., Cleveland—From A. J. Galvin, 16509 Claire Ave., 2,780 ft. 12- to 18-in. vitr. tile sewer in Sable Ave., $7,051, 1,255 ft. 12- to 15-in. in La Salle Ave. $3,286, 460 ft. 12 in. in Fenwick Ave. $1,512, 2,535 ft. 12- to 18-in. in Dorchester Blvd. $7,170, 3,410 ft. 12- to 24-in. East Park Dr. $9,184; from Salem & George Bros., Erie Bldg., 2,000 ft. 12 in. in Schenley Ave. $5,607, 2,090 ft. 12- to 15-in. in Fenwick Ave. $5,778, 3,520 ft. 12- to 18-in. in East Park Dr. $9,973, 1,810 ft. 12 in. in Tarrymore Ave. $5,269; from Manson Co., 706 The Arcade 315 ft. 4 ft., 518 ft. 3 ft. 6 in., and 545 ft. 3 ft. 3 in. pipe in culvert south of Crestland Rd., brick $13,630, segmental block $12,800 and concrete $11,888. Noted Aug. 27.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., Sept. 3, Div. R, grit chambers and preliminary settling tanks, incl. 20,000 cu.yd. excav., 11,800 cu.yd. concrete, 550 tons reinforcing, etc., from J. Griffith & Sons Co., 112 West Adams St., $801,666. Noted July 9.

Ark., Morrilton—G. C. Martin, city secy., Aug. 31, 30,000 ft. 8- to 12-in. sewers, etc. in various streets, from Rowan & Rickard, Pine Bluff, $46,295. Noted Aug. 27.

Tex., San Angelo — W. D. Holcomb, mayor, sewerage treatment plant, embracing levees, Imhoff tank, 118 x 234 ft. sprinkling filter, etc., also outfall sewer, 3 siphon river crossings, 4 connecting lateral sewers 4.83 mi. long, 10.03 mi. mains and lateral sewers north of North Conches River, and 10 mi. mains and lateral sewers south and west of North Conches River, from Municipal Excavator Co., San Angelo, $74,000 and $177,733 respectively. Engrs. est. $80,000 and $195,000 respectively. Noted July 30.

Calif., Los Angeles — Los Angeles Co., 5,234 ft. rein.-con. storm drain in Sycamore Storm Drain, Sect. 2, from Los Angeles Industrial Engrs. & Contrs., Inc., 312 Guarantee Bldg., Hollywood, $55,543. Engrs. est. $48,000.

CONTRACTS AWARDED

Mass., Boston—Dept. Pub. Wks., sewerage works in Sumner Brook, Hyde Park, to J. J. Conway, 19 Beethoven St., Roxbury, $22,706. Engrs. est. $25,000. Noted Aug. 27.

Pa., Westmont (Lebanon P. O.) — Borough Council, c/o O. P. Thomas, engr., Park Bldg., Johnstown, 2 mi. 8- to 15-in. terra cotta sewers, etc. in various streets, to D. R. Davis & Co., Johnstown, 27,430. Noted July 30.

Maryland—State Rds. Comn., Baltimore, concrete paving 2.42 mi. State Highway from Priests Bridge towards Upper Marlboro, Prince George Co., Constr. P-42, to Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $77,669; graveling 2.63 mi. road from state road near Pomfret to Benville School, Charles Co. Contr. CH-34, to H. S. Swann, La Plata $17,226, 2.25 mi. road

SEWER—GRAND RAPIDS, MICH.

Following are lowest three bids received by city, July 22, for Marion Lane Relief Sewer Project, Contr. Q-2 (A) Peninsular Construction Co., Grand Rapids (awarded contract); (B) Coolsaet Brothers, Detroit; (C) Brogan & Jensen, Grand Rapids. The unit bids are as follows:

	A.	B	C
4,195 lin.ft. 13.7 cut type "A" sewer—cunette invert	$21 90	$21 20	$22 95
4,195 lin.ft. 13.7 cut type "A" sewer—"V" invert	21 00	20 20	22 45
Junction chamber (lump sum)	350 00	900 00	750 00
530 lin.ft. 10.7 cut 60 in. sewer—monolithic type	13 06		
530 lin.ft. 10.7 cut 60 in. sewer—reinforced concrete pipes		15 50	13 00
460 lin.ft. 10.7 cut 60 in. sewer—pipe furnished by city	6 84	8 00	6 00
475 lin.ft. 11.4 cut 54 in. sewer—monolithic type	10 65		
475 lin.ft. 11.4 cut 54 in. sewer—reinforced concrete pipes		14 00	11 90
Junction manhole (lump sum)	150 00	150 00	200 00
680 lin.ft. 9.6 cut 42 in. sewer—monolithic type	7 52		
680 lin.ft. 9.6 cut 42 in. sewer—reinforced concrete pipes		10 00	7 90
310 lin.ft. 9.3 cut 36 in. sewer—monolithic type	6 58		
310 lin.ft. 9.3 cut 36 in. sewer—reinforced concrete pipes		9 00	7 00
595 lin.ft. 8.9 cut 42 in. sewer—monolithic type	7 40		
595 lin.ft. 8.9 cut 42 in. sewer—reinforced concrete pipes		10 00	7 90
615 lin.ft. 9.1 cut 30 in. sewer—reinforced concrete pipes	5 25	7 00	5 80
325 lin.ft. 9.6 cut 24 in. sewer—reinforced concrete pipes	4 00	6 00	4 50
21 standard manholes—10 ft. or less	60 00	80 00	85 00
50 vert. ft. manholes—additional depth	8 00	9 00	9 00
2,000 vert. ft. underdrain	40	85	60
600 cu.yd. additional earthwork above bottom	1 00	1 00	2 00
100 cu.yd. additional earthwork below bottom	2 00	1 50	3 00
300 cu.yd. rockwork (net price)	5 50	7 00	10 00
100 cu.yd. gravel refilling	2 00	3 00	3 00
50 M. ft. BM. timber left in place	40 00	45 00	60 00
50 cu.yd. additional class "A" concrete	10 00	15 00	18 00
50 cu.yd. additional class "C" concrete	8 00	10 00	16 00
10,000 lb. additional steel reinforcement	05	05	06
5 cu.yd. additional brick masonry	25 00	30 00	30 00
List $1,369.90 a.s.t.m. clay sewer tile	—20%	—50%	—20%
Extended totals with item 1A	$133,314	$142,139	$144,581
Extended totals with item 1B	129,538	137,944	142,483

Sewers (Continued)

from Pomonkey towards Marshall Hall, Charles Co., Contr. CH-33, to J. A. Wilmer, La Plata, $23,183. Grand total $118,078. Noted Aug. 27, Sept. 3 and 10.

Md., Baltimore — City Council storm drains and sanitary sewers, listed in Sewer Dist. J-8 and 38, Storm Water Contr. 88, to W. H. Thompson, Relay, Md., $13,032. Noted Sept. 10.

Md., Catonsville (br. of Baltimore) Comrs. Baltimore Co., Towson 32,520 lin.ft. 6 in. terra cotta sewer as listed in Proposal 5-S, to Carrozza-Rowe Co., 624 North Gilmor St., Baltimore, $144,983. Noted Aug. 20.

W. Va., Clarksburg—Brick surfacing ¾ mi. north side East Pike St., to T. P. Keenan, Clarksburg, $28,503. Noted Aug. 27.

Ala., Birmingham—City, storm sewers in 5 blocks 24th, 25th and 26th Sts., 14th, 15th, 16th and 17th Aves. N, to A. H. Dimijian, Woodward Bldg., $17,028, engrs. est. $22,-500; brick sanitary sewers in 5 blocks Ave. I, Ensley, to J. J. Goddard, 436 Powell St., $10,320, engrs. est. $10,500.

O., Cleveland—For 4,435 ft. 12 and 15 in. vitr. clay sewers in East Blvd., to D. M. Zullo, 706 The Arcade, $29,249. Noted Sept. 10.

O., Columbus — W. H. Duffy, dir. Pub. Serv., 4,930 ft., 6 and 8 in., sanitary sewer in alley east Dresden St., to H. M. Bright, 350 South Hague Ave., $7,206; 12,850 ft. 6- to 12-in. in alley east Eastview Ave., and 6,617 ft. 10- to 20-in., combined sewer in alley north 18th and 20th Aves., to B. Canini, 1705 Shawnee Ave., $17,412 and $18,309 respectively; 746 ft. 6 and 8 in. in Ellsworth Ave., to H. E. Miller Contg. Co., 938 South High St., $1,262; 5,750 ft. 6 and 8 in. in Fairview Ave., to D. W. Sullivan, 951 Mt. Pleasant Ave., $8,090; 1,526 ft. 8 in. in Leonard Ave., to L. B. Wilkinson, Columbus, $3,143; 2,505 ft. 6- to 18-in. in Hamilton Ave., to H. S. Bosler Constr. Co., 1504 Mulford Ave., $11,474; 1,428 ft. 6 and 10 in. in Parsons Ave., to R. F. Riley, Columbus, $4,858. Grand total $71,754. Noted Aug. 13.

Mich., Detroit—Monolithic concrete, brick and vitr. crock sewers, in Pembroke Ave. Arm West, Hubbell Ave. sewer, to Jeynes & Son, 1208 Ford Bldg., $53,448, Fenkell Ave. Arm West, Hubbell Ave. sewer, to Detroit Drainage Constr. Co., Detroit, $39,-379, Harper Ave. Arm West, Cadieux Rd. Sewer, to W. Blanck Co., 40 Seven Mile Rd. East, $14,383, Lateral Sewer 4451, to Michigan Constr. Co., 2237 St. Joseph St., $39,776, Dix Ave. Arm, Lonyo Rd. Sewer, to J. Porath, 903 Transportation Bldg., $108,022, Portlance Ave. Arm, Connors Creek Sewer, to C. R. Lennance Co., 2631 Woodward St., $38,532, Intervale Ave. Arm East, Wyoming Ave. Sewer, to F. Taddeo Constr. Co., 400 Penobscot Bldg., $43,436, Harper Ave. Arm West, Sect. 2 Connors Creek Sewer, to J. A. Mercier Co., 616 Hammond Bldg., $68,913; outlet weir for Lonyo Rd. Sewer, at Dix Ave. and Baby Creek, to A. Phelps & Son, Detroit, $97,400. Grand total $1,379,889. Noted Aug. 27.

Mich., L'Anse—A. G. Ohman, city clk., 3 mi. 8- to 15-in. pipe, to J. Bernidl, Sault Ste. Marie, $44,186.

Tex., Houston—Sanitary sewers in Smith St. from Washington Ave. to Capitol Ave., and in Capitol Ave. from Smith St. to Louisiana Sts., to C. K. Horton, 2202 Clay St., $27,345. Noted Sept. 10.

Tex., Schulenburg — Sanitary sewerage system and disposal plant, to Kirkwood & Wharton, 400 Main Ave., San Antonio, $25,-633. Engrs. est. $25,633. Noted Sept. 10.

Tex., Weslaco — Sewerage system, to W. L. Pearson & Co., 1st Natl. Bank Bldg., $21,000. Engrs. est. $25,000. Noted March 26.

Colo., Denver — Sanitary sewer in Valverde Special Sanitary Sewer Dist. 1, to D. Gibbons & Sons, 1308 Bannock St., $43,-716. Noted June 11.

Calif., Brea—Constructing Imhoff tanks, filters, etc., to R. F. Ware, 2146 East 38th St., Los Angeles, $33,205.

Calif., Los Angeles — Sanitary sewers in Van Ness Ave., etc., to J. M. Housley, 1928 Claudina St., $107,708; in 35th St. between Grand Ave. and Hope St., etc., to W. Liddington, 420 East 60th St., $3,078; in Flora Ave., etc., to C. Marks, $720; and in 63rd St. between Normandie and Westerly Aves., to City Sewer Constr., $50,815. Grand total $162,321. Noted July 9.

Calif., Santa Barbara — City, H. Nunn, mgr., repairing sewage disposal plant and pumping station, to Merritt-Chapman-Scott Corp., 17 Battery Pl., New York City.

Ont., Windsor—City, 2½ mi. 12 to 30 in. concrete sewers in various streets, to Premier Constr. Co., 924 Windsor St., Walkerville, $43,205. Engrs. est. $45,000.

B. C., Point Grey—Laterals in various streets to Cutt & Mellis, 5801 East Boulevard, Vancouver, $20,504; 24 to 42 in. monolithic concrete trunk sewers in various streets, to Harrison & Lamond, 602 Hastings St. W., Vancouver, $58,533. Engrs. est. $80,000.

B. C., Point Grey—Vancouver & Dist. Joint Sewage Bd., Vancouver, 2,546 ft. 3½ ft. and 4 ft. rein.-con. and 2,546 ft. 8 in. vitr. trunk sewers in Marine Dr., here, to F. A. Dawson, 903 Behrins Bldg., Vancouver, $33,799. Engrs. est. $38,000.

Waste Disposal

PROPOSED WORK

N. J., Asbury Park—City plans incinerator. E. F. Hetrick, mayor. Engineer not selected.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Sept. 8, refuse destructor on Betts Ave., near Laurel Hill Blvd., from Hudson City Eng. & Constr. Co., 25 Hunterspoint Ave., $295,600; plumbing, from T. E. O'Brien, 6311 5th Ave., Brooklyn, $6,172. Noted Sept. 3.

Bridges

PROPOSED WORK

North Carolina—State Hy. Dept., Raleigh, plans rein.-con. bridges and culverts in Johnston Co. $27,000, Robeson Co. $94,000, Forsyth Co. $45,000, Iredell Co. $40,000, Davidson Co. $29,315, Stokes Co. $30,000, and Haywood Co. $45,000. C. M. Upham, highway engr.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., take bids about Oct. 1, 3 span 400 ft. steel and concrete bridge, 118 ft., over Lagoon, on continuation of 12th St., $1,000,000; and 100 ft. steel and concrete over channel, at 39th St., $200,000. L. White, 57th St. and Cottage Grove Ave., ch. engr. Noted Aug. 13.

Kan., Abilene—See "Streets and Roads."

Kan., Arlington — Reno Co. soon takes bids 100 ft. rein.-con. and steel bridge, 20 ft. roadway, over Ninescah River, on Project 232, near here. $30,000. W. A. Stacey, Hutchinson, engr.

Kan., Wichita—Sedgwick Co. plans five 80 ft. span rein.-con. bridge, 18 ft. roadway over Arkansas River, at 13th St. M. Roseberry, Court House, engr.

Kan., Winfield—Cowley Co. making preliminary plans one 40 ft. I-beam and one 120 ft. truss span bridge, 18 ft. roadway over Grouse Creek. W. S. Ruggles, Jr., Winfield, engr.

Neb., Niobara — Knox Co. (Center) and State Hy. Dept., Lincoln, making preliminary plans eight 80 ft. low riveted truss bridge, 18 ft. roadway, etc. over Niobara River, two miles west of here. R. L. Cochran, Lincoln, state highway engr.

Missouri—State Hy. Dept., Jefferson City, making plans three 20 ft. rein.-con. slab spans, etc. over branch, three 24 ft. rein.-con. slab spans, etc. over west fork, both in Barton Co.; three 40 ft. rein.-con. deck girder spans, etc. over Goose Creek, Cape Girardeau Co.; one 70 ft. and five 20 ft. rein.-con. slab spans, etc. on Sta. 376, Dade Co.; one 45 ft. rein.-con. deck girder span, etc. over Thompson Branch, one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc. over lower branch, both in Gentry Co.; one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc. over Missouri Pacific R.R. tracks, Jefferson Co.; three 24 ft. rein.-con. slab spans, etc. over St. Louis & Hannibal R.R. tracks, two 70 ft. steel truss and five 20 ft. rein.-con. slabs, etc. over Spencer Creek, and three 35 ft. rein.-con. deck girder spans, etc. over Plum Creek, all in Ralls Co.; one 16 ft. and two 14 ft. rein.-con. slab spans, etc. over Ragdens Slough, one 18 ft. and two 16 ft. rein.-con. slab spans, etc. over Vaney River D.D., one 24 ft. and two 20 ft. rein.-con., slab spans, etc. over drainage ditch and thirty 20 ft. I-beam spans, etc. over St. Francis River all foregoing in Dunklin Co. B. H. Piepmeier, ch. engr.

Tex., Albany—See "Streets and Roads."

Tex., Austin—See "Streets and Roads."

Tex., La Grange — See "Streets and Roads."

Tex., Orange—Orange Co., and Louisiana Hy. Comn., Baton Rouge, La., takes bids after Oct. 1, rein.-con. and steel bridge across Sabine River, on Highway 3, here. $300,000. R. J. Hank, Austin, engr. G. Wickline, 912 West 22nd St., Austin st. bridge engr. Noted June 18.

Wash., Hoquiam — Syndicate, c/o R. Oldham, Hoge Bldg., and E. L. Sk Alaska Bldg., Seattle, plan toll bridge, he $500,000. W. L. Lovejoy, city engr.

Wash., Seattle—Comrs. King Co. maki preliminary plans new draw bridge ov Duwamish Waterway, at 14th Ave. $200,000. D. Evans, 1522 33rd St., engr.

BIDS DESIRED

New Jersey — Sept. 28, by State H Comn., Trenton, 5 bridges over branch Rockaway Creek on Route 9, Sect. 1 between White house and Lebanon. A. L. Grover, secy.; adv. E. N.-R. Sept. 17.

Pennsylvania—See "Streets and Roads."

Va., Lynchburg—Oct. 12, at office E. A Beck, city mgr., Municipal Bldg., trans forming wrought iron viaduct into rein.-con structure, known as Rivermont Viaduct across Blackwater Creek; adv. E. N.-R Sept. 17.

North Carolina — See "Contracts Awarded."

Louisiana—See "Streets and Roads."

Ohio — Sept. 25, by Dept. Highways & Pub. Wks., Columbus, concrete arch bridge in Allen Co., $12,603; 246 ft. concrete bridge in Coshocton Co., $21,671; concrete girder bridge in Lake Co., $5,838; bridge and culverts in Morgan Co., $42,332; bridge over Little Beaver Creek, Pike Co., $8,166; bridge in Warren Co., $15,178; bridges in Tuscarawas Co., $39,575, and in Warren Co., $15,178. A. V. Donaheys, div. engr.

O., Akron — Sept. 28, by W. F. Peters, dir. Pub. Serv., temporary 600 ft. steel and timber viaduct, over East Exchange St., railroad crossing, 44,000 lb. new and 153,000 lb. old steel, 354,000 ft. timber, etc. $48,-600. E. A. Kemmler, Delaware Bldg., engr.

O., Cincinnati—Sept. 23, by Director Pub. Serv., 1 span, 170 ft. concrete bridge, at Mitchell Ave. $136,000. F. Krug, City Hall, engr. Noted June 11.

Indiana — Sept. 29, by J. D. Williams, dir. State Hy. Comn., Indianapolis, (**r.c.a. means rein.-con. arch, r.c.g. rein.-con. girder, s.t. steel truss, r.c.s. rein.-con. slab, e.p.g. encased plate girder, and S. R. State Road**), 1 r.c.a. and 1 r.c.g. on S. R. 15-L, Johnson Co.; 3 s.t. on S. R. 15-L, Huntington and Allen Counties; 2 r.c.g. and 1 s.t. on S. R. 30-L, Noble and Whitley Counties; 1 s.t. and 1 r.c.g. on S. R. 30-L, Noble Co.; 1 r.c.g. and 1 s.t. on S. R. 15-L, Green Co.; 2 s.t. on S. R. 15-L, Adams and Allen Counties; 1 s.t., 1 r.c.g. and 1 r.c.s. on S. R. 15-L, Monroe Co.; 1 s.t. on S. R. 15-L, Clinton Co.; 1 r.c.g. on S. R. 20-L, Carrol Co.; 1 e.p.g. on S. R. 71-R, Marion Co.; 1 s.t. on S. R. 71-R, Fayette Co.; and 1 s.t. on S. R. 71-L, Cass Co.

Minnesota—See "Streets and Roads."

Kan., Hiawatha—Sept. 23, by C. A. Ford, clk. Brown Co., two 30 ft. I-beam and one 70 ft. pony truss span bridge over Wolf River, on Federal Aid Project 265-C. S. K. McCreary, Hiawatha, engr.

Tex., Houston—Sept. 28, by O. F. Holcombe, mayor, rein.-con. bridge, with 100 ft. steel bascule lift span, concrete pier and approaches across Buffalo Bayou, for City and Harris Co. $250,000. J. C. McVey, city engr. Howe & Wise, 816 1st Natl. Bank Bldg., engrs. Noted June 25.

Washington—Oct. 6, by State Hy. Dept., Olympia, 220 ft. steel truss span bridge with concrete approaches, etc., over Washougal River, on State Rd. 8, Clarke Co. J. H. Hoover, highway engr. Noted Aug. 6.

New Zealand, Wellington—Sept. 29, by Secretary Pub. Wks., Supplies & Tenders Com., Government Bldg., for Hutt River Bridge, thirty-two 45 ft. deck plate girder spans, on Wellington-Napier Ry.

New Zealand, Wellington—Nov. 17, by Secretary Pub. Wks., Supplies & Tenders Com., Government Bldg., constructing steel and iron work for piers and superstructures of Matahoura and Waikoau Bridges, on Napier-Wairoa Ry.

BIDS RECEIVED

Vermont—See "Streets and Roads."

Pa., Phila.—Pub. Wks., Bureau of Engineering, Sept. 9, 76 ft. steel encased concrete bridge, 70 ft., to carry 2nd St. over Luzerne St., from Brown-King Co., Merchants Trust Co. Bldg., $77,973. Noted Sept. 3.

South Carolina—State Hy. Dept., Columbia, Santee River Bridge and approaches on State Route 30, Federal Aid Project 252, Clarendon-Orangeburg Counties, substructure, from Atlantic Bridge Co., Roanoke, Va., $48,539 and $40,601 respectively,

Bridges (Continued)

timber trestle, from T. P. Wright & Co. East Point, Ga. $225,391, embankment, from Duplin Constr. Co., Warsaw, N. C. $73,672; also 253 ft. rein.-con. bridge over Enoree River, on Greenville-Spartanburg Highway, Greenville Co., from Piedmont Constr. Co., Greenville, $30,141. Noted Aug. 6 and 27.

Michigan—State Hy. Dept., Lansing, constructing 137 ft. bridge File 4113001 Kent Co., from W. Marshall & Son, Galesburg, $52,185.

Ill., Chicago—South Park Comrs., 47th St. and Cottage Grove Ave., Sept. 2, bridges and foundations over Illinois Central R.R. tracks, north of 12th St., Grant Park, from V. Brundage, 110 South Dearborn St., $789,990. Noted Aug. 13.

CONTRACTS AWARDED

Mass., Dartmouth — Repairing various concrete, steel and timber bridges to R. H. Beatties, Buffingham Bldg., Fall River, $50,-771.

Conn., Waterbury—Bd. Pub. Wks., 2 span concrete bridge over Naugatuck River, at Freight St., to C. W. Blakeslee & Sons, Waverly St., New Haven, $206,000. Noted Aug. 27.

North Carolina — State Hy. Comn., Raleigh, will build rein.-con. bridge over Piney Marsh, on Project 193, in Tyrrell Co., by day labor, $80,000; rein.-con. bridge, on Project 594, in Rockingham Co., to G. P. Clay, 204 South Mulberry St., Richmond, Va., $27,585; and rein.-con. bridge, on Project 720-B, Caldwell-Catawba Counties, to Booz-Boyd Co., Wilkesboro, $119,419. Noted Sept. 3.

Louisiana — State Hy. Comn., Reymond Bldg., Baton Rouge, constructing trestle over Sabine Marsh, to W. H. Smith, Jr., Alexandria, $165,414.

La., Bastrop—Morehouse Parish, 374 ft. creosoted timber approach and 100 steel span bridge, at Wards Ferry, and 459 ft. creosoted timber approach and 100 ft. steel span bridge at Vester Ferry, both over Bayou Bartholomew, to Vincennes Bridge Co., Vincennes, Ind., $27,700.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, fifty-one 26 ft. concrete, and one 100 ft. steel span bridge, incl. earthwork approaches over Forked Deer River, Federal Aid Project 39-D, to W. C. Baird & Co., Nicol Bldg., Nashville, $127,-645, 3 over 20 ft. span rein.-con. bridges between Crockett Co. line and Federal Aid Project 39-A, State Aid Project 302, to Mautz & Oren, Effingham, Ill., $36,033, all above in Dyer Co.

O., Columbus—See "Streets and Roads."

Michigan — State Hy. Comn., Lansing, constructing Trunk Line Bridge 091,301, Saginaw Co., to W. Willits, Addison, $66,-158.

Ia., Cedar Rapids—Linn Co., bridges on Road 11, to H. O. Graham Co., 807 Security Bldg., $46,928; on Road 7, to P. Jayne, Marion, $10,355; on Road 12, to Buscher Constr. Co., Burlington, $18,575.

Arkansas—See "Streets and Roads."

Tex., San Angelo—E. V. Spence, city mgr., 380 ft. rein.-con. arch bridge across Concho River, to K. S. Hull, Jr., Temple, $41,783. Engrs. est. $50,000. Noted Aug. 6.

Idaho—See "Streets and Roads."

Wash., Tacoma—State Hy. Dept., Olympia, 2,833 ft. steel and rein.-con. viaduct across Puyallup River, on State Rd. 1, Pierce Co., to Grant Smith & Co., 845 Henry Bldg., Seattle, $664,910. Noted Aug. 6.

Calif., Sacramento — State Hy. Comn., undergrade crossing under Sacramento Northern R.R., near here, Yolo Co., to Lord & Bishop, Napa, $21,258. Engrs. est. $26,-005. Noted July 30 under "California."

Que., Montreal — Harbor Comrs., Montreal, substructure northern section Montreal-South Shore Bridge, incl. 26 piers, 62,000 cu.yd. concrete, 350 tons steel, etc., to Dufresne Constr. Co., Ltd., 436 Piety Blvd. Noted Aug. 20.

Dams

PROPOSED WORK

Me., Lewiston—Central Maine Power Co., W. S. Wyman, Augusta, mgr., plans concrete dam in Androscoggin River. To exceed $25,000. F. W. Mason, Waterville, co. engr. Noted Feb. 19.

Railways

BIDS DESIRED

Quebec—Sept. 25, at office T. T. Irving, ch. engr. Canadian Natl. Railways, Room 436 New Union Sta., Toronto, Ont., completing grading, fencing, culverts, etc., on China Clay Extension, from China Clay Mine to Remi d'Amherst, 2½ mi., in Amherst Twp., Papineau Co. $150,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., soon take bids dredging from bed of lake to make fill from 23rd St. to 39th St. along lake shore, incl. 2,678,00 cu.yd. excav., etc. L. White, 57th St. and Cottage Grove Ave., engr.

BIDS DESIRED

Mass., Milford—Bd. Health taking bids dredging, widening and straightening channel in Charles River Valley, 7,000 cu.yd. earth and 200 cu.yd. rock excav. Former bids rejected. F. H. Lally, chn. Noted Aug. 27.

La., New Orleans — Oct 14, by New Orleans Levee Bd., New Court House Bldg., (1st unit) sea wall project, incl. pumping sand from bottom from Lake Pontchartrain from Spanish Fort to Seabrook, etc., 10,-000,000 cu.yd. earthwork.

Ill., Waggoner—Sept. 25, by Drainage Commissioners Sub-Dist. 4, of Dist. 2, town of Pitman, Montgomery Co., at Town Hall, here, cleaning 20,350 ft. main surface ditch and 6,640 ft. branches, incl. 31,536 cu.yd. excav., etc. G. L. Lewis, Waggoner, and J. W. Dappert, Taylorville, engrs.

Wis., Fond du Lac—City Park Bd., J. Hohensee, secy., taking bids dredging in Lakeside Park. $25,000.

Wis., Milwaukee—E. Brielmaier & Sons, archts., 432 Bway., taking bids excavation for 4 story and basement, 77 x 100 ft., brick and concrete addition, plain foundation, Center St., for St. Marys Convent, 3502 Center St. Total cost $150,000. Noted Aug. 27 under "Buildings—Commercial."

Nova Scotia—Sept. 22, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldg., Ottawa, dredging in East River, here. $20,-000.

BIDS RECEIVED

Mass., Falmouth—Dept. Pub. Wks., Div. Waterways, Boston, dredging about 22,500 cu.yd. material and removing 100 tons boulders in West Falmouth Harbor, from Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $11,175. Noted Sept. 3.

New Jersey — Conservation & Development, State Bldg., Trenton, reconstructing and dismantling Sect. 116-127 Morris Canal, in Little Falls, West Paterson and Paterson, from Dyer-Kane Co., 125 Prospect St., Passaic, $91,174. Noted Aug. 20.

Calif., Los Angeles — Dredging 590,000 cu.yd. channel in Los Angeles Harbor, from Western Dredging Co., 58 2nd St., San Francisco, at $0.235 per yd.

CONTRACTS AWARDED

La., Shreveport — Bd. State Engineers, New Court House Bldg., New Orleans, constructing new levee and extending Ferryfield Levee, 95,000 cu.yd. excav., in Caddo Parish, to Douglas, Buchanan & Co., Shreveport. Bids rejected for 10,600 cu.yd. on Upper Crobin Teele Levee.

Ill., Annawan—Comrs. Mud Creek D. D., Henry Co., enlarging Mud Creek D. D., dredging, to R. C. McWilliams Dredging Co., 332 South Michigan Blvd., Chicago, $28,600, tiling, to D. M. Wisely & Son, Sheffield, $8,583. Engrs. est. $40,000.

Wis., Milwaukee — R. B. Williamson, archt., 405 Bway., excavation for 2 story and basement, 160 x 182 ft., rein.-con. and brick theatre, etc., plain foundation, Kinnickinnic Ave., to C. F. Wussow, 1065 39th St., for Bay View Theatre Co., 174 2nd St. Archts. total est. $350,000. Noted Feb. 19 under "Buildings—Commercial."

Tex., Wharton—J. P. Markham, engr., Wharton, cleaning out and improving 14 mi. Colorado River, in Wharton and Matagorda Counties, to Howard Kenyon Dredging Co., Houston, for Wharton Co. Conservation & Reclamation Dist. 1, c/o D. A. Dickson, chn. $485,000. Noted Aug. 6.

Ont., Sault Ste Marie—Dept. Pub. Wks., Ottawa, dredging, here, to Soo Dredging & Constr. Co., 604 Queen St. E., Sault Ste Marie. Noted July 23 under "Ontario."

B. C., Esquimalt—Dept. Pub. Wks., Parliament Bldgs., Ottawa, Ont., excavating and dredging 10,000 cu.yd. rock from entrance to new drydock, here, to Northwestern Dredging Co., Ltd., 510 Hastings St., W., Vancouver, $40,000.

Streets and Roads

PROPOSED WORK

Mass., Boston — Dept. Pub. Wks., plans constructing and extending Clarendon St. from Beacon St. to Charles River Embankment, Boston Proper, to exceed $25,000; also reconstructing and improving Thurston and Gold Star Sts. East Boston, $25,-000. J. A. Rourke, comr.

Mass., East Boston (Boston P. O.) — Dept. Pub. Wks., Boston, plans widening Lexington St. from Meriden to Shelby Sts. $25,000. J. A. Rourke, comr.

Mass., Quincy (Boston P. O.) — Plans widening Crescent, Beach, Washington and Franklin Sts. at junction of crossings. To exceed $25,000. Private plans.

Mass., Wareham — Plans reconstructing Gibbs Crossing and road from Sawyer Rd. to Onset. $25,000 or more. Cost to be borne by Town, Plymouth Co. (Plymouth) and State. Bd. Selectmen, Wareham, engr.

Conn., Hartford—Plans widening curbing and paving Barbour St. $36,000. R. W. Clark, city engr.

N. J., Freehold — Monmouth Co., plans paving 2.25 mi. Sea Girt-Manasquan Rd., Westwood Ave., Long Branch and Luncroft-Newman Spring Rd. G. K. Allen, Red Bank, engr.

N. J., Trenton—Mercer Co., plans improving new section of Sanhican Dr., here, and on outskirts. $70,000. H. F. Harris, Trenton, engr.

W. Va., Morgantown — Monongalia Co. plans surfacing 12 mi. various roads in Batelle Dist. from Marion Co. line to Pennsylvania state line, 16 ft. $360,000 bonds voted. A. J. Baritell, Morgantown, engr. Noted Aug. 27.

North Carolina — State Hy. Comn., Raleigh, rejected bids Aug. 25, grading and sand asphalt paving 15.33 mi. Project 219-B, Duplin-Lenoir Counties, $268,000; grading and waterbound macadam paving 12.08 mi. Project 514, Caswell Co., $141,000. Will readvertise. Noted Sept. 3.

North Carolina—State Hy. Dept., Raleigh, plans grading, concrete or asphaltic surfacing 7.532 mi. roads in Anson Co. $238,-900, 7.596 mi. roads in New Hanover Co. $237,133, 11.836 mi. roads in Camden-Currituck Counties $185,500, 10.184 mi. roads in Wilson Co. $366,463, 7.364 mi. roads in Burke Co. $258,151, 10.114 mi. roads in Cumberland Co. $343,900, 12.041 mi. roads in Nash-Edgecombe Counties $390,500, 13.246 mi. road in Johnston Co. $417,735, 10.138 mi. road in Cleveland Co. $325,166, 11.516 mi. roads in Davidson Co. $391,531; clearing and grading 11.606 mi. roads in Johnston Co. $50,000, 4.125 mi. roads in Haywood Co. $54,500, 9.114 mi. roads in Stokes Co. $73,500, 4.604 mi. roads in Forsyth Co. $39,239, 9.882 mi. roads in Wake Co. $41,000, 12.388 mi. roads in Robeson Co. $92,704; clearing, grading and surfacing 11.1 mi. roads in Moore Co. $80,-000, 7.4 mi. roads in Wilson Co. $50,000, 9.7 mi. roads in Sampson Co. $70,000; clearing, grading and topsoiling 10.148 mi. roads in Warren Co. $69,648. C. M. Upham, Raleigh, highway engr.

Fla., Live Oak — Suwannee Co., election Sept. 29, $200,000 bonds, constructing Suwannee River Blvd.; $300,000 bonds, road near Welburn to point about 10 mi. south; $500,000 bonds, road from Live Oak to River Bridge, at Dowling Park; $500,000 bonds, road from Live Oak to Lauraville Bridge $1,000,000 bonds, road from Suwannee River Bridge to Brandford. J. W. Bryson, clk.

Fla., Tampa—Hillsborough Co., election Sept. 30, $25,000 bonds paving portion of Osborn Ave.; also $50,000 bonds, 22nd St. W. A. Dickenson, clk.

O., Lisbon — Columbiana Co., plans improving about 1 mi. Wellsville-Salineville Rd., $25,161, and Youngstown-East Liverpool Rd., $573,743; brick paving East Liverpool-East Palestine Rd., $240,668, and Leetonia-Washingtonville Rd., $27,409. L. C. Kirk, Lisbon, engr.

O., Lisbon—Columbiana Co., plans brick paving Salem-Hanover Rd., Hanover and Butler Twps., $200,509; improving Summitville-Salineville Rd., Washington, Franklin and Hanover Twps., $250,000. L. C. Kirk, Lisbon, engr.

O., Lisbon—Columbiana Co., takes bids in spring improving Lisbon-Salineville Rd. $198,620, Elkton-Clarkson Rd. $192,103, Columbiana-New Waterford Rd. $94,019, Georgetown-Salem Public Rd. $274,860, Moultrie-Stark Co. line Rd., West Twp. $48,-202, and Homeworth-North Georgetown Rd. $69,415, brick paving Rogers-Negley Rd., $163,823. L. C. Kirk, Lisbon, engr.

O., Marion—Plans widening West Center St. $25,000. T. C. Cathers, Marion, engr.

Ill., Pittsfield — Plans grading, clearing, grubbing and concrete surfacing 10,000 ft. various streets. $85,000. Caldwell Eng. Co., Jacksonville, engrs.

Ill., Rockford — Plans grading, curbing and brick surfacing 16 blocks North 2nd St. $96,300. B. C. Harvey, City Hall, engr.

Ia., Pleasantville — Plans paving, etc. 8 blocks various streets. $35,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minnesota — State Hy. Dept., St. Paul, soon takes bids grading, etc. 200,000 cu.yd.

Streets and Roads (Continued)

State Project 6-45, Sects. 1 and 2 Warren-Euclid Rd., Federal Aid Project 378. $40,000. Highway Dept., engrs.

Minn., New Ulm—Plans paving 8 blocks Minnesota St. and Bway. $35,000. F. D. Minium, city engr.

Kan., Abilene—Dickinson Co. soon takes bids grading, bridging, etc. 15.462 mi. Federal Aid Project 29, Sects. A, B and C, 28 ft. C. Nicholay, Court House, and Kansas Eng. Co., 1233 Western St., Topeka, engrs. Noted June 18.

Kan., Kansas City—Wyandotte Co. made plans concrete surfacing 1 mi. Fort to Fort Rd., and 1.72 mi. Walcott Rd., Federal Aid Project 309, both 18 ft. O. K. Williamson, Court House, engr.

Missouri—State Hy. Dept., Jefferson City, making plans 30 ft. grading 25.344 mi. various roads in Audrain, Ralls, Jefferson and St. Charles Counties; 12 ft. chats surfacing 17.512 various roads in Cedar, Dade and Barton Counties; 16 ft. gravel surfacing 19.147 mi. roads in Dunklin, Cape Girardeau, Grundy and Cedar Counties; 18 ft. gravel surfacing 15.799 mi. roads in Wayne, Putnam and Gentry Counties, and 20 ft. gravel surfacing 20.5 mi. roads in Gasconade and Franklin Counties. B. H. Piepmeier, ch. engr.

Mo., Kansas City—Making plans concrete paving Troost Ave. between 65th St. and city line. To exceed $25,000. P. McGeehan, City Hall, engr.

Arkansas—State Hy. Dept., Little Rock, soon takes bids grading, gravel surfacing, etc. 10 mi. Camden-Stephens Rd., Federal Aid Project 223-A, 18 ft., Ouachita Co. R. C. Limerick, highway engr.

Tex., Albany—Shackelford Co., making plans grading and bridging 13.59 mi. State Highway 18, Federal Aid Project 477-B, 26 ft. $53,000. J. E. Perle, Albany, engr.

Tex., Austin — Travis Co. making plans grading and bridging 5.35 mi. State Highway 29, 26 ft. $35,000. O. Leonard, Austin, engr.

Tex., Crosbyton—Crosby Co. voted $35,000 bonds, improving roads in Ralls Dist. Address J. W. Mabe, Crosbyton, co. judge.

Tex., Cuero—De Witt Co., election Oct. 6, $300,000 bonds and constructing roads in Yorktown Dist. Terrell Bartlett Engineers, Calasieu Bldg., San Antonio, consult, engrs. Noted March 12.

Tex., Hillsboro—Hill Co. election Sept, 26, $85,000 bonds, improving 13 mi. highway in Blum Dist. 16, 18 ft. Address O. Culberson, Hillsboro, co. judge.

Tex., Houston — Made plans and soon takes bids permanent paving, etc. Polk Ave. $40,000. J. C. McVey, city engr.

Tex., Kingsville — Making preliminary plans hardsurfacing various business streets. $200,000 or more. L. Gantry, Harlington, engr.

Tex., La Feria—Making plans paving various streets. $100,000. Engineer not announced.

Tex., La Grange — Fayette Co. making plans grading, bridging and gravel surfacing 8.47 mi. State Highway 71, Federal Aid Project 417-B, 18 ft. $150,000. R. E. Schiller, La Grange, engr.

Tex., Lampasas—Lampasas Co., election soon $800,000 bonds hard surfacing 75 mi. various roads and paving Lampasas Sq. Engineer not selected.

Tex., Sherman — Election soon $125,000 bonds, paving 28 various streets. J. A. Henderson, city secy. Engineer not announced.

Tex., Sherman — Grayson Co. defeated $5,800,000 bonds, constructing various roads in Grayson Co., R. M. Carter, co. judge. Noted Aug. 20.

Tex., Snyder—Scurry Co. defeated $650,000 bonds, improving various roads. H. L. Holley, co. judge.

Tex., Temple—Soon takes bids paving 2 blocks North 2nd St. north from French Ave.; South Main St. from Ave. H. to Ave. L.; Ave. A from 4th to 16th Sts., and Adams Ave. from Main St. to city limits. $80,000. Engineer not announced.

Tex., Texarkana—Voted $600,000 bonds, paving various streets. O. Yenglin, city engr. Noted Aug. 20.

Okla., Altus—Making preliminary plans grading, curbing and sheet asphalt surfacing 5,500 sq.yd. Live Oak, 7th and 9th Sts. $35,000. S. E. Huckman, mayor. Engineer not selected.

Okla., Braman — Making preliminary plans grading, curbing and vertical fibre brick surfacing 9,100 sq.yd. Main St. $45,000. F. B. King, Grain Exch. Bldg., Oklahoma City, engr.

Okla., Chattanooga—Making preliminary plans grading and concrete surfacing 6,700 sq.yd. Main St. $26,000. Engineer not selected.

Okla., Claremore — Making preliminary plans grading, curbing and concrete surfacing 10,600 sq.yd. 3rd St. $33,000. A. H. Jennings, Claremore, engr.

Okla., Frederick — Making preliminary plans grading and concrete surfacing 8,300 sq.yd. South 9th, 10th, 11th and 14th Sts. $25,000. Engineer not selected.

Okla., Hobart — Voted $56,000 bonds, grading, curbing and concrete surfacing 17,000 sq.yd. 5th, Hill and Bailey Sts. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Lindsay — Plans grading, curbing and vertical fibre brick surfacing 7,850 sq.yd. Choctaw, Cherokee and Chickasaw Sts. $30,380. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Seattle — City Planning Comn., plans boulevard approach 5 blocks long, 160 ft. wide, to University of Washington campus from University Bridge. $360,000. Bebb & Gould, Hoge Bldg., archts.

Calif., Los Angeles — Dept. Pub. Wks., takes bids about Oct. 3, grading, curbing, guttering, sidewalks, and sheet asphalt on concrete paving approximately 3,600 ft. Terrace Heights, Evanston and 108th Sts., Venice Blvd., Philps Way, Kerchoff and Wilcox Aves. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Los Angeles — Voted $1,250,000 bonds street and sewer improvements. Noted Sept. 10.

Calif., Oakland—Making plans repaving Grand Ave. from El Embarcadero to Mandana Blvd. $100,000. W. W. Harmon, city engr.

Calif., Palo Alto—City Council plans improving Palo Alto Ave., and widening embarcadero road from Southern Pacific Ry. tracks to state highway. $9,000. J. F. Boybee, Jr., city engr.

Calif., San Diego — Common Council plans improving 21st St. and Julian Ave., 216,627 sq.ft. 1½ in. Warrenite bitulithic on 2½ in concrete paving, 5,008 sq.ft. concrete sidewalk, 1,122 ft. curbing, 1,500 sq.ft. 1½ in. Warrenite bitulithic top, etc. F. A. Rhodes, city engr.

Ont., St. Catharines—Plans asphalt paving St. Paul St. $75,000. B. F. Lamson, City Hall, engr.

BIDS DESIRED

N. Y., New York—Sept. 24, by Park Bd., Dept. Parks, Arsenal Bldg., 64th St. and 5th Ave., F. D. Gallatin, pres., reconstructing and repaving Orchard Beach Shore Rd., and connecting road from Bath Houses to Old City Island Rd., in Pelham Bay Park; 4 park plots in center of Bway. between 137th and 138th Sts., 147th and 148th Sts., 151st and 152nd Sts., and 166th and 167th Sts.; laying walks and asphaltic repaving Tompkins Sq. Park.

N. Y., Richmond Hill (Ind. br. Jamaica) —Sept. 24, by Dept. Parks, Arsenal Bldg., 64th St. and 5th Ave., New York City, F. D. Gallatin, pres. improving road in Forest Park, here.

N. Y., Yonkers—Sept. 29, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading, etc. Tibbetts Brook Dr., here, Contr. 46. J. Downer, ch. engr.; adv. E. N.-R. Sept. 17.

N. J., Neshanic (Neshanic Station P. O.) —Sept. 21, by Hillsborough Twp. Com., grading and penetration macadam paving 5,138 sq.yd. Montgomery Spur Rd. G. Davis, Whitehouse Station, engr.

N. J., Somerville—Sept. 25, by Somerset Co., constructing New Jersey Turnpike Sect. 1, 1,155 cu.yd. excav., 4,731 sq.yd. concrete, 193 lin.ft. 15 in. pipe, etc., or alternate 1,374 cu.yd. excav., 4,731 sq.yd. surface type C rein.-con., 193 ft., 15 in. pipe, etc. H. C. Van Emburgh, Somerville, engr.

N. J., Trenton—Sept. 22, by Freeholders Mercer Co., 10,000 gal. tar for cold application on Trenton-Hopewell Rd. H. F. Harris, Court House, engr.

Pennsylvania—Oct. 2, by State Hy. Dept., Harrisburg, constructing approximately 14 mi. of 6 projects, also three span through truss bridge. P. D. Wright, secy. highways; adv. E. N.-R. Sept. 17.

Pa., Lewiston—Oct. 5, by H. E. Fetterolf, boro secy., City Hall, Main and 3rd Sts., concrete, brick or tarvia paving Brown 3rd and South Wayne Sts. C. C. Brown, boro engr.

Maryland — Sept. 22, by State Roads Comn., Baltimore, concrete paving 1 mi. state highway from end Contr. D-31 towards Lloyds, Dorchester Co., Contr. D-37. J. N. Mackall, chn.

D. C., Wash.—Sept. 18, by District Commissioners, grading various streets.

W. Va., Clarksburg—Sept. 22, by D. H. Hamrick, city clk., concrete surfacing, sewers, etc., in Monticello Ave., Camden, North 15th and North 20th Sts., 3,050 ft. concrete curbing, 1,800 cu.yd. excav., etc. L. N. Doyle, Clarksburg, engr.

W. Va., Glenville—Sept. 30, by Gilmer Co., improving 6 mi. Sand Fork Creek-Braxton Co. line Rd., Glenville Dist., Project 3280-B; and 3.5 mi. Glenville Dist. line-Third Run Rd., DeKalb Dist., Project 1. N. E. Rymer, co. clk.

W. Va., Hamlin — Sept. 21, by Lincoln Co., grading 2.5 mi. Sect. A, Griffithsville-Washington Dist. Rd., $38,000; and 2.5 mi. same road Sect. B, $39,000, both 16 ft. G. W. Nelson, Hamlin, co. engr.

N. C., Graham—Sept. 24, by City, improving various streets, 1,750 cu.yd. excav., 5,160 sq.yd. old pavements broken up and removed, 7,430 sq.yd. concrete or asphaltic paving, etc. $27,000. R. N. Cook, Graham, clk.

Fla., Key West—Sept. 24, by Comrs. Monroe Co., concrete wall, sidewalks and roadway, etc. for boulevard approximately 6 mi. around eastern portion of Key West Island. J. O. Kirchheiner, chn.

Fla., Tampa—Sept. 22, by City Comn., 2½ in. asphalt block on 6 in. rock paving, 103,308 sq.yd. Impvts. 70, 75, 69, 71, 72, 73, 46, 47, 49, 74, 76, 50, 65, 66, 67, 68, 77, 43, 44, 38, 39, 40 and 42, $271,000; 2 in. amiesite or filbertine on 5 in. rock paving 13,000 sq.yd. Impvts. 33, 34, 35, 36 and 37, $32,000; 4 in. Tampa A Lithic on 6 in. rock paving 12,000 sq.yd. Impvts. 27, 28, 29 and 30, $30,000; 2 in. filbertine on 6 in. rock paving 10,300 sq.yd. Impvts. 31 and 32, $28,000. R. D. Martin, City Hall, engr.

Fla., West Palm Beach — Sept. 23, by Comrs. Palm Beach Co., constructing 17.25 mi. Cross State Highway; 3.61 mi. road from South Bay to Okleelanta; 1.6 mi. road from Belle Glade to Chosen; 7.21 mi. road from Canal Point to Bacom Point; and 10.61 mi. road from Belle Glade to Pahokee. G. O. Butler, West Palm Beach, co. engr.; adv. E. N.-R. Sept. 17.

Fla., Vero Beach—Oct. 6, by Bd. Comrs. Indian River Co., about 99,480 sq.yd. asphalt surface treatment. D. L. Leisher, co. engr.; adv. E. N.-R. Sept. 17.

Ala., Birmingham — Oct. 15, by City Comn., asphalt surfacing 6 blocks 37th St. and 4th Ave., $51,210; and 3 blocks 9th Court St. W. $10,550, both 30 ft. A. J. Hawkins, city engr.

Louisiana—Sept. 29, by State Hy. Comn., Baton Rouge, graveling 5.57 mi. St. Francisville-Clinton Highway, State Project 375-D, East Feliciana Parish; grading, etc. 6.14 mi. Sect. "A" Sun-Bogalusa-Mississippi State Line Highway, Project 412, also constructing 368 ft. steel and concrete bridge over Pushpatappa Creek, on Sect. "B" same road. W. B. Robert, highway engr.

Kentucky—Oct. 12, by State Hy. Dept., Frankfort, grading, etc. 12.4 mi. Hazard-Jackson Rd., Federal Aid Project 138-A, Perry Co., and 13.8 mi. Mayfield-Paducah Rd., Federal Aid Project 144-A, Graves Co., both 24 and 28 ft., and waterbound macadam surfacing 3.3 mi. Piner-Braeht Rd., 16 ft., State Aid Project 105-A, Kenton Co. E. N. Todd, highway engr.

Ohio — Sept. 25, by Dept. Highways & Pub. Wks., Columbus, grading bridging and paving roads in Allen, Athens, Brown, Columbiana, Cuyahoga, Drake, Defiance, Delaware, Erie, Fairfield, Geauga, Hancock, Highland, Huron, Lawrence, Madison, Mahoning, Medina, Paulding, Perry, Portage, Putnam, Richland, Seneca, Trumbull, Tuscarawas, Wayne and Williams Counties; also 18,800 ft. drainage structures in Adams Co. A. V. Donaheys, div. engr.

O., Cincinnati—Sept. 22, by Director Pub. Serv., improving Madison Rd., 3,950 sq.yd. vitr. brick, 7,600 sq.yd. asphalt, 1,950 cu.yd. concrete, 4,550 lin.ft. granite curbing, 2,000 lin.ft. cement sidewalks. $88,410. F. Krug, City Hall, engr.

O., Dayton — Sept. 18, by G. F. Baker, dir. Pub. Serv., improving Germantown, Superior, Edward and Leo Sts., 5,500 sq.yd. vitr. brick, 14,000 sq.yd. asphalt, 3,300 sq.yd. concrete, 5,000 lin.ft. concrete curbing, 5,000 lin.ft. concrete gutter, etc. $136,000. J. F. Hale, city engr.

Michigan—Sept. 25, by State Hy. Dept., at office Comrs. Eaton Co., Charlotte, concrete paving 1.212 mi. State Trunk Line 29-1, Sect. B. G. C. Dilman, Lansing, ch. engr.

Mich., Springwells — Sept. 22, by City Clerk, grading, curbing, guttering and concrete paving, etc., 7,201 sq.yd. Assessment Dists. 98, 99, 31 and Municipal Site. Hub-

Streets and Roads (Continued)

bell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., La Grange Park (La Grange P. O.)—Sept. 21, by City, 80,000 sq.ft. concrete sidewalks on various streets. $26,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., South Jacksonville—Sept. 21, by Bd. Local Impvts. at Heinl Greenhouse, grading, curbing, guttering and 8 in. rein.-con. surfacing 10,437 sq.yd. South Main St.

Wisconsin—Sept. 23, by State Hy. Dept., at Div. Office 7, Court House, Rhinelander, improving 4.33 mi. Gillette-Mountain-Leona Rd., Federal Aid Project 413-A, Forest Co., 9.15 acres clearing, 7.27 acres grubbing, 29,059 cu.yd. earth, 400 cu.yd. loose and 1,000 cu.yd. solid rock excav., 9,557 cu.yd. gravel surfacing, etc. J. T. Donaghey, highway engr.

Minn., Minneapolis — Sept. 21, by A. P. Erickson, aud. Hennepin Co., improving Edina-Eden Prairie Rd., Project 25-86, 199,158 cu.yd. earth, 2,247 cu.yd. loose and 1,000 cu.yd. solid rock excav., 411,975 cu.yd. overhaul, etc. $102,000. J. F. Shaffer, Court House, co. surv.

Minnesota—Sept. 29, by State Hy. Dept., St. Paul, **(F.A.P. means Federal Aid Project and S. P. Means State Project)** grading 134,000 cu.yd. S. P. 3-42, Div. B, F.A.P. 347, Otter Tail Co. $25,000, 208,000 cu.yd. S. P. 6-45, Sects. 1 and 2, F.A.P. 378 $45,000, and 100,000 cu.yd. S. P. 8-33, F.A.P. 276, $25,000; gravel surfacing 22,300 cu.yd. S. P. 9-39, F.A.P. 352, $26,000 and 21,200 cu.yd. S. P. 12-26, Sect. 1, F.A.P. 350, $25,000; concrete paving, etc. 139,000 sq.yd. S. P. 1-44, Sect. 1, Divs. C, D and E, F.A.P. 1 $190,000, 71,000 sq.yd. S. P. 1-44, Sect. 6, F.A.P. 372 $95,000, 48,000 sq.yd. S. P. 3-26 $80,000, 38,100 sq.yd. S. P. 3-33 $50,000, 9,500 sq.yd. S. P. 3-33 $15,000, and 14,500 sq.yd. S. P. 3-50, $25,000 all foregoing F.A.P. 375, 87,000 sq.yd. S. P. 3-39, Sect. 2, F.A.P. 8, $115,000. State furnishes cement for above.

Minnesota—Sept. 29, by State Hy. Dept., St. Paul, **(S. P. means State Project, F. A. P. means Federal Aid Project)**, gravel surfacing 15,400 cu.yd. S. P. 7-33, F. A. P. 290 $25,000, 16,200 cu.yd. S. P. 22-26, Sect. 1, F. A. P. 338 $25,000, and 14,700 cu.yd. S. P. 23-30 B, F. A. P. 257 $25,000; sand clay surfacing 2,500 cu.yd. and graveling 17,400 cu.yd. S. P. 9-29, F. A. P. 289, $30,000; also grading 80,000 cu.yd. and constructing Bridge 3720, on S. P. 8-29, F. A. P. 261, $35,000.

North Dakota — Sept. 25, by State Hy. Comn., and Bd. Comrs. Stark Co., at Court House, Dickinson, clearing and grubbing, etc., 6.611 mi. highway from Dickinson south, Federal Aid Project 14.

Missouri—Sept. 25, by State Hy. Dept., Jefferson City, 30 ft. grading 33.852 mi. roads in Audrain, Jefferson, Ralls, Grundy, Stoddard, New Madrid and Scott Counties; 12 ft. chats surfacing 28.856 mi. roads in Barton, Cedar and Dade Counties; 12 ft. gravel surfacing, etc. 4.032 mi. road in St. Charles Co.; 16 ft. gravel surfacing 5.287 mi. roads in Cedar and Cape Girardeau Counties; 18 ft. gravel surfacing 15.833 mi. roads in Wayne, Putnam and Gentry Counties; 20 ft. gravel surfacing 20.708 mi. roads in Gasconade and Franklin Counties; and 18 ft. concrete paving 17.608 mi. roads in Scott, New Madrid and Stoddard Counties. B. H. Piepmeier, highway engr.

Mo., Lebanon—Sept. 21, by W. E. Ford, city clk., asphaltic concrete paving, etc. 16,500 sq.yd. various streets. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs. Noted Aug. 20.

Mo., St. Louis—Taking bids grading and concrete paving alleys in City Blocks 1562, 1570, 1645, 3686, 4517-N, 4823, 5364, 5429-A and 5429-B. $30,000. W. W. Horner, 300 City Hall, engr.

Idaho—Sept. 21, by Commissioner Pub. Wks., Boise, grading, paving, etc. 53,604 sq.yd. Old Oregon Trail Highway, Federal Aid Project 86-B, Canyon Co. $165,000.

Washington—Oct. 6, by State Hy. Dept., Olympia, clearing, grading, etc., approximately 5.1 mi. Kennewick-Richland Rd., State Rd. 3, Benton Co., approximately 2.7 mi. Stella-Coal Creek Slough Rd., State Rd. 12, Cowlitz Co., and approximately 4.3 mi. road from Raymond North, State Rd. 13, Pacific Co.; also clearing, grading and surfacing approximately 4.3 mi. Woodmans Gulch-Chimacum Rd., State Rd. 9, Jefferson Co. J. W. Hoover, highway engr.

Calif., Stockton—Sept. 21, by E. Graham, clk. San Joaquin Co., improving California Ave., Farmington, C. R. Dustin and Atherton Rds., and road from Ray School to Brack Station, etc. F. E. Quail, co. surv.

BIDS RECEIVED

Vermont—Dept. Highways, State House, Montpelier, bituminous macadam paving highway in Peterboro, from R. E. Bull, 151 Harrison Ave., Fitchburg, Mass. $70,429, also 0.68 mi. highway in Holderness, from O. W. Fernald, Berlin, $18,322.

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, grading and shaping 19,500 sq.yd. Middlesex Fells Parkway in Medford and Melrose, from Coleman Bros., Inc., 245 State St., Boston, $30,940. Noted May 28.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, Sept. 9, grading, curbing and flagging East 29th St., from Grimm Contg. Co., 170 McKinley Ave. $2,662, 56th St. and asphalt paving 56th St., from Buonicello Contg. Co., 6903 Ft. Hamilton Ave., $821 and $4,270 respectively; grading, curbing and flagging, etc. 68th St., and asphalt paving 68th St., from Cranford Co., 52 9th St., $1,827 and $8,207 respectively; asphalt paving Ocean Ave., etc., from M. J. O'Hara, 1228 Park Ave., New York City, $160,458. Noted Sept. 3.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Sept. 9, from Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing and flagging, etc. Foster Ave., $11,548; from Haupert, Pizzo Foley & Alfieri, 140 Beadle St., Brooklyn, curbing and laying sidewalks, etc. on Grout Ave. $2,304, Tiemann Ave., etc. $1,523, grading, etc. 179th Pl. $775; from Kennedy & Smith, Inc., 93 Amity St., Flushing, asphalt repaving Diagonal St. and Jackson Ave. $56,280; from Sicilian Asphalt Paving Co., 41 Park Row, New York City, grading, curbing, sidewalks, etc. on 116th St. $24,500; from C. Bennett Contg. Co., 414 Rutland Rd., Brooklyn; grading, etc. Rockaway Blvd., $115,197. Noted Sept. 3.

Md., Baltimore — Bd. Awards, grading, curbing, and concrete paving 18,000 sq.yd. streets listed in Contr. 299-OANA, from Tydings, Marine Co., 2 East Lexington St., Baltimore, $49,883.

North Carolina — State Hy. Dept., Raleigh, Sept. 3, grading and concrete paving 4.18 mi. Project 986, Swain Co., from Fiske-Carter Constr. Co., Spartanburg, S. C., $108,621.

South Carolina—State Hy. Dept., Columbia, **(a)** bituminous concrete **(b)** plain concrete paving **(1)** 8.6 mi. York-Gastonia Highway **(2)** 7.7 mi. York-Chester Highway, both in York Co., from Wood Constr. Co., Statesville, N. C., **(a1)** $241,967 **(a2)** $218,988, from Slattery & Henry, Greenville **(b1)** $247,557, from Blythe Bros. Co., Inc., Brevard Ct., Charlotte, N. C. **(b2)** $231,563; also sand clay surfacing 5.7 mi. Bishopville-Lynchburg Highway, Lee Co., from J. H. Milford, Greenwood, $16,102. Noted Aug. 27.

O., Cincinnati—Curbing, laying sidewalks and granite block paving 18,400 sq.yd. Western Ave., from Henkel & Sullivan, 105 Bell Blk., $124,174. Engrs. est. $131,491. Noted Aug. 20.

O., Cuyahoga Falls—City, probably asphalt paving Harrison Ave., from T. E. McShaffrey Constr. Co., 173 South Forge St., Akron, $58,193. Engrs. est. $60,000.

O., East Liverpool—Widening and asphalt resurfacing 1 mi. West 8th St., from Tagenhorst & McLaughlin, East Liverpool, $52,420. Engrs. est. $50,000.

Michigan — State Hy. Dept., at office Comrs. Genesee Co., Flint, concrete paving 0.888 mi. State Trunk Line Rd., 10-38 C, from E. Coseus, Levering, $61,103. Noted Aug. 27.

Michigan — State Highway Comn., Lansing, concrete paving 6.048 mi. Federal Aid Rd., 146 C, Ingham Co., from W. H. Ryan, Jackson, $211,980.

Ill., East St. Louis—Grading, curbing and concrete surfacing, etc., 2,450 sq.yd., 9th St., and 8,100 sq.yd. 40th St., from L. Rich & Sons, 1530 Winstanley Ave., $12,448 and $34,672 respectively.

Ill., Galesburg—Grading, curbing and brick on concrete resurfacing 4 blocks Warren and West Knox Sts., from Graham-King Constr. Co., 550 South Cedar St., $27,332. Engrs. est. $27,642. Noted July 23.

Ill., Villa Grove — From I. D. Lain, Bloomington, 7 in. concrete surfacing, etc. 13,325 sq.yd. Main St. $38,818, 8,314 sq.yd. Oak St. $25,680 and 2,718 sq.yd. Vine St. $8,777. Grand total $73,275. Noted May 28.

Ia., Essex—Grading, curbing and 6 in. concrete surfacing various streets, from P. Nelson & Son, Council Bluffs, $30,891. Noted Sept. 10.

Minnesota — State Hy. Dept., St. Paul. Aug. 25, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, grading 32,000 cu.yd. S. P. 45-22, Stillwater Rd., from C. F. Sculley Equipment Co., 212 Dakota Bldg., St. Paul $25,533, 150,000 cu.yd. S. P. 7-34, F.A.P. 374, from Volden Bros., Milan $59,536, 120,000 cu.yd. S. P. 8-42, F.A.P. 302, from P. W. Rourke, Theif River Falls $42,036, 205,000 cu.yd. S. P. 64-23, F.A.P. 357, from S. G. Enebak, Warren $51,954, 260,000 cu.yd. S. P. 69-22, Sect. 2, F.A.P. 339, from C. Weaver, Anoka $74,032, 11.4 mi. S. P. 7-34, F.A.P. 374, from Stevens Bros., 612 Endicott Bldg., St. Paul, $9,599; concrete paving, etc. 42,000 sq.yd. S. P. 1-48, F.A.P. 1, and 16.1 mi. S. P. 5-30, Sect. 2, F.A.P. 345, from M. J. Nolan Constr. Co., 260 Temple Court, Minneapolis, $96,656 and $191,692 respectively, 165,000 sq.yd. S. P. 1-44, Sect. 5, F.A.P. 1, from R. J. Kapphahn Constr. Co., 181 Wallace Ave., Duluth $256,489, 171,000 sq.yd. S. P. 5-30, Sect. 2, F.A.P. 345, and 120,800 sq.yd. S. P. 5-36, F.A.P. 345, from Hanlon & Okes, Merchants Natl. Bank Bldg., St. Paul, $76,289 and $153,230 respectively, and 268,700 sq.yd. S. P. 27-28, F.A.P. 370, from Ostrand & Hallet, Crosby, $372,075. Noted Aug. 20.

North Dakota—State Hy. Comn., and Comrs. Richland Co., Court House, Wahpeton, Aug. 28, graveling, etc. 7.97 mi. Federal Aid Project 71, Sects. A and B, east and west of Mooreton, from N. Brolander, Wahpeton, $43,909. Noted Aug. 20.

Mo., St. Joseph—Buchanan Co., Sept. 1, grading 2.25 mi. Ferirl Rd., from M. Costello, 1519 South 22nd St., $25,900. Noted Aug. 27.

California—State Hy. Comn., Sacramento, Aug. 31, grading 1.9 mi. road from top Mt. Springs Grade to Myers Creek bridge Imperial and San Diego Counties, from E. M. Dahl, Santa Ana, $49,950. Noted Aug. 13.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks and concrete paving 17,933 sq.ft. June St., from J. Farquhar, Los Angeles $5,412, 53,497 sq.ft. Whitset St., from J. Morton, 589 Lyon St., $11,564; asphaltic concrete paving 399,353 sq.ft. Edenhurst Ave., from C. U. Henser, 816 Allen Ave., Glendale, $181,091; sheet asphalt paving 120 sq.ft. 35th St., from W. Liddington, 420 East 60th St., $3,078; grading 67,975 cu.yd. Beacon St., from Channel Constr. Corp., Los Angeles, $58,250.

Calif., Los Angeles—Grading, curbing, guttering sidewalks and concrete paving 76,752 sq.ft. Norva St., from W. Warne, 1001 Transportation Bldg., $20,697, engrs. est. $22,474; curbing and sidewalks on 10,402 sq.ft. Jean St., from C. R. Snow, 880 West Knoll Dr., Hollywood, $1,180, engrs. est. $1,918.

Calif., Los Angeles — Los Angeles Co., grading, curbing, guttering and concrete paving 12,000 ft. 85th St., etc., from G. H. Oswald, 306 East 58th St., $54,170; grading, curbing, guttering, etc., 1,400 ft. John St., and portion Orange Ave., from W. Haight, 260 South Pacific Blvd., Huntington Park, $5,508.

CONTRACTS AWARDED

Vermont—Dept. Highways, State House, Montpelier, graveling 4.79 mi. highway in Wallingford and Clarendon to D. S. McGrath, Inc., Adams, Mass., $130,239; rein.-con. bridge and approaches in Northfield, to J. E. Cashman, Burlington 29,910, in Royalton, to H. F. Knight, South Royalton, Me., $12,211, in Walcott, to Rowe Constr. Co., Woodsville, N. H., $8,512. Grand total $180,872.

Massachusetts—Dept. Pub. Wks., Boston, rein.-con. and bituminous macadam surfacing 10,027 ft. highway in Seekonk, Rehoboth and Swansea, to C. Haggerty, Webster, $212,332. Noted Sept. 3.

Mass., Brighton (Boston P. O.)—Dept. Pub. Wks., Boston, sheet asphalt paving Western Ave., here, to J. McCourt, 46 Wait St., Roxbury, $48,230.

Mass., Boston—Dept. Pub. Wks., granite block paving Cambridge and Court Sts., to S. J. Tomascello, 11 Cushing Terrace, Dorchester, $90,812. Noted Sept. 10.

Mass., Framingham—Comr. Pub. Wks., Lexington St., bituminous macadam paving Main St., to Simpson Bros. Corp., 77 Summer St., Boston, $25,156. Noted Aug. 20.

Mass., Medford—Mayors Office, Medford Bldg., Medford Sq., granolithic sidewalks on various streets, to Coleman Bros., Inc., 245 State St., Boston, $37,445. Noted Aug. 6.

New York — A. W. Brandt, comr. Highways, Albany, constructing 8.02 mi. Conduit Blvd., Parts 1 and 2, in Kings and Queens Counties, to Paladino Bros., 13th Ave. and 59th St., Brooklyn, $973,657. Engrs. est. $1,092,171. Noted Aug. 29.

N. Y., New York — H. Brucker, pres. Bronx Boro, Crotona Park, Tremont and

Streets and Roads (Continued)

3rd Aves., to Interboro Asphalt Co., 2306 Creston Ave., bituminous concrete paving McClellan St. $5,892, East 212th St. $4,783, sheet asphalt paving Ellis Ave., $27,419, White Plains Rd. $11,507, Holland Ave. $15,950; to Gaffney Constr. Co., bituminous concrete paving St. Lawrence Ave. $19,423, East 212th St. $4,783, Melville St. $18,968, sheet asphalt paving Garfield St. $9,570, to Burnside Contg. Co., 270 Burnside Ave., asphalt block repaving Fox St., $13,665; to J. V. Timoney Constr. Co., 220 East 201st St., sewers, etc. in College Ave. $12,073, and to Anita Constr. Co., 2975 Marion Ave., in O'Brien Ave., $7,247. Grand total $151,280. Noted Sept. 10.

N. Y., Niagara Falls — Asphalt block paving 5,400 sq.yd. Niagara Ave., to Read-Coddington Eng. Co., 238 Portage Rd., $28,350; 4,063 sq.yd. 15th St., to J. F. McKinney Corp., Gluck Bldg., $22,347.

N. Y., St. George—J. A. Lynch, boro pres., Boro Hall, curbing with steel guard, concrete sidewalks and vitr. brick guttering Fingerboard Rd., to J. R. Fox, 270 Herkimer St., Brooklyn, $8,900; bituminous concrete paving Clove Rd., to J. E. Donovan Paving Co., 614 Union St., Brooklyn, $13,788. Noted Sept. 3.

New Jersey—State Hy. Comn., Trenton, Sept. 14, constructing Delaware River Bridge Connecting Rd., Sects. 1 and 2, in Pensauken Boro, and Delaware River Bridge Entrance Rd., Sect. 2, in Camden, together with relocation of Cooper River, from S. J. Grove & Son Co., Duncannon, Pa., $758,710; trolley track paving Route 9, Sect. 4, in Dunellen, Middlesex Co., 3,900 sq.yd. concrete foundation, and 5,044 lin.ft. single track excav., etc., from M. White, 80 Park Pl., Newark, $24,533. Noted Aug. 27.

N. J., Burlington—Burlington Co., paving 1½ mi. Jacksonville Rd., to W. S. Trench, Moorestown, $41,782. Noted Sept. 3.

Pennsylvania — State Hy. Dept., Harrisburg, (**R means Route, and A means Application**), rein.-con. paving, etc. 68,700 sq.yd. R. 158, A 2931, Lehigh Co., to W. M. Moser, Mt. Carmel, $269,506; 31,276 sq.yd. R. 157, Sect. 3, A. 3383, Lehigh Co., to Dalton Bros., Paoli, $130,359; 48,103 sq.yd. R. 150, Bucks Co., to R. L. Bonham Co., Bridgeton, N. J., $157,718; 23,734 sq.yd. R. 189, Sect. 8, R. 66, A. 3029, Armstrong Co., to M. Bennett & Sons, Indiana, $180,625; 15,106 sq.yd. R. 214, A. 3151, Clarion Co., to J. McCarty Constr. Co., Kaukauna, Wis., $61,063; 28,700 sq.yd. R. 271, A. 3466-3682, Erie Co., to J. C. Devine Co., Alliance, O., $114,443; 19,013 sq.yd. A. 3588, Berks Co., to M. Straub, Pitman, N. J., $74,342; 16,500 sq.yd. R. 288, A. 3404, Westmoreland Co., to Donoro Constr. Co., Donora, $79,512; 14,919 sq.yd. R. 29, Mifflin Co., to J. B. Trexler, Lewistown, $84,777, 27,650 sq.yd. A. 1950 and 2089, Beaver Co., to Jones Constr. Co., Sycamore, $154,854; and 12,011 sq.yd. R. 209, Lycoming Co., to Lane Constr. Co., Meriden, Conn., $57,962. Grand total $1,365,161. Noted July 16, Aug. 20 and Sept. 3.

Pa., Pittsburgh — City c/o Dept. Pub. Wks., City County Bldg., regrading, recurbing and repaving 7th Ave. between Bigelow Blvd. and Wm. Penn Pl., to Booth & Flinn, Ltd., Forbes St., $35,275.

Md., Baltimore — Bd. Awards, concrete paving alleys listed in Alley Contr. 117, to Arundel Constr. Co., Knickerbocker Bldg., $48,545. Noted Sept. 10.

W. Va., Wheeling—Ohio Co., improving 3,900 ft. Chapline Street extension, 32 ft., 3,000 cu.yd. concrete structures, 33,000 cu.yd. excav., etc. to H. L. Seabright & Co., 70 43rd St., Wheeling, $107,779. Noted Aug. 6.

North Carolina—State Hy. Comn., Raleigh, grading and concrete paving 12.01 mi. Project 334, Columbus Co., to Penell & Weisiger, Colfax $338,311, 8.73 mi. Project 843, McDowell Co., to J. M. Gregory, Colfax $272,903, 5.37 mi. Project 131-B, Gates Co., and 4.74 mi. Project 4360, Harnett Co., to Highway Eng. & Constr. Co., Selbyville, Del. $138,496 and $138,139 respectively, 5.36 mi. Project 947, Haywood Co., to Appalachian Constr. Co., Knoxville, Tenn. $156,235, 5.92 mi. Project 558, Montgomery Co., to Foster Constr. Co., Wilkesboro $179,885, 8.01 mi. Project 416, Durham Co., to Ziegler Bros., Greensboro $223,580, 4.47 mi. Project 594, Rockingham Co. and 4.21 mi. Project 720-B, Caldwell-Catawba Counties, to J. F. Mulligan Constr. Co., North Wilkesboro $26,319 and $32,200 respectively, 4.38 mi. Project 697-A Extension, Union Co., to J. O. Heyworth, Harvester Bldg., Chicago, Ill., $145,775; grading and asphaltic paving 18.04 mi. Project 397, Robeson Co., to P. R. Ashby & Co., 421 North Person St., Raleigh $377,878, 2.65 mi. Project 674, and 8.98 mi. Project 675, Rowan Co., to R. G. Lasiter & Co., Citizens Bank Bldg., Raleigh, $85,000 and $22,560 respectively. Grand total $2,337,281. Noted Sept. 3.

South Carolina—State Hy. Dept., Columbia, concrete paving 0.81 mi. Greenville-Spartanburg Highway, Greenville Co., to B. H. Martin, Easley, $27,542; also 2 treated timber grade crossings of above highway with Piedmont & Northern Ry., 115 ft. long, to Edisto Constr. Co., Barnwell, $9,187.

Fla., Tampa—For 2½ in. asphaltic block paving, etc., 12,500 sq.yd. portions of Osborn, Citrus, Bailey, 27th, Emily and Cherokee Sts., to Cone Bros., Tampa, $59,400. Noted Aug. 6.

Ala., Birmingham—To Morgan Hill Paving Co., Woodward Bldg., (**e.e. means engineer's estimate**), grading and chirting 11 blocks Ave. F., $42,733, e.e $43,000, and asphalt surfacing 3 blocks Ave. D, $33,253 e.e. $34,000, both 30 ft. in Ensley, to Southern Roads Co., 107 North 17th St., 5 blocks 6th Ave. S, 40 ft., $41,610 e.e. $44,000, grading and chirting 6 blocks Ave. Q, Ensley, 30 ft., $18,773 e.e. $20,000, and 4 blocks 8th Ave. S. and 40th St., 30 ft., $12,811 e.e. $14,000 to Wood Rucker Constr. Co., Woodward Bldg., 2 blocks 8th Ave. S, 30 ft., $10,652 e.e. $11,000, to Independent Paving Co., Amer. Trust Bldg., 1 block 9th Ave., 30 ft., $10,983 e.e. $11,000, to H. N. Bowdry, Farley Bldg., 2 blocks 30th Pl., $12,704 e.e. $13,000, and 3 blocks Ave. W, $4,281 e.e. $4,500, both 30 ft. in Ensley; to Milton & Erickson, Amer. Trust Bldg., curbing, guttering and 4 blocks sidewalks on one side 18th St., 4 ft., $1,400 e.e. $1,500, to C. F. Browne, Woodward Bldg., 1 block 4 ft. sidewalks on both sides Gulfport St., Ensley, $2,264 e.e. $2,300. Grand total $191,464.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, grading and sheet asphalt on 6 in. concrete surfacing 5.81 mi. Mt. Pleasant-Rockdale Rd., Federal Aid Project 34-B, Maury Co., to S. E. Finley Co., 212 West North Ave., Atlanta, Ga., $152,272. Noted June 27.

Ohio—Dept. Highways & Pub. Wks., Columbus, bituminous macadam paving 3,487 mi. Columbus-Millersburg Rd., to D. W. Botkin & Sons, Columbus, $90,885; and Kentucky rock asphalt paving 0.28 mi. Columbus-Lancaster Rd., to Stuart & Keiner, Maxahala, $11,366, both in Franklin Co.

O., Akron—W. F. Peters, dir. Pub. Serv., improving Spicer St., 4,600 sq.yd. sheet asphalt, 1,600 lin.ft. stone curbing, 3,200 sq.ft. 4 in. concrete sidewalks, and 400 cu.yd. earth excav., to Thorpe Constr. Co., 3280 Scranton Rd., Cleveland, $55,094. Engrs. est. $92,000.

O., Cleveland Heights (Warrensville P. O.)—To Rieley Bros., The Arcade, improving East Scarborough Rd. $16,081, Nordway Rd. $8,271, Northcliffe Rd. $14,663, Queenston Rd. $14,757, Rinard Rd. $9,950; to Spence Bros., 2028 Random Rd., Janette Rd. $14,079; to Cleveland Trinidad Paving Co., The Arcade, Taylor Rd. $9,621. Work involves 29,505 sq.yd. asphaltic concrete, 15,500 lin.ft. stone curbing, 16,460 lin.ft. 4 in. drain tile gutter and 10,650 cu.yd. earth excav.

O., Akron — Summit Co., (**e. e. means engrs. est.**), to A. E. Guilford Constr. Co., 618 Metropolitan Bldg., grading and traffic bound slag paving, etc., 2.5 mi. Hametown-Richfield Rd., $24,130 e. e. $27,200, 3.93 mi. East Akron-Massillon Rd., $39,511 e. e. $42,800, 5.64 mi. Clinton-Greensburg Rd., $52,805 e. e. $59,500, 1.27 mi. Wadsworth-Johnston Rd., $12,070 e. e. $13,400; to T. L. Smith, 545 Garry Rd., 1.54 mi. Bath-Stow Rd., $24,230 e. e. $27,300; to J. L. McCormick, Ravenna, 1.23 mi. Cuyahoga Falls-Hudson Rd., $13,010 e. e. $13,000. Grand total $165,756. Noted Aug. 27.

O. Columbus — Franklin Co., grading, bridging and waterbound macadam paving 2.96 mi. Tuttle Rd., Marion Twp., to J. M. Snouffer, 248 North 4th St., $38,629.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., grading, curbing, laying necessary water services and sewer connections and asphalt paving 2,923 ft. Algonquin Ave. $41,921, 4,200 ft. Demorest Ave. $70,652, 1,950 ft. Girard St. $32,136, 2,672 ft. Letchworth Ave. $39,555, 2,689 ft. Powhattan Ave. $34,488, 2,790 ft. Southampton Ave. $42,050, 2,813 ft. Sylvan Ave. $46,814, to R. J. Dienst, 209 South High St., concrete paving 913 ft., alley north Rich St. $8,520, 313 ft. alley west 5th St. $3,890, brick paving 2,120 ft. Harris Ave. $21,264; to A. W. Burns Constr. Co., 1400 North Grant Ave., asphalt paving 1,830 ft. Clinton Heights Ave. $29,134, 1,134 ft. Gregory Ave. $13,455, 758 ft. Magnolia Ave. $11,477, 2,997 ft. 20th Ave. $41,565, 1,736 ft. 21st Ave. $23,035, 1,845 ft. 22nd Ave. $25,762, brick paving 1,085 ft. 26th St. $17,475; to B. F. Patterson, 1214 Neil Ave., asphalt paving 2,315 ft. Tulane Rd. $30,124, widening 450 ft. Long St. $8,896; to L. L. [illegible], 1575 Sullivant Ave., brick paving 1,3[illegible] ft. Ludlow St. $30,124; to Franklin Asphalt Paving Co., 209 South High St., asphalt paving 1,395 ft. Eureka Ave. $17,765, 1,[illegible] ft. Park Ave. $20,912, 3,263 ft. Roys Ave. $23,917, 1,907 ft. Townsend Ave. $2[illegible], 356 ft. Deshler Ave. $3,748. Grand total $661,448. Noted Aug. 13.

O., Lakewood (Cleveland P. O.) — Asphaltic concrete paving 6 streets, to Highway Constr. Co., West 112th St. and Madison Ave., Cleveland, $56,157.

O., Lisbon—Columbiana Co., asphalt paving Shadyside Ave., and brick on concrete paving West 8th St., to Allison & Harris Constr. Co., East Liverpool, $25,037 and $54,284 respectively. Engrs. est. $25,000 and $60,000 respectively. Noted June 4.

O., Massillon—Improving Clay St., to A. F. Wendling & Co., Genl. Del., $27,177 engrs. est. $30,000, and sheet asphalt paving East Walnut St., to Burd & Ulrich Co., 2424 6th St. S.W., Canton, $38,939 engrs. est. $40,000. Noted Sept. 3.

Michigan—State Hy. Dept., Lansing, concrete paving 6.078 mi. Federal Aid Rd. 296 A, Saginaw Co., to C. G. Milne, Saginaw, $181,411; graveling 12.786 mi. Federal Aid Rd. 189 A, Chippewa Co., to Hill & Belknap, East Tawas $158,475, 9.282 mi. State Trunk Line Rd. 69-4, Baraga Co., to Fitzpatrick Bros. and Lamont & Calocie, Ironwood $58,980, 5.756 mi. State Trunk Line 74-5 C, to S. Cable, Falmouth $31,310, and 2.344 mi. State Trunk Line 74-5B, to E. McDonald, Lake City, $27,541, both above projects in Missaukee Co. Grand Total $457,717. Noted Aug. 27.

Mich., Detroit — To Detroit Asphalt Paving Co., 909 Transportation Bldg., 3½ in. sheet asphalt on 8 in. concrete paving 3,390 sq.yd. Foster Ave., $24,901, and 2,600 sq.yd. Winkelman Ave. $11,780, both 28 ft., 9,570 sq.yd. 14th Ave. $41,460, 6,040 sq.yd. Dickerson Ave. $25,264, 2,455 sq.yd. Nagle Ave. $11,090, 5,760 sq.yd. Springle Ave, $24,115, all foregoing 30 ft., 10,140 sq.yd. Faircrest Ave., 28 and 36 ft. $42,302, also 13,360 sq.yd. Greiner Ave., 36 ft. $54,664. Grand total $235,576.

Mich., Detroit — To McKenna Trucking Co., 3559 Holcomb St., grading and 6 in. concrete paving Alley 2417 $4,801, Alley 2419 $3,864, Alley 2423 $3,323, Alley 2424 $1,971, Alley 2428, $1,003; to C. W. Shepard Co., 213 State St., Alley 2418 $4,357, Alley 2421 $2,697, and Alley 2426 $1,414; to Bishop & Weir, Inc., 6451 East Six Mile Rd., Alley 2420 $3,131, Alley 2422 $4,027; to Otis Cement Constr. Co., 419 Hammond Bldg., Alley 2425 $1,652 and Alley 2427 $1,262. Grand total $33,502.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, grading Route 24, Sect. 12-A, Sangamon Co., to E. P. Olson, 2901 Monterey St., St. Joseph, Mo., $23,008; paving Route 33, Sect. 2-W, Crawford Co., to O. Arnold, Casey, $19,039.

Ill., Waukegan—Lake Co., rein.-con. surfacing 1 mi. road near Liberty, Project 31-15-D, 18 ft., to J. Cape & Sons, Racine, Wis., $34,891.

Minnesota—State Hy. Dept., St. Paul, (**S. P. means State Project and F.A.P. means Federal Aid Project**), grading 60,000 cu.yd. S. P. 3-33, F.A.P. 375-A, and 16,000 cu.yd. S. P. 3-35, F.A.P. 375-B, to Clark, Kearney & Starck, Polo, Ill. $36,583, S. P. 3-45, Sect. 3, F.A.P. 25, to M. J. Nolan Constr. Co., 260 Temple Court, Minneapolis $109,823, 110,000 cu.yd. S. P. 50-21, F.A.P. 316, to Volden Bros., Milan, $52,894; gravel surfacing 39,000 cu.yd. S. P. 4-27, F.A.P. 318, to Wiley Bros., Northwood, Ia. $35,434, 27,600 cu.yd. S. P. 6-31, secy. 2, F.A.P. 343-B, to Ennem & Raguss, Wheaton, $30,299; and 16,400 cu.yd. S. P. 11-21, F.A.P. 252, to O. J. Lindholm, Beaudette, $24,551. Grand total $289,584. Noted July 9.

Wis., Milwaukee — Dept. Pub. Wks., to W. F. Hunt, 405 Bway., vibrolithic concrete paving Lake St. $3,258, Melvina St. $12,090 and 26th St. $9,855; to White Constr., 68 Wisconsin St., sheet asphalt paving Martin St., $10,201; to J. Datka, 1147 10th Ave., grading Midland Ave., $787; to Kroening Constr. Co., 39th Ave. and Mitchell Sts., curbing, guttering and sidewalks on 25th St., $10,899; to Schwerm Bros., 50 Lee St., concrete paving 1 alley, $2,538; and to J. Bluhm & Sons, 1298 Achilles Pl., concrete sidewalks on 23rd St., $576. Grand total $50,204. Noted Sept. 3.

Wis., Racine—H. A. Nelson, comr. Pub. Wks., rein.-con. paving 12,000 sq.yd. State St., to Brennan & Bounsall, 305 Main St., Kenosha, at $2.70 per sq.yd. Noted Sept. 3.

Ia., Charles City—Grading, curbing and rein.-con. surfacing 11,000 sq.yd. 3rd Ave., etc., to C. L. Hansen, Charles City, Engrs. est. $25,000.

Streets and Roads (Continued)

Ia., Cedar Rapids—Linn Co., grading Road 11, Sects. A to F, Federal Aid Road 229 and County Road 12, to McGuire Bros., Stayton, Minn., and H. Lowe, Forest City, $71,853, Road 7, to Johnson & Moore, Cedar Rapids, $10,251, tiling, to E. Bartholomew, Cedar Rapids, $304; guard rails, to H. J. Murphy, Marengo.

Ia., Des Moines—To Wright Constr. Co., 211 Flynn Bldg., Warrenite asbestos surfacing 5,877 sq.yd. Edison St. at $2.69 per sq.yd., vibrolithic concrete surfacing 3,512 sq.yd. Oxford St. at $1.92, sheet asphalt surfacing 1,909 sq.yd. Carpenter and 21st Sts., $2.59; to Asphalt Paving Corp., 2nd and New York Sts., sheet asphalt surfacing 2,386 sq.yd. School St., $2.23. Noted July 16.

Minnesota—Ramsey Co. (St. Paul), Dellwood Village and town of Lincoln, grading, paving, etc., 20,212 sq.yd. Div. A, 18,850 sq.yd. Div. B and 20,956 sq.yd. Div. C, Dellwood-Wildwood Rd., to Hanlon & Okes, 1401 Merchants Natl. Bank Bldg., St. Paul, asphaltic concrete $127,484, and to C. F. Sculley Equipment Co., 212 Dakota Bldg., St. Paul, one course concrete $56,350. Noted Aug. 6.

Minn., Owatonna—State Hy. Dept., St. Paul, and R. L. VanNocker, city engr., Owatonna, grading, concrete paving, etc. 23,571 sq.yd. Oak St., to Widell Constr. Co., Mankato, $63,000. Noted July 30.

Minn., Sleepy Eye—Sheet asphalt paving, etc. about 17,500 sq.yd. Main St., to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, Ia., $52,388. Noted Aug. 20.

Kan., Junction City — Grading, curbing, guttering and 6 in. concrete surfacing 25,-900 sq.yd. various streets, to Luttjohann & Phillips, Topeka, $69,164.

Neb., Alma—E. E. McKee, city clk., grading, curbing and 6 in. rein.-con. paving 45,000 sq.yd. various streets in Dist. 1, to Yant Constr. Co., 813 Omaha Natl. Bank Bldg., Omaha, $114,700.

Neb., McCook—Bitulithic paving various streets in Dist. 8, to Allied Contractors, Inc., 1803 Douglas St., Omaha, $35,000.

Neb., Wymore—J. S. McGuire, acting city clk., grading, curbing and concrete paving, etc. 7,450 sq.yd. streets in Dists. 9 and 10, to J. B. Watts, Concordia, Kan.

Arkansas—State Hy. Dept., Little Rock, improving 7.95 mi. Federal Aid Project 231-A, Ashley Co., 4 acres clearing, 11.44 acres grubbing, 48,388 cu.yd. excav., 17,586 ft. treated and 13,176 ft. untreated timber, etc., to R. L. Lynch, 318 Ridgeway St., Little Rock, $21,139; 10.376 mi. Federal Aid Project 190-C, Lee Co., 17.79 acres clearing, 10 acres grubbing, 74,962 cu.yd. excav., 35,404 cu.yd. gravel, 75,000 lb. structural steel, etc., to Gaster & Howell, Little Rock, $65,-349; 6.893 mi. Federal Aid Project 195-A, Monroe Co., 2.45 acres clearing, 2.8 acres grubbing, 44,920 cu.yd. excav., 12,384 cu.yd. gravel, 24,148 cu.yd. overhaul, etc. and 7.225 mi. Federal Aid Project 219-A, Woodruff Co., 1.8 acres clearing and grubbing, 14,767 cu.yd. gravel, 36,263 cu.yd. excav., 55,584 ft. untreated and 71,532 ft. treated timber, etc., to E. L. Terry & Co., Wilburton, Okla., $34,325 and $42,557 respectively. Grand total $163,370. Noted Aug. 27.

Tex., Edinburg—Hard paving 12 blocks Harriman Blvd. from Courthouse to city limits, to W. L. Pearson & Co., 3804 Mt. Vernon St., Houston, approximately $65,-000.

Tex., Harlingen—Bituminous paving 41,-700 sq.yd. various streets, to F. P. McElwrath, Corsicana. Noted July 2.

Tex., Houston—See "Sewers."

Tex., Plano—Asphaltic concrete on 5 in. concrete paving various streets, to Smith Bros., Inc., Santa Fe Bldg., Dallas, $98,172.

Tex., Stamford—B. F. Davenport, mayor, brick with asphalt filler paving 45,000 sq.yd. various streets, to Thurber Constr. Co., F. & M. Bank Bldg., Fort Worth; 45,000 sq.yd. asphalt surfacing on black base, to Smith Bros., Santa Fe Bldg., Dallas. Noted Sept. 3.

Okla., Clinton—Grading and sheet asphalt surfacing 8,260 sq.yd. Choctaw Ave., to Western Paving Co., Tradesmens Bldg., Oklahoma City, $41,085. Engrs. est. $45,-000. Noted Dec. 18.

Idaho — Commissioner Pub. Wks., at Court House, Paris, to P. J. Anderson Constr. Co., Pocatello, improving Bear Lake Highway, Federal Aid Project 97-D, Bear Lake Co., 348 cu.yd. solid rock excav. at $2 per cu.yd., 1,446 cu.yd. loose rock excav. $0.65, 21,260 cu.yd. earth excav. $0.25, 28,-909 sta. yd. overhaul $0.04, 13,105 cu.yd. crushed gravel surfacing, etc. $1.95, total $35,965; to G. T. Davis, Pocatello, constructing 108 ft. concrete bridge over Bear Lake River, $13,829, and 144 ft. bridge over Bear Lake Outlet Canal, both 20 ft., on Bear Lake Highway, Federal Aid Project 97-A, Bear Lake Co., $18,133. Grand total $67,927.

Nevada — State Hy. Dept., Carson City, improving 5.4 mi. Federal Aid Project 95, Story Co., Contr. 135, to Dodge Bros., Inc., Reno, $50,427; grading Richmond Furnace Slag Dump Rd., Federal Aid Project 78-A, Eureka 2-C, Contr. 134, to A. D. Drumm, Jr., Fallon, $4,989; grading and gravel surfacing, etc., Federal Aid Project 93, Eureka 2-A, Contr. 132 to J. Ross, Yerington, $57,241; also concrete and gravel surfacing Project 92, Main St., in Battle Mountain, Lander Co., Contr. 133, to Strange & Vallandingham, Salt Lake City, Utah, $12,751. Noted Aug. 27.

Washington—State Hy. Dept., Olympia, grading and concrete paving about 0.47 mi. Everett-Stanwood Rd., State Rd. 1, Snohomish Co., to Noris Bros., Burlington, $19,998; grading and crushed rock surfacing about 2.11 mi. Goldendale-Maryhill Rd., Klickitat Co., to Chenault & Wagner, 331 Couch St., Portland, Ore., $6,451.

Wash., Seattle — Bd. Pub. Wks., paving Interlake Ave. et al, to R. G. Stevenson, 1327 North 34th St., $109,604 engrs. est. $116,786; Linden Ave., also North and East 54th Sts., to Moceri Bros., Thompson Bldg., $40,951 and $85,288 respectively, engrs. est. $40,282 and $92,068 respectively. Grand total $235,843.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks, and concrete paving La Brea Ave., etc., to R. A. Wattson, 1026 McCadden Pl., $172,670; Normandie Ave., etc., to G. R. Curtis Paving Co., Inc., 2440 East 26th St., $35,280; and 1st St., etc., to McCray Co., Amer. Bank Bldg., $30,158. Grand total $238,108. Noted Sept. 3.

Calif., San Diego—Common Council, curbing, gutternig and 1½ in. asphaltic concrete on 5 in. concrete paving 115,637 sq.ft. Barnett Ave., to G. R. Daley, 4430 Boundary St., $26,990; and 4 in. asphaltic concrete paving 183,659 sq.ft. 19th St., from B to Imperial Sts., to Griffith Co., 25 14th St., $33,507. Noted Aug. 20 and Sept. 3.

B. C., Vancouver—Concrete sidewalks on 9 mi. and curbing 1½ mi. various streets, to Armstrong, Morrison & Co., 543 Granville St., $51,525.

Buildings—Industrial

PROPOSED WORK

Me., South Windham—PLANT—L. C. Andrews Box Co. plans rebuilding plant recently destroyed by fire. To exceed $100,-000. Engineer and architect not selected.

Mass., Belmont (Boston P. O.)—SUB-STATION—Bd. Selectmen having plans prepared by F. B. Galaher, 276 Stuart St., Boston, electric sub-station. $140,000 or more.

Mass., Newburyport—FACTORY—Towle Mfg. Co., 260 Merrimac St., having plans prepared 3 story, 32 x 100 ft., brick and steel factory. To exceed $40,000. G. Perkins, 200 Devonshire St., Boston, engr.

Conn., Hartford — FACTORY — Spencer Turbine Co., 484 New Park Ave., having plans prepared by Buck & Sheldon, 60 Prospect St., 2 story, 43 x 152 ft., brick addition, New Park Ave.

N. Y., Lockport — SHINGLE MILL — Lockport Paper Co., Frost St., plans reconstructing shingle mill, brick, Frost St., recently destroyed by fire. To exceed $50,000.

Pa., Phila.—DYEING and CLEANING —Herzog Co., Inc., 5904 Germantown Ave., having revised plans prepared by Ballinger Co., 12th and Chestnut Sts., 1 story, 234 x 235 ft., Heiskill and Magnolia Sts. Noted Sept. 3.

Tenn., Carter— SHOPS —Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., B. Herman, ch. engr., plans rebuilding brick and steel shops, recently destroyed by fire. $400,000.

Tenn., Chattanooga—COLD STORAGE PLANT—Atlantic Ice & Coal Corp., Washington St. Viaduct, making preliminary plans 10,000 ton cold storage plant. $150,-000. Private plans.

O., Cleveland—GARAGE and MACHINE SHOP—City, H. Wright, City Hall, having plans prepared by H. Kregelius, City Hall, 2 story, 110 x 110 ft., brick, steel and concrete, West 41st St. $100,000

O., Marietta—FACTORY—Safe Cabinet Co., having plans prepared by Schenck & Williams, 908 Mutual Home, Dayton, 4 story, 80 x 700 ft., brick, concrete and steel factory. $1,000,000.

Mich., Detroit—GARAGE and SERVICE STATION — Detroit City Gas Co., Clifford St., having plans prepared 2 story and part basement, 159 x 198 ft., rein.-con., brick and steel, 6th St. $150,000. Weston & Ellington, 1507 Stroh Bldg., engrs.

Ill., Elgin—FACTORY—Elgin National Watch Co., G. E. Hunter, genl. supt., having preliminary plans prepared by G. E. Morris, Sherwin Bldg., 4 story and basement, 30 x 496 ft., and 30 x 355 ft., rein.-con. and brick factory.

Ark., Blytheville—SAWMILL, etc.—Chicago Mill & Lumber Co., A. H. Stier, local supt., plans rebuilding mill and power plant, recently destroyed by fire. $400,000.

Tex., Eagle Lake—TEXTILE MILL—Industrial Cotton Mills plans rein.-con. and brick mill. $150,000.

Tex., San Antonio—PACKING PLANT—Mission Produce Co., plans rein.-con., brick and stone packing plant. $50,000. Engineer selected soon.

Ore., Salem — LINEN MILLS — Oregon Linen Mills, Inc., E. M. Page, pres., plans modern mills. $500,000.

Ont., Hamilton—FACTORY—B. Greening Wire Co., 55 Queen St. N., plans enlarging auto chain manufacturing plant. $75,000.

Ont., Niagara Falls — BOILER HOUSE, etc. — Shredded Wheat Co. having plans prepared extensions to plant, boiler house, etc. $50,000. A. Costello, c/o owner, engr.

BIDS DESIRED

Mass., Woburn—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Conn., Bristol — FACTORY — Root Co., Church Extension, taking bids 4 story, 55 x 125 ft., brick and steel, Church Extension. $125,000. M. J. Unkelbach, 52 Main St., New Britain, archt.

R. I., Providence—FACTORY—T. McGrath, 8 Federal St., taking bids 2 story, 33 x 128 ft., brick factory. $40,000. F. Chaiverine, 32 Bway., archt.

Md., Baltimore — SHOP — Sept. 19, by Stehl & Michel, engrs., 100 North Liberty St., 1 story, 160 x 200 ft. brick, plain foundation, 8th St., for Kimball-Tyler Co., 261 South 8th St. $75,000. Noted Sept. 3.

Ill., Peoria—GARAGE, BOILER ROOM, etc.—Standard Oil Co., 910 South Michigan Ave., Chicago, R. Allen, constr. engr., taking bids rein.-con. and brick garage, boiler room, pump house, oil storage yard, sheds, etc., here. F. Randall, 160 North La Salle St., Chicago, engr. W. Gauger, 36 West Randolph St., Chicago, archt.

Ill., Peoria — WAREHOUSE and COLD STORAGE—B. L. Hulsebus, archt., 1232 Jeff Bldg., taking bids 7 story and basement, 175 x 200 ft., rein.-con., plain foundation, for Central Warehouse & Cold Storage Co.

Wis., Kaukauna — POWER PLANT — Green Bay & Mississippi Canal Co., Insurance Bldg., Appleton, taking bids 2 story, 37 x 170 ft., brick and concrete, plain foundation, here. W. K. Kolb, c/o owner, engr. Noted March 19.

Wis., Menomonie—COLD STORAGE—See "Contracts Awarded."

Kan., Arkansas City—POWER PLANT—See "Contracts Awarded."

Calif., Pittsburgh — PLANT — See "Contracts Awarded."

BIDS RECEIVED

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—Dept. Pub. Wks., Boston, J. A. Rourke, comr., 1 story, 55 x 200 ft., rein.-con., brick and steel, Hancock St., here, from J. A. Singarella, 110 High St., $49,250. Noted June 18.

Mich., Detroit—POWER PLANT—Public Lighting Comn., East Atwater St., superstructure 1 and 3 story, rein.-con., brick and steel, Morrell St., from W. E. Wood Co., 1805 Ford Bldg., $1,534,800.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.)—FACTORY—New England Confectionery Co., 253 Summer St. Ext., Boston, 6 story, 450,-000 sq.ft. floor space, rein.-con., brick and steel, plain foundation, Massachusetts Ave. and Lansdowne St., to Hegeman-Harris Co., 16 North Harvard St., Brighton. Archts. est. $1,000,000. Noted Aug. 27.

Mass., Woburn—REPAIR and SERVICE GARAGE—Holland Bros., Park St. will build 1 story, 85 x 95 ft., rein.-con. and brick, Park St., by day labor. $70,000. Private plans.

Conn., Waterbury—FACTORY—A. H. Wells & Co., 563 Watertown Ave., 1 story, 100 x 145 ft., brick and concrete addition, to Clark Constr. Co., 168 Grand St. Archts. est. $50,000. Noted Sept. 3.

Pa. Chester — MILK DISTRIBUTION STATION, etc. — Supplee Wills Jones Co., 1523 North 26th St., Phila., 1 story and

Buildings—Industrial (Continued)

basement, 152 x 154 ft., rein.-con., brick and steel, plain foundation, 12th and Wabash Sts., to G. Kessler Co., 1732 North Merwine St., Philadelphia.

Pa., Latrobe—STEEL PLANT—Latrobe Electric Steel Co., 1 story, 60 x 400 ft. addition, to Austin Co., Union Trust Bldg., Pittsburgh. Archts. est. $100,000. Noted Aug. 27.

Pa., New Castle—BOILER FOUNDRY—Natl. Radiator Co., 1 story boiler foundry addilton, to Smith & Bauman, New Castle. Archts. est. $50,000.

Pa., Salina—BRICK PLANT—Kier Fire Brick Co., 1844 Oliver Bldg., Pittsburgh, 1 story brick plant, here, to H. K. Ferguson Co., 6300 Euclid Ave., Cleveland, O. Archts. est. $100,000. Noted April 2.

Ky., Louisville — HYDRO-ELECTRIC PLANT — Louisville Hydro-Electric Co., will build 108,000 hp. plant in eight 13,500 hp. units with provisions for ultimate capacity of 135,000 hp., 507 ft. long, between Rock Island and Kentucky shore, under supervision Byllesby Eng. & Management Corp., 231 La Salle St., Chicago, Ill. $7,500,000. Noted Sept. 4.

O., Cleveland — FACTORY — Lakewood Eng. Co., L. Brown, pres., West 117th St. and Berea Rd., 1 story, 62 x 120 ft., brick and steel, to Austin Co., 16112 Euclid Ave. Archts. est. $50,000.

O., Cleveland — DAIRY, etc. — Ohio Farmers Co-operative Milk Co., R. N. Strong, pres., 3068 West 106th St., altering 1 and 2 story, brick and concrete dairy and constructing new boiler house, West 106th St., to Van Blarcom Co., Natl. City Bldg. Archts. est. $100,000. Noted Sept. 3.

O., Columbus — GARAGE and SHOW ROOM—Scioto Motors Co., 841 North High St., 1 story and basement, 87 x 216 ft., rein.-con., brick and steel, North High St., to H. D. Ball, 288 Oakland Park. Archts. est. $100,000.

Wis., Kenosha — BOILER HOUSE — Bd. Educ., brick and concrete, plain foundation, for Central High School, to Madsen & Peterson, 646 Builders Exch. Bldg., Minneapolis, Minn., $77,386.

Wis., Menomonie — COLD STORAGE—Dunn County, C. K. Averill, trustee, will build 3 story, 40 x 75 ft., brick and timber, plain foundation, at Asylum, by day labor. $45,000. Oppenhamer & Obel, Bellin Bldg., Green Bay, archts.

Wis., Milwaukee — FACTORY — Oilgear Co., 659 Park St., 2 story, 54 x 168 ft., brick and steel addition, plain foundation, Park St., to Worden-Allen Co., Port Washington Ave. Archts. est. $50,000.

Wis., Milwaukee—MANUFACTURING—A. O. Smith Corp., 27th St. and Keefe Ave., general contract 1 story, 182 x 520 ft., brick and steel, plain foundation, to Meredith Bros., 253 Washington St. Engrs. est. $90,000. Noted Sept. 3.

Kan., Arkansas City—POWER PLANT—Kansas Gas & Electric Co., 201 North Market St., Wichita, will build rein.-con. power plant station, here, by day labor. $80,000. C. B. Tingley, Wichita, dist. mgr. Noted Sept. 10.

Kan., Coffeyville—ROASTING KILN—Sherwin Williams Co., 116th and Stephenson Sts., Chicago, Ill., roasting kiln for paint and varnish factory, to Acme Fdry. & Machine Co., Coffeyville. Engrs. est. $100,000.

Mo., Kansas City—PAINT FACTORY—Seidlitz Varnish Co., 18th St. and Garfield Ave., 4 story and basement, 60 x 100 ft., fireproof addition, to W. M. Hall, 414 Hall Bldg., $100,000.

Mo., St. Louis—ORGAN FACTORY—G. Kilgen & Sons, Inc., Laclede and Vandeventer Aves., 1 story and basement, 60 x 73 ft., rein.-con. and brick, Union Blvd., to Kilgren & Murphy Building Co., 512 Wainwright Bldg. Archts. est. $150,000.

Mo., St. Louis—FACTORY—St. Louis Label Wks., 925 North 11th St., 3 story and part basement, 80 x 183 ft., rein.-con. and brick, Glasgow and North Market Sts., to Fruin-Colnon Contg. Co., Merchants Laclede Bldg. Archts. est. $100,000. Noted Aug. 20.

Okla., Enid — PLANT — Miller Boiler & Tank Co., will build 1 story, 75 x 160 ft., steel plant, also 60 x 158 ft. car shed, by day labor.

Calif., Los Angeles—FACTORY—Sunset Silk Hose Mills, 2 story, 70 x 135 ft. factory, 1 story, 33 x 64 ft. dyeing building, and 1 story, 30 x 38 ft. boiler building, San Fernando Rd. near Edwards St., to J. C. Bannister, 6331 Hollywood Blvd., $80,000. Noted Aug. 27.

Calif., Pittsburgh—PLANT—Johns-Manville Co., 500 Post St., San Francisco, will build 2 brick and steel buildings, as first unit of plant here; by day labor. $30,000. Total cost $1,000,000. Noted June 25.

Buildings—Commercial

PROPOSED WORK

Me., Portland — APARTMENT — A. L. Bradbury, Hollis Centre, plans 10 story apartment, Cumberland and Forest Aves., here. $750,000.

Vt., Rockingham—CITY HALL—Town of Rockingham, Bellows Falls, had sketches made by Larson & Wells, Hanover, N. H., 3 story and basement, 100 x 110 ft., brick and steel, Bellows Falls Sect. $250,000.

Vt., Rockingham (Bartonsville P. O.)—THEATRE—Town plans rebuilding 2 story, brick theatre, recently destroyed by fire. $250,000. Engineer and architect not selected.

Mass., Belmont (Boston P. O.)—HOSPITAL—Belmont Hospital, Inc., Concord Ave., having preliminary plans prepared by M. A. Dyer, 1 Beacon St., Boston, 2 story and basement, brick hospital. $200,000.

Mass., Brookline (Boston P. O.)—APARTMENT—Tudor Associates, 263 Harrison Ave., Boston, having plans prepared by Whitten & Gore, 31 Milk St., Boston, 8 story and basement, 100 x 126 ft., rein.-con. and steel, 1442 Beacon St. $500,000.

Mass., Cambridge (Boston P. O.) — APARTMENT—Harlow Realty Co., 4 Brattle St., takes bids about Oct. 1, 4 story and basement, 4,500 sq.ft. floor space, brick and stone, 32 Shepard St. $150,000. H. Harlow, 4 Brattle St., archt. Noted May 7.

Mass., Medford—CITY HALL—City, R. B. Coolidge, mayor, plans new city hall To exceed $150,000. Engineer and architect not selected.

Mass., Melrose (Boston P. O.) BANK—Melrose Savings Bank, 497 Main St., plans 2 story bank, Main and West Foster Sts. $150,000. Engineer and architect not selected.

Mass., Westfield — BANK — First Natl. Bank, having plans prepared by M. B. Harding, 10 Main St., 2 story and basement, 90 x 300 ft., brick and stone. $400,000.

R. I., Newport — CITY HALL — City, Town Clerks Office, rejected bids Sept. 3, 3 story, brick and steel, Bway. $250,000. Appleton & Stearns, 53 State St., Boston, archts. Noted Sept. 10.

R. I., Providence — OFFICE — Waites Auto Supply Co., 64 Exchange Pl., having preliminary plans prepared by Stone, Carpenter & Sheldon, Industrial Bldg., 3 or 4 story and basement, brick and steel, Empire St. $150,000 or more.

R. I., Providence—THEATRE—J. Cohn, c/o E. Q. S. Whitford, archt., Hills Grove, rejected bids 2 story and basement, 20,000 sq.ft. floor space, rein.-con. and brick, plain foundation, Bway. and Westminster St. $500,000. Will readvertise. Noted Aug. 27.

Conn., Bridgeport—APARTMENT—W. F. Chatlos, Broad St., Stratford, had plans prepared by J. W. Northrop, 211 State St., 7 story, brick and steel, Courtland, Golden Hill and Washington Aves. $350,000. Noted Aug. 7.

Conn., Bridgeport—TEMPLE—Pyramid Temple, AAOMS, G. E. Crawford, chn., 2090 North Ave., plans masonic temple, State St. and Wordin Ave. $500,000. Engineer and architect not selected.

Conn., Derby — THEATRE — Malm Amusement Co., 220 Bway., New York City, will not construct 2 story, 65 x 90 ft., and 100 x 122 ft., brick, stone and steel theatre, here. $250,000. Project abandoned. Starrett & Van Vleck, 8 West 40th St., New York City, archts. Noted Sept. 3.

Conn., Hartford — FIRE HEADQUARTERS—Bd. Fire Comrs. take bids about Sept. 21, 3 story, 50 x 150 ft., brick and stone, 275 Pearl St. $250,000. Smith & Bassette, 36 Pearl St., archts. Noted June 18.

Conn., New Britain — THEATRE and OFFICE — B. Hoffman, 113 Church St., New Haven, and G. J. Hoffman, Ansonia, having plans prepared by E. C. Horn & Sons, 1476 Bway., New York City, 2 story, 40 x 150 x 200 ft., brick, steel and rein.-con., Main St. here. $500,000.

Conn., Waterbury—APARTMENT—Daly Estate, c/o F. A. Webster, archt., 51 West Main St., having plans prepared brick and steel, Main St. $150,000 or more.

N. Y., Brooklyn — APARTMENTS — Owner, c/o Shampan & Shampan, archts. and engrs., 188 Montague St., having plans prepared, two 6 story, brick, steel and stone, plain foundations, East 18th St. $500,000 each.

N. Y., Brooklyn — BANK — Flatbush Savings Bank, 910 Flatbush Ave., having plans prepared brick, steel and stone, plain foundation, Flatbush Ave. $200,000. [illegible] Boyd, 286 5th Ave., New York City, archt.

N. Y., Brooklyn—HOTEL—Danett Realty Co., c/o Seelig & Finklestein, archts., 44 Court St., having plans prepared 14 story, brick, steel and stone, plain foundation, West 5th St. $1,000,000.

N. Y., Brooklyn—HOME—Brooklyn Industrial Home for Blind, Gates Ave., having plans prepared by Tillion & Tillion, archts. and engrs., 415 Lexington Ave., New York City, 125 x 140 ft., brick, steel and stone, plain foundation, 516 Gates Ave. $400,000.

N. Y., New York—APARTMENT—N. Minskoff, 2382 Grand Concourse, plans 15 story, brick, steel and stone, plain foundation, 119 West 72nd St. $1,500,000.

N. Y., New York—APARTMENT—H. A. Blumenthal, c/o Schwartz & Gross, engrs. and archts., 347 5th Ave., having plans prepared 9 story, brick, steel and stone, plain foundation, West 78th St. $500,000.

N. Y., New York — APARTMENT — H. Hemingway, c/o R. Candela, archt., 200 West 72nd St., making sketches 15 story, brick, steel and stone, plain foundation, East 56th St. $1,000,000.

N. Y., New York — BANK — Standard Bank, 55 Avenue B, having plans prepared by C. N. Whinston, archts. and engrs., 2 Columbus Circle, 3 story, brick, steel and stone, plain foundation, 79th St. and 1st Ave. $150,000.

N. Y., New York—CLUB HOUSE and SEMINARY—Residence Club House, c/o H. I. Cobb, archt. and engr., 1465 Bway., having plans prepared 11 story, brick, steel and stone, plain foundation, 231 East 49th St. $500,000.

N. Y., New York—HOTEL—J. Golding & Bros., 225 West 88th St., plans 25 story, brick, steel and stone, plain foundation, Central Park West. $6,000,000. Engineer and architect not selected.

N. Y., New York — OFFICE — Fifteen West Forty-Seventh St. Corp., c/o W. M. Mason, archt., Grand Central Terminal, East 42nd St., having plans prepared, 18 story, brick, steel and stone, plain foundation, West 47th St., $1,000,000.

N. Y., New York—THEATRE—Emesco Amusement Co., 80 Clinton St., E. Mayer, pres., having plans prepared by H. G. Wiseman, archt. and engr., 25 West 43rd St., 100 x 125 ft., brick, steel and stone, plain foundation, Clinton St. $275,000.

N. Y., New York—THEATRE—One Hundred East Houston St. Corp., c/o S. J. Kessler, archt. and engr., 529 Cortlandt Ave., having plans prepared brick, steel and stone, plain foundation, 96-106 East Houston St. $800,000.

N. Y., New York—WAREHOUSE—Manhattan Storage & Warehouse Co., 124 East 42nd St., had plans prepared by F. Y. Joannes, archt. and engr., 247 Park Ave., 15 story, rein.-con., brick and steel, 201 East 80th St. $900,000. Noted Sept. 3.

N. J., Newark—WAREHOUSE—Standard Sanitary Mfg. Co., 18 East 45th St., soon takes bids 4 story, rein.-con., brick and steel, plain foundation, Ferry St. $500,000. W. S. Timmis, 315 5th Ave., New York City, archt.

Pa., Charleroi — HOSPITAL — Charleroi Monessen Hospital, c/o J. B. Schafer, McKean St., having sketches made by S. F. Heckert, Bessemer Bldg., Pittsburgh, 3 story and basement hospital. $400,000.

Pa., Phila.—THEATRE, etc.—Ogontz & Church Lane Realty Co., c/o Magaziner, Eberhard & Harris, archts., 603 Chestnut St., and Hoffman-Henon Co., and archts., Finance Bldg., having revised plans prepared 2 and 3 story and basement, 71 x 87 x 168 ft., and 74 x 120 ft. theatre, Ogontz and Chelton Aves. Noted July 2.

Pa., Phila.—SALES and TERMINAL—Packard Motor Co., 319 North 19th St., having preliminary plans prepared by P. S. Tyre, 1505 Arch St., 3 and 4 story and basement, 200 x 265 ft., Broad and Allegheny Sts.

Md., Springfield — THEATRE — M. E. Gillioz, 1117 Boonville St., having plans prepared by United Studios, 2110 Walnut St., Chicago, Ill., 1 story and part basement, 74 x 118 ft., brick, here. $150,000.

La., Alexandria — TEMPLE — Masonic Assn., soon takes bids 3 story, rein.-con. and steel temple. $250,000. S. Stone, Jr., 714 Union St., New Orleans, consult. archt. H. J. Duncan, Alexandria, associated archt. Noted July 22.

O., Cincinnati — THEATRE — Cinco Co., 525 Walnut St., having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., 8 story and basement, rein.-con. and brick, plain foundation, 5th and Vine Sts. $1,500,000.

Buildings—Commercial (Continued)

O., Columbus — AUDITORIUM and GARAGE—J. E. McCrehen, 152 East State St., having sketches made 6 story and basement, 187 x 187 ft., Front and Tower Sts. $150,000. Engineer and architect not announced.

O., Lima — BANK and OFFICE — Old Natl. Bank, E. L. Maire, pres., having sketches made by Walker & Weeks, 1900 Euclid Bldg., 8 story and basement, 50 x 87 ft., brick, steel and concrete bank and office building. $350,000. Noted Aug. 27.

O., Ravenna—COURT HOUSE—Portage Co., plans 2 story, addition to court house. $175,000.

Ill., Chicago—APARTMENT HOTEL—H. L. Solomon & I. W. Sevin, 140 North Dearborn St., organizing syndicate and having preliminary plans prepared 12 or more story apartment hotel, on 141 x 148 x 198 ft. site, Surf St. and Sheridan Rd. $2,000,000-$2,500,000.

Ill., Chicago—APARTMENT HOTEL—A. Levy & W. J. Klein, archts., 111 West Washington St., soon take bids 3 story and basement, 50 x 175 ft., rein.-con. and brick, 1414 Pratt Blvd., for I. Shanedling and L. Cole, 5018 Bway. $150,000.

Ill., Chicago—APARTMENT—H. A. Hedman, c/o P. Olsen, archt., 729 Cass St., had plans prepared 3 story and basement, 130 x 150 x 180 ft. ,rein. con. and brick, Woodlwan Ave. near 45th St. $200,000.

Ill., Chicago—APARTMENT—M. Telechansky, c/o E. J. Patelski, archt., 179 North Wells St., had plans prepared 3 story and basement, 150 x 154 ft., rein.-con. and brick, University Ave. and 53rd St. $250,000.

Ill., Chicago — APARTMENT HOTEL — W. C. Bannerman, 2218 Lawrence St., had plans prepared by Hall, Lawrence, Rippel & Radcliffe, 123 West Madison St., 6 story, 50 x 140 ft., rein.-con., plain foundation, 424 Melrose Ave. $300,000.

Ill., Chicago—APARTMENT HOTEL—C. H. Sundberg, c/o W. S. Ahlschlager, archt., 65 East Huron St., had plans prepared 3 story and basement, 100 x 110 ft., rein.-con. and brick, Clarenden Ave. and Garden Terrace, $240,000.

Ill., Chicago—OFFICE—Graham, Anderson & Probst & White, archts., 80 East Jackson Blvd., soon take bids 14 story and basement, 50 x 66 ft., rein.-con. and brick addition to Terminals Building, caisson foundation, 543-547 South Dearborn St., for A. S. Schulman, 537 South Dearborn St. $350,000.

Ill., Chicago — RECREATION and OFFICE — P. F. W. Peck et al., 80 East Jackson Blvd., had plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 7 story, 144 x 165 ft., rein.-con., plain foundation, Wabash Ave. and Congress St.

Ill., Chicago — THEATRE, STORE and APARTMENT — R. Levine & Co., archts., 820 West 70th St., takes bids about Oct. 15, 3 story, 131 x 160 ft., rein.-con. and brick, plain foundation, 25th St. and 43rd Ave., here, for S. J. Gregory, Hammond, Ind., $600,000.

Ill., Chicago—WAREHOUSE—Chatten & Hammond, archts., 160 North La Salle St., take bids about Sept. 20, 6 story and basement, 80 x 125 ft., brick, 215-227 South Loflin St., for Underwriters Salvage Co., West Jackson Blvd. near Halsted St.

Ill., Cicero — THEATRE, STORE and APARTMENT — S. J. Gregory, et al., c/o Levine & Rupert, archts., 822 West 70 St., Chicago, soon takes bids 3 story and basement, 131 x 160 ft., rein.-con., brick and terra cotta, 25th St. and 53rd Ave., here. $500,000.

Mich., Detroit—HOTEL—Weston & Ellington, archts., 1507 Stroh Bldg., preparing plans 12 story and basement, 150 x 200 ft., rein.-con. and brick, plain foundation. $900,000. Owner's name withheld.

Wis., Green Bay — APARTMENT — F. Buchholz, 212 East Walnut St., plans 4 story and basement, rein.-con. and brick, plain foundation, South Van Buren Ave. $150,000. Engineer and architect not selected.

Wis., Milwaukee—BANK—Teutonia Ave. State Bank, 1074 Teutonia Ave., plans 1 story and basement, 50 x 130 ft., brick, concrete and stone, Teutonia Ave. $150,000. Engineer and architect not selected.

Wis. Milwaukee—THEATRE and BUSINESS—Mal Investment Co., 425 East Water St., having preliminary plans prepared by Dick & Bauer, 811 State St., 2 story and basement, rein.-con., brick and terra cotta, plain foundation, Farwell Ave. $500,000.

Wis., Minocqua—HOTEL—A. Puerner & A. S. Green, c/o R. Messner & Bro., archts., 221 Grand Ave., Milwaukee, having plans prepared 3 story, brick and tile, plain foundation. $300,000.

Ia., Bettendorf (Davenport P. O.) — LODGE—Iowa Grand Chapter, A. F. & A. M., Des Moines, having plans prepared by Beuttler & Arnold, Grain Exch., Sioux City, 3 story and basement, rein.-con. brick and stone lodge, here. $150,000.

Ia., Cedar Rapids—HOSPITAL—Cedar Rapids Lutheran Hospital Assn., R. H. Willis, secy., making preliminary plans 2 and 3 story, brick, concrete and stone hospital. To exceed $150,000. Engineer and architect not announced.

Minn., Minneapolis—HOSPITAL—Northwestern Hospital, 2627 Chicago Ave., having plans prepared by Long & Thorshov, 1028 Andrus Bldg., 6 story and basement, rein.-con., brick and stone addition, 2627 Chicago Ave. Excavation and foundation for same, awarded to C. F. Haglin & Sons, 226 Lumber Exch. Bldg.

Kan., Salina — HOSPITAL—Northwest Kansas Methodist Episcopal Conference, c/o C. Shaver, archt., Salina, had plans prepared and soon takes bids (1st unit) 38 x 86 ft. of 4 story and basement, 86 x 150 ft., U shaped, rein.-con., plain foundation. $500,000.

Mo., Kansas City—APARTMENT—C. E. Phillips, Victor Bldg., having plans prepared by N. E. Peters, 1006 Orear Bldg., 4 story and basement, rein.-con., plain foundation, on 120 x 150 ft. site, Broadway Blvd.

Mo., Kansas City—GARAGE—E. Scott, Loss Angeles, Calif., having plans prepared by G. F. Green, Rialto Bldg., 2 and 3 story, 66 x 138 ft., rein.-con., 920 Locust St., here. $150,000.

Mo., Kansas City—WAREHOUSE—W. S. Dickey, Kansas City Journal, 22nd and Oak Sts., having plans prepared by C. A. Smith, Finance Bldg., 8 story and basement, rein.-con., Santa Fe St. and St. Louis Ave. $400,000.

Mo., St. Louis—HOTEL—Southern Real Estate & Financial Co., Central Natl. Bank Bldg., having preliminary plans prepared 12 story, 86 x 135 ft., rein.-con., brick, steel, stone and terra cotta addition to American Hotel, 6th and Market Sts.

Ark., Ft. Smith — ORPHANAGE — Ft. Smith Klan 15, Klu Klux Klan, D. L. Ford, secy., 513½ Rogers Ave., having preliminary plans prepared 3 story, brick and concrete orphanage. $200,000.

Tex., Laredo—HOTEL—M. Little, c/o Hamilton Hotel, having preliminary plans prepared 12 story and basement, rein.-con., brick and stone, plain foundation, Matamoras St. and Salinas Ave. $350,000. Noted Dec. 18.

Tex., San Angelo—HOTEL—McBurnett Hotel Co. having preliminary sketches made 10 story and basement, 140 x 160 ft., rein.-con., brick and stone, plain foundation. $325,000. Private plans. A. Badger, genl. mgr.

Tex., San Angelo—HOTEL—McBurnett Hotel Co. having plans prepared by R. E. Lane, archt. and engr., Waco, 7 story and part basement, rein.-con., brick, tile and stone addition, plain foundation. $175,000.

Tex., San Angelo—HOTEL—S. A. Naylor, Vernon, having preliminary plans prepared about 8 story and basement, rein.-con., brick and stone, plain foundation. $300,000. Engineer and architect not selected.

Tex., San Antonio—CLINIC—F. Herff & W. M. Wolf, c/o City Natl. Bank Bldg., having plans prepared by A. B. & R. M. Ayres, archts. and engrs., Bedell Bldg., 4 story and basement, 103 x 145 ft., rein.-con., brick and stone, plain foundation, Jefferson St. $150,000. Noted Aug. 27.

Tex., San Antonio — CLUB — Alamo Country Club, W. Ochse, chn., c/o San Antonio Drug Co., plans club improvements, incl. rein.-con. swimming pool, aeroplane landing field, canopy over roof garden, etc., Fredericksburg Rd. $100,000.

Tex., San Antonio—OFFICE—Rogers-Hill Co., c/o Travis Bldg., takes bids about Oct. 15, 7 story and basement, rein.-con., brick and stone, plain foundation, Houston and Losoya Sts. $300,000. Private plans.

Tex., San Antonio—STORE and OFFICE—F. Herff & W. M. Wolf, c/o City Natl. Bank Bldg., having preliminary plans prepared by A. B. and R. M. Ayres, Bedell Bldg., 4 story and part basement, 103 x 144 ft., rein.-con., brick and stone, plain foundation, Jefferson St. $150,000.

Wash., Seattle — HOTEL — H. Bittman, archt., Securities Bldg., takes bids about Oct. 1, 12 story, rein.-con. and terra cotta, 5th and Virginia Sts., for Maxim Land & Investment Co., c/o architect.

Wash., Tacoma—APARTMENT—C. F. W. Lundberg, archt., Provident Bldg., takes bids about Oct. 1, 10 story and basement, 110 x 115 x 170 ft., rein.-con., brick and cast stone, Division St. and Bway., for Bricker Investment Co., Provident Bldg. $750,000.

Calif., Altadena (Pasadena P. O.) — HOME — Boys and Girls Aid Society of Pasadena, had plans prepared by M. Hunt, 1107 Hibernian Bldg., Los Angeles, 2 story, 132 x 262 ft. main building, 31 x 196 ft. dormitories, 114 x 143 ft. hospital, and 50 x 54 ft. power house, etc., here. $300,000. Noted May 21.

Calif., Glendale — CLUBHOUSE — Glendale Athletic Club having plans prepared by A. G. Lindley, 800 Amer. Bank Bldg., 4 story, 125 x 200 ft., rein.-con., Central Ave. $150,000-$200,000.

Calif., Los Angeles—LOFT—Lloyd & Caster, Hillstreet Bldg., having plans prepared by W. D. Lee, 401 Sun Bldg., 8 story and basement, 100 x 140 ft. rein.-con., Pico and Maple Sts. To exceed $150,000.

Calif., Los Angeles—THEATRES—West Coast Theatres, Inc., Knickerbocker Bldg., having plans prepared by L. A. Smith, 3rd and Western Aves., 2 story, 135 x 150 ft., Western and Maplewood Aves., $200,000; and 3 story, 135 x 162 ft., Wilshire Blvd. and La Brea Ave., $350,000, both rein.-con.

Ont., London—HOTEL—Lynch Constr. Co. (owners and archts.) 100 East 42nd St., New York City, N. Y., plans 6 and 8 story, 250 x 350 ft., brick and steel hotel, Wellington St. $1,000,000.

BIDS DESIRED

N. H., Manchester—STORE and OFFICE—H. and L. Dana, 20 Pemberton Sq., Boston, taking bids 1 and 2 story, 50 x 100 ft., brick store and office building. $150,000. F. A. Norcross, 46 Cornhill St., Boston, Archt.

Mass., Lawrence — OFFICE — Garvey Bros. & Wagenback, 362 Essex St., taking bids 4 story and basement, 60 x 100 ft., brick office building. $200,000. Private plans.

Mass., Lynn — LODGE and STORE — Sept. 21, by Knights of Pythias, W. E. Salmon, 23 Central Ave., brick and steel, Market St. $150,000. M. F. Burk, 173 Milk St., Boston, archt.

Mass., Norwood—MERCANTILE—Norwood Furniture Co. taking bids 2 story and basement, brick and limestone mercantile building, $150,000. M. Sullivan, 100 Boylston St., Boston, archt. Noted June 25.

Mass., Springfield — APARTMENT — See "Contracts Awarded."

Mass., Quincy (Boston P. O.)—POLICE STATION) Sept. 21 by City, Pub. Building, Dept., City Hall, 2 story and basement, rein.-con., brick and steel, Canal and Sea Sts. $150,000. Noted Aug. 27.

N. Y., New York — APARTMENT — See "Contracts Awarded."

Pa., Phila.—OFFICE and BANK—Sept. 24, by Ballinger Co., archts., 12th and Chestnut Sts., and Heacock & Hokenson, archts., 1211 Chestnut St., 18 story and basement, 39 x 136 ft., rein.-con., brick, stone and steel, plain foundation, Sydenham and Walnut Sts., for Mutual Trust Co., 4th and Market Sts. $1,100,000. Noted June 25.

Mich., Jackson—HOTEL—Sept. 22, by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, Ill., 9 story and basement, 126 x 127 ft., rein.-con. and terra cotta, here, for Hotel Hayes.

Wis., Madison—APARTMENT—Small & Flad, archts., Ellsworth Bldg., taking bids 3 story and basement, 88 x 100 ft., rein.-con., brick and steel, Adams St., for Smacko & Sinagube, 653 Washington Ave. $150,000.

Tex., Denton — HOTEL — R. B. Pender, taking bids 5 story and basement, rein.-con., brick, tile and stone, plain foundation. $200,000. H. L. Spicer, Amicabel Bldg., Waco, engr. and archt. Noted May 21.

BIDS RECEIVED

Mo., St. Joseph—HOSPITAL—Bd. Pub. Wks., Aug. 24, general contract 3 story and basement, 50 x 120 ft., Garfield and South 11th Sts., from T. W. Hackett, 1023 Church St., $92,500. Noted Aug. 20.

Calif., Oakland—HOTEL—J. K. Leaming, c/o W. H. Weeks, archt., 1924 Bway., general contract Leaming Hotel, from R. W. Littlefield, 357 12th St., $264,800; plumbing and heating from Scott Co., 381 11th St., $62,000 and $46,607 respectively. Noted June 25.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.) — OFFICE—Warren Bros., 9 Cambridge St., Boston, 4 story and basement, 68 x 110 ft., rein.-con., brick and stone, Charles River Rd., (Memorial Dr.), to Turner Constr. Co., 178 Tremont St., Boston. Archts. est. $175,000. Noted July 9.

Buildings—Commercial (Continued)

Mass., Fall River—STORE—Security System, c/o L. W. Bease, 21 Bease Pl., Springfield, 2 story and basement, 60 x 150 ft., brick and stone, South Main St., to E. J. Pinney Co., 374 Main St., Springfield. Archts. est. $150,000. Noted Sept. 3.

Mass., Norwood—HOSPITAL—Norwood Hospital, c/o H. W. Plimpton, 3 story and basement, 36 x 103 ft., and 43 x 108 ft., brick and stone, plain foundation, to I. F. Woodbury & Sons, 185 Summer St., Boston. Archts. est. $200,000. Noted July 30.

Mass., Springfield — APARTMENT — I. Satin, 270 Worthington St., will build 3 story and basement, 40 x 140 ft. brick, Worthington St. $150,000. Work will be done by separate contract. J. E. Foster, 105 Bridge St., archt. Noted June 11.

Mass., West Newton (Ind. br. Boston)—STORE—L. I. Cate, Watertown St., 2 story and basement, 75 x 185 ft., brick and rein.-con., to M. Slotnick, 333 Washington St., Boston. Archts. est. $150,000. Noted Aug. 27.

Conn., Bridgeport—SHOWROOM—B. D. Sheedy, 174 West 37th St., New York City, 2 story, 100 x 225 ft., brick and steel, to M. J. Riorden, Hoyt St., Norwalk. Archts. est. $150,000.

Conn., Winsted — THEATRE — Strand Theatre Corp., Main St., 1 story and basement, brick and steel, Main St., to Torrington Building Co., 182 Church St., Torrington. Archts. est. $150,000.

N. Y., Buffalo — OFFICE — Schoellkopf, Hutton & Pomeroy, Marine Trust Bldg., rein.-con., brick and steel, Niagara St., to J. W. Cowper, Fidelity Bldg., $250,000. Noted March 5.

N. Y., Mt. Vernon—APARTMENTS—Van Lahric Corp., c/o McKim, Mead & White, archts., 101 Park Ave., New York City, 10 brick, steel and stone apartments, plain foundations, East Lincoln Ave., to Van Evelyn Corp., 407 5th Ave. Archts. est. $650,000 each.

N. Y., New York—APARTMENT—Goldner Constr. Co., Sherman and Sickle Aves., will build brick, steel and stone, plain foundation, Nagle Ave. $500,000. Work will be done by separate contracts under supervision of owner. Private plans.

N. Y., New York — LOFT — Magoba Constr. Co., 103 Park Ave., will build 14 story, brick, steel and stone, plain foundation, West 29th St. $1,000,000. Work will be done by separate contracts. Schwartz & Gross, 347 5th Ave., New York City, archts. and engrs.

Pa., Phila.—APARTMENT—Gravell & Hall, archts., Otis Bldg., 12 story and basement, 40 x 71 ft., rein.-con., brick and steel, plain foundation, 15th and Spruce Sts., to Wark Co., 1600 Walnut St., for R. Seltzer Apartment Co., 1433 Locust St. $300,000. Noted Aug. 27.

Pa., Phila. — OFFICE — E. B. Temple, asst. ch. engr. Pennsylvania R.R., Broad St. Sta., 14 story and basement, 150 x 250 ft., rein.-con., brick and steel 32nd and Market Sts., to Irwin & Leighton, 126 North 12th St. Archts. est. $3,300,000. Noted Sept. 3.

D. C., Wash. — CLUB — National Press Club, Albee Bldg., 13 story, brick, steel and stone, 14th and F Sts., to George A. Fuller Co., 949 5th Ave., New York City. Engrs. est. $6,000,000.

N. C., Greensboro—BANK and HOTEL—Greensboro Bank & Trust Co., 17 story, concrete, brick, granite and terra cotta, Elm St., to J. W. Stout, Sanford, $1,400,000. Noted Sept. 10.

N. C., Greensboro — HOTEL — J. E. Latham & Associates, King Cotton Hotel, 13 story and basement, 50 x 100 ft., fireproof, Market St., to Foundation Co., 120 Liberty St., New York City, $1,350,000. This corrects report in Sept. 10 issue.

N. C., Rutherfordton—COURTHOUSE—Rutherford Co., 2 story and basement, brick, marble and Indiana limestone, to Southeastern Constr. Co., Trust Bldg., Charlotte, $203,000. Noted Aug. 27.

Ill., Chicago—APARTMENT—J. Hunt, archt., 30 North Michigan Ave., general contract 9 story (ultimately 21 story) and basement, 171½ x 194 ft., brick, steel, stone and marble, for Nine Hundred Michigan North Corporation, to J. B. French, 30 North Michigan Ave. Archts. est. $3,000,000. Noted Aug. 27.

Ill., Chicago — SERVICE STATION — Mack International Motor Truck Corp., R. Hallam, mgr., 132 East 23rd St., 1 and 2 story and basement, 266 x 460 ft., brick and terra cotta, 33rd St. and Wentworth Ave., to G. L. Arquette Co., 160 North La Salle St. $650,000.

O., Dayton—OFFICE—Herman & Brown, archts., Reibold Bldg., 19 story, rein.-con., brick and steel, plain foundation, North Main St., to H. R. Blagg Co., 1211 East 3rd St., for Dayton Savings & Trust Co., 25 North Main St. $500,000. Noted Aug. 6.

O., Lima — BANK and OFFICE — Lima Trust Co., Market St. and Public Sq., will build 12 story and basement, 75 x 125 ft., brick and tile bank and office building, by day labor. $750,000. Weary & Alford, 1923 Calumet Ave., Chicago, Ill. Noted July 2.

O., Youngstown—HOTEL and HOME—Salvation Army, 29 North Walnut St., 4 story and basement, 40 x 171 ft., brick, 262 East Federal St., to Heller Bros. Co., Thurman and Rayen Aves., $160,000.

O., Youngstown—STATION—New York Central R.R. Co., A. S. Ingalls, genl. mgr., West 35th St. and St. Clair Ave., Cleveland, 2 story and basement, brick, steel and concrete, here, to Walsh Constr. Co., 19 South La Salle St., Chicago, Ill., $450,000. Noted Aug. 27.

Ill., Chicago—South Chicago Y. M. C. A., S. O. Houser, 19 South La Salle St., bus. mgr., general contract 3 story and basement, 100 x 150 ft., incl. gymnasium, etc., 91st St. and Houston Ave., to Schmidt Bros. Constr. Co., 22 East Huron St. Noted Apr. 30.

Wis., Milwaukee — CLUB HOUSE — Milwaukee Eagles 137, 2401 Grand Ave., 3 story and basement, 140 x 208 ft., steel and concrete, plain foundation, Grand Ave., to Immel Const. Co., Dana Bldg., Fo d du Lac. Archts. est. $600,000. Noted Aug. 20.

Wis., Sheboygan—APARTMENT—J. F. Enz, 608 North 8th St., 4 story and basement, 62 x 130 ft., rein.-con. and brick, plain foundation, to Immel Const. Co., Dana Bldg., Fond du Lac. Archts. est. $150,000. Noted Aug. 27.

Kan., Manhattan — DORMITORY — Kansas State Agricultural School, 3 story and basement, 85 x 169 ft., rein.-con., brick and stone, to M. J. Green, Manhattan, $125,000. Noted Aug. 27.

Kan., Wichita—COMMERCIAL—W. A. Vincent, 3 story and basement, 100 x 140 ft., rein.-con., brick and stone, 1st and Topeka Sts., to Eberhardt Constr. Co., Salina. Western Lithograph Co., 125 North Emporia St., lessee. Noted Aug. 6.

Neb., Omaha—OFFICE and STORE—W. S. Crosby, archt., 17 North La Salle St., Chicago, Ill., completing Dodge Building (formerly known as Medical Arts), 17 story and basement, rein.-con. and steel, concrete pile foundation, 17th and Dodge Sts., here to Seldon-Breck Constr. Co., Arthur Bldg., for B. Kulp and associates, 3158 West Madison St., Chicago, Ill. Engrs. est. $2,000,000. Portion of steel frame (now in place) to be removed making L shaped structure. Noted Sept. 4, 1924.

N. D., Bismarck—NURSES HOME—St. Benedicts Academy, St. Joseph, Minn., 3 story and basement with 4 story section, rein.-con. and brick, general contract, to T. A. C. Guthrie Constr. Co., 545 Endicott Bldg., St. Paul. Archts. total est. $200,000. Noted May 28.

Tex., Houston—HOTEL—Rice Hotel Co., c/o N. E. Meadows, pres., Bankers Mortgage Bldg., 17 story, 41 x 114 ft., and 2 story, 32 x 103 ft., rein.-con., brick, stone and steel addition, Texas Ave. and Travis St., to G. W. Hewitt, 2230 Commerce St., Dallas, approximately $700,000. Noted January 29.

Calif., Los Angeles — HOTEL and STORE—M. Friedman, Detwiler Bldg., taking bids 5 story and basement, 106 x 150 ft., rein.-con. and brick, 8th St. and New Hampshire Ave. $150,000. Owner's name withheld. Noted June 11.

Calif., Los Angeles—HOTEL—L. G. Burmann, 1921 North Hobart St., 3 story, 80 x 124 ft. hotel, garage, etc. Wilcox and Selma Aves., to H. E. Jones, 818 Hollywood Guaranty Bldg., $150,000.

Calif., Los Angeles—THEATRE, STORE and OFFICE—Wholesale Properties Co., Westlake Professional Bldg., 3 story, 115 x 179 ft., rein.-con., Alavardo St. and Wilshire Blvd., to Wallace & Dunham, 2007 Wilshire Blvd., $290,000. Noted July 2.

Calif., Los Angeles—WAREHOUSE, etc.—General Electric Co., 724 South Spring St., 3 story, 80 x 240 ft., rein.-con., 52nd St. and Santa Fe Ave., to Austin Co. of California, 777 East Washington St., $300,000.

Buildings—Educational, Religious

PROPOSED WORK

Me., Bangor—SCHOOL—St. Johns Roman Catholic Church, having revised plans prepared by O'Connell & Shaw, 134 Newbury St., Boston, Mass., 3 story and basement, York St. $150,000. Noted Dec. 1924.

Mass., Brighton (Boston P. O.)—SCHOOL—City, Schoolhouse Dept., Boston, having preliminary plans prepared by E. I. Wilson, 109 State St., Boston, 2 story and basement, brick, Washington-Allston Dist., here. $150,000. Noted June 4.

Mass., Humarock — CHAPEL — Roman Catholic Church Society, c/o O'Connell & Shaw, archts., 134 Newbury St., Boston, having plans prepared 1 story and basement, 45 x 120 ft., rein.-con. and stone chapel, at Humarock Beach. $150,000.

Mass., New Bedford—CHURCH—North Christian Church, 173 Middle St., having sketches made by Brown & Poole, 448 Pleasant St., 1 story, brick and stone church. $150,000.

Mass., Somerville—(Boston P. O.)—SCHOOL—City of Somerville, Mayor's office, City Hall, plans 2 story, brick addition to Highland Ave. School. $175,000. Engineer and architect not selected.

Mass., Whitinsville—CHURCH — Trinity Church Society, c/o C. C. Coveney, archt., 184 Boylston St., having preliminary plans prepared 1 story and basement, brick and stone church, here. $150,000.

Conn., Waterbury — CHURCH — St. Michaels Roman Catholic Parish, D. A. O'Donnell, pastor, Waterville (Waterbury P. O.), plans church, Homer and Thomaston Aves., here. $150,000. Engineer and architect not selected.

N. Y., Brooklyn—CHURCH—First Church of Christ Scientist, 261 East 21st St., having sketches made by S. S. Beman, archt. and engr., 108 South La Salle St., Chicago, Ill., brick, steel and stone, plain foundation, East 21st St. $250,000.

N. Y., Brooklyn—SCHOOL—St. Rosalies Roman Catholic Church, A. P. Cioffi, pastor, 1359 63rd St., having plans prepared by L. Giele, 1123 Bway., New York City, 4 story, brick, steel and stone, plain foundation, 65th St. $500,000.

N. Y., New York — COLLEGE — St. Michaels College, c/o A. Lee, pastor, St. Anns Hermitage, Poughkeepsie, having plans prepared by P. G. Stadler, 316 East 161st St., 4 story, brick stone and steel, plain foundation, Murdock Ave., here. $600,000.

N. Y., New York — NURSES SCHOOL — Mt. Sinai Hospital, 5th Ave. and 101st St., having plans prepared by R. D. Kohn, archts. and engrs., 56 West 45th St., brick, steel and stone, plain foundation, 5th Ave. and 98th St. $1,500,000.

Pa., Brownsville — HIGH SCHOOL — J. H. Harmon, archt., Fayette Title & Trust Bldg., Uniontown, rejected bids 2 story and basement, 78 x 124 ft., brick and steel, for Bd. Educ. $150,000. Noted Aug. 13.

Pa., Phila.—COLLEGE and MONASTERY—St. Joseph C llege, c/o A. G. Brown, pastor, 17th and Styles, having plans prepared by F. F. Durang, 1220 Locust St., 2, 3, and 4 story and basement, 170 x 186 ft., and 150 x 274 ft., rein.-con., steel and stone, plain foundation, 54th St. and City line.

Pa., Phila.—SCHOOL—St. Agnes Solvac Church, J. L. Yorke, pastor, having revised plans prepared by P. F. Getz, Victory Bldg., 3 story and basement, 58 x 108 ft., rein.-con., brick and steel, plain foundation. $150,000. Noted Sept. 10.

Pa., Pittsburgh — SYNAGOGUE — Poala Y. Zedeck Synagogue, c/o M. Friedman, Center and Crawford Aves., plans 1 story and basement, Phillips and Shady Sts. $300,000. Engineer and architect not selected.

Md., Baltimore—SEMINARY—St. Marys Seminary, Paca St., having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 3 story seminary. To exceed $150,000.

Va., Petersburg — HIGH SCHOOL — Bd. Educ. soon takes new bids Junior High School. $265,000. C. M. Robinson, Times-Dispatch Bldg., Richmond archt.

N. C., Charlotte — CHURCH — First Methodist Church having plans prepared by L. Asbury, Realty Bldg., new church, North Tryon St. $500,000.

La., Shrewsbury — SCHOOLS—Jefferson Parish School Bd., V. A. Pitre, pres., takes bids about Nov. 15, constructing 12 schools. $478,450. W. T. Nolan, Canal Commercial Bldg., Jones, Roessle & Olschmer, Maison Blanche Bldg., W. R. Burk, Balte Bldg., and T. L. Perrier, 310 Carondelet St., all in New Orleans, archts.

O., Carrollton — HIGH SCHOOL — Bd. Educ., plans 2 story and basement, brick, steel and concrete high school. $150,000.

O., Cleveland—CHAPEL and CREMATORY—Highland Park Crematory, Stop 18, Kinsman Rd., having plans prepared by Andrews, Jones, Biscoe & Whitemore, 50 Congress St., Boston, Mass., 1 and 2 story,

Buildings—Educational, Religious (Cont.)

brick and stone chapel and crematory. $250,000.

O., Coolville—HIGH SCHOOL—Election in November, $150,000 bonds, for high school, for Bd. Educ. Tray Twp., F. P. Tidd, clk. W. Mills, Nelsonville, archt.

Wis., Fond du Lac—CHURCH—Our Saviors English Lutheran Congregation, c/o B. Stecker, 253 Sheboygan St., having preliminary plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, 2 story, brick and stone, plain foundation, 9th and Main Sts. $150,000.

Neb., Lincoln—SCHOOL—Bd. Educ., L. G. Ludlam, secy., soon takes bids Park Grade Schol, 2 story and basement, rein.-con., brick and stone, 9th and F Sts. $325,000. Davis & Wilson, 525 South 13th St., archts.

Calif., Los Angeles—CHURCH—Roman Catholic Bishop, of Los Angeles and San Diego, having plans prepared by H. C. Newton, 304 San Fernando Bldg., 1 story and basement, 50 x 135 ft., rein.-con., Occidental Blvd. and Hoover St. $150,000.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., having plans prepared by Noerenberg & Johnson, 401 Los Angeles Ry. Bldg., 3 story top addition to 3 story and basement 100 x 265 ft., rein.-con. and brick, 16th St., Hill and Grand Aves. $300,000.

Calif., Los Angeles — HIGH SCHOOL — Bd. Educ., having plans prepared by R. E. Coate, 608 Union Bank Bldg., Thomas Starr King Junior High School, 3 story, 62 x 243 ft. main building 1 story, 64 x 138 ft. cafeteria, etc., and 1 story, 63 x 169 ft. manual arts building. $340,000.

Calif., Los Angeles — SYNAGOGUE — Edelman & Barnett, archts., 726 H. W. Hellman Bldg., soon let contracts 1 story, 120 x 260 ft., rein.-con., synagogue incl. 4 story and basement Sunday school dome, Wilshire and Hobart Blvds., for Congregational Bnai Brith. $1,000,000. S. T. Norton & F. H. Wallis, 1210 Financial Center Bldg., archts.

Ore., Eugene—AUDITORIUM—Lawrence & Holford, archts., Chamber of Commerce Bldg., Portland, preparing plans auditorium, University Campus, here, for State Building Comn., Salem. $300,000.

BIDS DESIRED

Mass., Haverhill—SCHOOL—Sept. 20, by City, City Councils Office, 2 story and basement, brick and steel addition, Grove St. $175,000. Morse & Chase, 25 Washington St., archts.

Mass., Hawthorne—SCHOOL—Trustees Essex Co., Agricultural School, Court House, Salem, taking bids 2 story and basement, 56 x 72 ft. with 43 x 43 ft. wing, brick and stone home making building. $150,000. Sanborn & Weed, 58 Exchange St., Lynn, archts.

Mass., Winchester—SCHOOL—Town, C. R. Main, chn. building com., taking bids 2 story and basement, brick and stone, Highland and Appalachian Aves. $150,000. Derby & Robinson, 5 Joy St., Boston, archts. Noted July 23.

R. I., Warwick—SCHOOLS—Sept. 28, by Town School Com., Town Hall, 1 and 2 story and basement, brick additions to Lakewood, Conminut and Oakland Beach schools. $150,000. T. J. H. Pierce, Inc., 30 Allens Ave., Providence, archts.

Conn., Bridgeport—SCHOOL—Sept. 21, by State Trade School, John St., 2 story and basement, 80 x 370 ft., brick and steel, Kossuth St. $250,000. E. B. Caldwell, Jr., 886 Main St., archt. Noted June 4.

Conn., Winsted—SCHOOL—Sept. 18, by Town, S. Clifton chn., 2 story and basement, 58 x 126 ft., brick and steel, North Main St. $150,000. W. E. Hunt, 182 Church St., Torrington, archt. Noted Aug. 7.

N. Y., Lyndonville—SCHOOL—Oct. 8, by C. C. Brown, dist. clk., cor. school; adv. E. N.-R. Sept. 17. Noted Sept. 3.

La., Bastrop—SCHOOL—Oct. 5, by J. W. Smith, archt., Monroe, La., 2 story, home economics and science building, brick, here, for Morehouse Parish School Bd. $150,000.

O., Cleveland—SCHOOL and CHURCH—W. G. Gill, archt., Plymouth Bldg., taking bids 2 story and basement, 118 x 118 ft., brick, steel and concrete, Halstead St., for St. Hedwigs Roman Catholic Church. F. M. Komlinski, 12903 Madison Ave., pastor. $150,000.

Mich., Manistee—HIGH SCHOOL—Sept. 25, by Bd. Educ., L. Jones, secy., 2 story and basement, rein.-con., brick and steel, plain foundation, 6th St. $250,000. J. N. Churchill, 906 Prudden Bldg., Lansing, archt.

Mich., River Rouge—SCHOOL—Sept. 24, by M. J. Higgins, secy. Bd. Educ., 2 story and basement, 120 x 150 ft., rein.-con. and brick addition, plain foundation. Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, archts. Noted July 30.

Ill., Chicago—SCHOOL—Sept. 19, by Bd. Educ. 3 story and basement, 90 x 368 ft., rein.-con. and brick, plain foundation, West 112th and South Bishop Sts. $450,000. J. Christensen, 620 South Clark St., archt.

Wis., Madison—HALL and REFECTORY—Oct. 6, by University of Wisconsin, J. Phillips, bus. mgr., 4 story, 75 x 100 ft., rein.-con. and steel addition to Bascom Hall, $300,000; also 2 story, 60 x 150 ft., rein.-con., brick and steel refectory, plain foundation, $200,000. A. Peabody, Capitol Bldg., archt. Noted June 25 and Aug. 13 respectively.

Mo., Liberty—CHAPEL and DORMITORY—Sept. 22, by William Jewell College, H. C. Wayman, pres., 3 story and basement, 58 x 114 ft. dormitory, and 2 story and basement, 63 x 114 ft. chapel, rein.-con., brick and stone. $150,000. C. A. Smith, 800 Finance Bldg., archt.

Tex., Vernon—CHURCH and SUNDAY SCHOOL—First Baptist Congregation, R. M. Fielder, secy. Building Com., taking bids 1 and 2 story and part basement, rein.-con., brick and stone, plain foundation. G. A. Carlander, 15 Massie Bldg., Amarillo, engr. and archt.

Calif., San Francisco—SCHOOL—Oct. 7, by Pub. Wks., for Hawthorne School, Shotwell St. between 22nd and 23rd Sts. $210,000. Bureau Architecture, City Hall, archt.

BIDS RECEIVED

R. I., Pawtucket—HIGH SCHOOL—City, W. C. Kendrick, school bd., Senior High School, 3 story and basement, brick, steel and concrete, Exchange St., from Cruise Constr. Co., Inc., 12 East Ave., $1,025,000. Noted Aug. 6.

Pa., Pittsburgh — HIGH SCHOOL — Bd. Educ., Fulton Bldg., Sept. 10, Taylor Alderdice High School, 1, 2 and 3 story and basement, Shady and Forward Sts., from H. Miller & Sons Co., 5th Ave., $1,149,000, (alternate 1) add $35,000, (2) add $90,000, (3) add $14,000 and (4) add $42,000. Noted Sept. 3.

Md., Baltimore — SCHOOL — Mayor and City Council, school and shop additions Warren and Battery Aves., from C. L. Stockhausen, Gay and Water Sts., $633,790. Noted Aug. 27.

Ia., Des Moines—CHURCH and SUNDAY SCHOOL — University Church of Christ Congregation, 4 story and basement 92 x 127 ft., rein.-con., brick and stone, 25th and University Sts., from J. A. Benson Constr. Co., 422 Valley Natl. Bldg., $220,000.

CONTRACTS AWARDED

Me., Bangor—SCHOOL—City, A. B. Garcelon, supt. schools, 2 story and basement, 64 x 208 ft. with 64 x 80 ft. wing, brick and stone, plain foundation, Bway., to McPherson & Barrows, 32 Hodgden St. Archts. est. $250,000. Noted Aug. 6.

Mass., Dartmouth — SCHOOLS — Town, School Dept. two 2 story, brick schools, one in North and other in South Dartmouth, to Carey Quarry & Constr. Co., 56 North Main St., Fall River. Archts. est. $150,000.

Mass., Wellesley—DORMITORY—Day & Kluder, archts., Franklin Bank Bldg., Pittsburgh, Pa., 3 story and basement, rein.-con., brick and steel, plain foundation, here, to Matthews Constr. Co., Far Hills, N. J., for Wellesley College. Archts. est. $300,000. Noted Aug. 13.

R. I., Johnston (mail Providence—SCHOOLS—School Com., W. C. Gill, chn., 2 story six room, brick addition to school, Waveland Ave., to Interstate Constr. Co., 107 Westminster St., Providence; also 6 room addition, School Street, to W. H. Hamelyn & Sons, Inc., 35 Greenwich St., Providence. Archts. est. $150,000. Noted June 11.

Conn., Hartford—THEOLOGY—Hartford Seminary Foundation, 155 Broad St., 3 story and basement, granite and brick, Sherman and Girard Aves., to Bartlett Brainard Co., 252 Asylum St. Archts. est. $150,000.

Conn., North Haven — SCHOOL — School Bd., City Hall, 2 story and basement, 60 x 110 ft., brick and steel, Linsley St., to Loucks & Clarke, 6 Ernest St., Wallingford. Archts. est. $150,000. Noted Aug. 13.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, P. S. 219, Clarkson Ave. from East 93rd to East 94th Sts., here, to Guidera & La Salle, 391 East 149th St., New York City, $687,925; plumbing, to J. E. Kahn, 224 West 20th St., New York City, $29,490; heating, to A. B. Simpson Co., Inc., $94,250. Noted Sept. 10.

N. J., Hammonton—HIGH SCHOOL—Bd. Educ., general contract 2 story and basement, 109 x 132 ft., 67 x 114 ft., and 66 x 106 ft. high school, to G. W. Shaner, Palmyra, $196,816. Noted Sept. 10.

Pa., Phila. — ART MUSEUM — Comrs. Fairmont Park, City Hall, to G. A. Fuller Co., Morris Bldg., completing shell for 4 story, 111 x 217 ft. museum with two 2 story 86 x 200 ft. and 868 x 165 ft. wings, marble and stone, Fairmont Park, furnishing architectural terra cotta $595,000, and interior finish $1,113,325; to A. O'Neill, 127 East Mermaid Lane, removing Washington Monument to point in front of museum, $82,900. Grand total $4,584,743. Noted Sept. 3.

Pa., Phila.—SENIOR HIGH SCHOOL—Bd. Educ., 19th and Chestnut Sts., general contract for 4 and 5 story and basement, 228 x 322 ft., rein.-con. and brick, plain foundation, 17th and Luzerne Sts., to Mecloskey Co., Inc., 1620 Thompson St., $1,659,659; electrical work, to J. F. Buchanan Co., 1904 Sansom St., $115,432; plumbing, to W. Ambrose, Leverington and Cambria Sts., $85,909; and heating, to Thompson Bros., 530 Buttonwood St., $240,500. Grand total $2,101,500. Noted Aug. 27.

O., Dayton—SCHOOL—Bd. Educ., C. S. Schmidt, secy., Ludlow Bldg., 2 story, rein.-con. and brick, plain foundation, Leo St., to H. R. Blagg Co., 1211 East 3rd St. $288,930. Noted Aug. 13.

O., South Euclid (Euclid P. O.)—SCHOOL—Bd. Educ., P. Prasse, clk., 3 story and basement, brick, steel and concrete, to M. B. Parker Constr. Co., 108 Union Bldg., $279,822. Noted Sept. 10.

Wis., Milwaukee—CHURCH—St. Sebastian Congregation, c/o J. Schiltz, pastor, 595 54th St., basement for 2 story, 102 x 140 ft., rein.-con. and brick, Washington Blvd., to E. Steigewols & Sons, 51st and State Sts. Noted July 23.

Kan., Manhattan—DORMITORY—State Bd. Administration, T. J. O'Neil, bus. mgr., general contract 3 story and basement, 85 x 169 ft. girls dormitory, brick, concrete and stone, to M. J. Green, Manhattan, $125,000. Noted Aug. 25.

S. D., Spearfish—SCHOOL—Regents of Educ., H. Gamble, secy State Normal school, 3 story and basement, rein.-con., brick and stone, general contract, to S. W. Jonason & Co., Aberdeen, $209,576. Noted Aug. 13.

Mo., Kansas City — HIGH SCHOOL — School Bd., Public Library Bldg., general contract West Side Junior High School, 3 and 4 story and basement, rein.-con., plain foundation, inc. swimming pool and 2 gymnasiums, 20th and Madison Sts., to C. W. VanVacter, 2817 Linwood Blvd., $320,000.

Ark., Hot Springs — JUNIOR HIGH SCHOOL—Bd. Educ., S. Lee, secy., general contract 3 story, 134 x 138 ft., brick, concrete and stone, Oak and Olive Sts., to Jones-Hewitt, Little Rock, $128,225.

Tex., Ft. Worth—MUSIC HALL—Southwestern Baptist Theological Seminary, c/o R. L. Scarborough, 2 story and basement, rein.-con., brick and stone, Seminary Hill, to J. T. Taylor, Burkburnett Bldg., $233,800.

Tex., Houston — SCHOOL — Dominican Sisters, 4 story, 50 x 150 ft., rein.-con. and brick, Almeda Rd. and Bellaire Ave., to Southwestern Constr. Co., 428 West Bldg., approximately $125,000.

Calif., Los Angeles—CHURCH—Wilshire Blvd. Christian Church, 3 story, 100 x 135 ft., rein.-con., Wilshire Blvd. and Normandie St., to Wurster Constr. Co., 1205 Natl. City Bank Bldg., $400,000.

Federal Government Work

PROPOSED WORK

Tex., Palacios—Camp—War Dept. Wash., D. C., plans permanent training camp, with bakery, powerhouse, refrigerating plant, roads, etc., here, for 36th Div. Natl. Guard. $500,000-$100,000,000. Work may be done by day labor. Address Lt.-Col. L. Westbrook, Palacios.

BIDS DESIRED

Mass., Beverly—Excavation—Oct. 14, by U. S. Engineer Office, Custom House, Boston, rock excavation in harbor, here; adv. E. N.-R. Sept. 17.

N. Y., Oswego—Quarters—Oct. 8, by J. V. Ingram, constructing quartermaster, Fort Ontario Office, converting 3 stone buildings into officers quarters, at Fort Ontario, here; adv. E. N.-R. Sept. 17.

Pa., Williamsport — Addition — Sept. 29, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing 2,380 sq.ft. addition to post office and courthouse, here.

Federal Government Work (Continued)

D. C., Wash.—Wire, etc.—Sept. 21, by A. L. Flint, Genl Purch. Officer of Panama Canal, Wash., D. C., insulated wires, power cable, boilers, pumps, etc.

Fla., Lakeland—Remodeling—Sept. 25, by Treas. Dept. at office Supervising Architect, Wash., D. C., extending and remodeling post office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Sept. 17.

Ala., Florence—Pressure Pipe System—Oct. 10, by U. S. Engineer Office, air pressure pipe system for navigation lock, Wilson Dam; adv. E. N.-R. Sept. 17.

Tenn., Tullahoma—Post Office—Oct. 13, by Treas. Dept., at office Supervising Architect, Wash., D. C., 2 story, brick and tile post office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Sept. 17.

Mich., Detroit — Borings — Sept. 24, by U. S. Lake Survey Office, Old Custom House, diamond drill borings, Long Sault Island, in St. Lawrence River; adv. E. N.-R. Sept. 17.

BIDS RECEIVED

N. Y., New York—Dredging—U. S. Engineer Office, 2nd Dist., Army Bldg., Sept. 14, 346,484 cu.yd. dredging and rock removal in New York and New Jersey channels, from Great Lakes Dredge & Dock Co., 17 Battery Pl., at $0.85 per cu.yd. Noted Aug. 20.

La., New Orleans — Levees — U. S. Engineer Office, 140 Decatur St., 20,000 sq.yd. concrete revetment on Convent Levee from Hercules Co., Ltd., Weiss Bldg., $25,200; also 6,500 cu.yd. earthwork, from S. T. Hulse, Destrahan, $4,538.

Calif., Los Angeles—Dredging—U. S. Engineer's Office, War Dept., Wash., D. C., dredging 1,300,000 cu.yd. in Los Angeles Harbor, here, from San Francisco Bridge Co., 14 Montgomery St., San Francisco at $0.165 per cu.yd. Noted Aug. 27.

CONTRACTS AWARDED

N. J., Newark — Dredging — U. S. Engineer Office, 2nd Dist., Army Bldg., New York City, dredging in Newark Bay, here, to Atlantic, Gulf & Pacific Co., 15 Park Row, New York City, $130,294. Noted Aug. 6.

Pa., Phila.—Paving—Spec. 5137—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving at Navy Yard, here, to Curtis Bros., State Road and Unruh St., $27,936 (120 days). Noted Aug. 20.

Pa., Phila. — Steel Tank — Spec. 5113 — Bureau Yards & Docks Navy Dept., Wash., D. C., steel water tank and tower at Naval Home, here, to Pittsburgh Des Moines Steel Co., Virginia Ry. & Power Bldg., Richmond, Va., $9,700 (120 days). Noted Sept. 3.

Pa., Pittsburgh—Dam—U. S. Engineer Office, War Dept., Wash., D. C., constructing Dam 4, Allegheny River, here, to General Contg. Corp., 605 Columbia Bank Bldg., $378,472. Noted Aug. 6.

Ala., Florence — Roof — U. S. Engineer Office, tile cover on lead gallery roof, Wilson Dam, Tennessee River, to Carmichael Tile Co., 104 East Ellus St., Atlanta, Ga. $21,-539. Noted Aug. 20.

Miss., Holly Springs—Post Office—Treas. Dept., at Office Supervising Archt., Wash., D. C., post office, here, to F. R. Comb, 2113 Chicago Ave., Minneapolis, Minn., $36,400. Noted June 25.

S. D., Hot Springs—Hospital—U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., general contract hospital, here, to Madsen & Peterson Co., 646 Builders Exch., Minneapolis, Minn., $353,-919; plumbing and sanitary drainage, to Inland Eng. Co., 355 State St., Hammond, Ind., $63,980; heating, to T. E. Thomas Plumbing & Heating Co., Ogden, Utah, $47,-201; electrical work, to Aberdeen Eng. Co., Aberdeen, $17,221; rein.-con. smokestack to Weber Chimney Co., 1452 McCormick Bldg., Chicago, Ill., $6,450. Grand total $488,771. Noted Aug. 20.

Unclassified

PROPOSED WORK

Boardwalk — Asbury Park, N. J. — City Comn. plans retopping boardwalk along ocean. $30,000. Rogers, Asbury Park, archt.

Heating and Ventilating, etc. — Phila., Pa. — Comrs. Fairmont Park, City Hall, returned unopened bids which were to have been opened Sept. 2 for heating and ventilating system in Art Museum, Fairmont Park. Will readvertise.

Lighting System — Plant City, Fla. — Voted $25,000 bonds for white way lighting system. W. H. Durrance, clk.

Swimming Pool—Kissimmee, Fla.—Election soon $30,000 bonds, for swimming pool. H. M. Reynolds, Orlando, archt.

Wharf — New Orleans, La. — Bd. Port Comrs., 200 New Court House Bldg., plans 400 ft. concrete and steel wharf, at Army base of Navigation Canal, $370,000; also razing and rebuilding Mandeville St. wharf, $2,000,000.

Lighting System — Columbus, O. — City Council making preliminary plans 14.5 mi. boulevard lighting system on Broad and High Sts. $365,750. City will pay 20% and property owners 80% of cost.

Land Development — St. Louis, Mo. — Joseph Darst Realty Co., 105 North 8th St., making surveys developing 275 acres on Olive St. Rd. between 7900 and 8500 West, 90 acres for industrial plants, the balance for residences and general utilities, etc. C. E. Smith & Co., Railway Exch. Bldg., engrs.

Swimming Pool — San Antonio, Tex. — City plans 60 x 200 ft. swimming pool, rein.-con., etc. along bank San Antonio River near Mission St. $25,000. I. Ewig, city engr.

Skating Rink, etc.—San Antonio, Tex.—J. K. Tobin, T. W. Carver, and R. F. McCampbell (promoters and owners) plan 1 story, 60 x 120 ft., rein.-con. and steel skating rink, and 70 ton capacity refrigeration plant. $105,000. Private plans.

Swimming Pool—San Antonio, Tex.—See "Buildings—Commercial."

Elimination of Grade Crossings — San Francisco, Calif.—City and San Francisco Co. made plans subway crossing at Junipero Serra Blvd. and Worcester St. $100,000. C. E. Healy, asst. city engr. Noted July 16.

BIDS DESIRED

Heating and Ventilating System — Worcester, Mass. — Holy Cross College, J. Dinard, pres., taking bids heating and ventilating system, in Library and Chapel. $25,000. Maginnis & Walsh, 100 Boylston St., Boston, archts.

Gallows Frames, etc.—New York—Sept. 24, by W. W. Mills, comr. Plant & Structures, Municipal Bldg., New York City, reconstructing gallows frames and operating equipment for Slips 1 and 2, Whitehall Ferry Terminal, Whitehall St., Manhattan, and Slips 1, 3 and 4, St. George Ferry Terminal, St. George.

Retaining Wall—New York, N. Y.—Sept. 22, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., retaining wall where necessary on westerly side of Harlem River Terrace between point about 490 ft. south of Fordham Rd. and Cedar Ave.

Pumping Equipment—New York, N. Y.—Oct. 6, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., pumping equipment with motors, control and piping in shafts and in mid river sump and pump chambers, for Holland Tunnel, Contr. 24. G. R. Dyer, chn. former and T. Boettger, chn. latter commissions; adv. E. N.-R. Sept. 17.

Borings—Phila., Pa.—Sept. 22, by Bureau City Property, City Hall, 22 borings for annex at City Hall, Juniper and Filbert Sts. Former bids rejected. Noted Sept. 3.

Bridge Machinery — Beaumont, Tex. — Sept. 28, by B. B. Johnson, judge Jefferson Co., operating machinery for Neches River Bridge, operator's house, electrical devices and appurtenances.

Overhead Crossing—Colorado—Sept. 22, by State Hy. Dept., Denver, overhead railroad crossing bridge with graded approaches, on Federal Aid 286 A, between Nunn and Dover, Weld Co. L. D. Blauvelt, State Office Bldg., engr.

Seawall—Portland, Ore.—See "Sewers."

Wharves, etc.—Canada—Sept. 29, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, Ont., reconstructing wharf at Haney, $4,800, and extending jetty in North Arm, Fraser River, $3,000, both in New Westminster Dist., B. C.; constructing wharf at Main-a-Deu, Cape Breton Co., N. S., $8,000; and extending breakwater at Burlington, Halton Co., Ont., $10,000.

Air Compressor—Esquimalt, B. C.—Sept. 24 (extended date), by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, Ont., air compressor for dry dock, here. Noted Sept. 3.

BIDS RECEIVED

Special Work, etc.—Brooklyn, N. Y.—Bd. Transportation, 49 Lafayette St., New York City, Sept. 11, special work in construction of Flushing Extension, here, from W. Wharton Jr. & Co., 30 Church St., New York City, $10,073; also installing tracks, etc., in Coney Island Yard, from J. H. Duncan, Inc., Grand Central Terminal, New York City, $7,924. Noted Sept. 3.

Ventilating, Fans, etc.—New York, N. Y.—New York and New Jersey Interstate Bridge & Tunnel Comn., Room 3004, Woolworth Bldg., Sept. 8, ventilating and transformer fans, motor, etc. in Holland Tunnel, Contr. 12, from B. F. Sturdevant Co., Reedville, Mass., $571,031 (unofficial). Noted Aug. 6.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Sept. 8, for Route 102, Sect. 6 under 8th Ave. and Central Park West, from F. L. Cranford, 149 Remsen St., Brooklyn, $5,890,000 (unofficial). Noted Aug. 27.

Oil Burning System—New York, N. Y.—W. W. Mills, comr. Plant & Structures, Municipal Bldg., Sept. 11, fuel oil storage and oil burning system for Willard Parker Hospital and Central Motor Repair Co., from Morse Dry Dock & Repair Co., 629 West 23rd St., $31,500. Noted Sept. 3.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Figueroa St. between Adams and Jefferson Sts., from M. H. Walker, 1800 West 12th St., $28,553.

CONTRACTS AWARDED

Arena — Holyoke, Mass. — Valley Arena, Inc., 336 Maple St., 1 story, 26 x 101 ft., brick, amusement arena, to Rivers & Young, Willimansett.

Heating and Ventilating—Northampton, Mass.—Dept. Mental Diseases, State House, Boston, heating and ventilating system in New Ward Building, at Northampton State Hospital, here, to F. C. McClean, 31 Sanford St., Springfield, $22,447. Noted Aug. 13.

Bulkhead, etc.—New York, N. Y.—Dept. Pub. Wks., Municipal Bldg., removing bulkhead, constructing foundations, bulkheads, dock slips, dredging and filling, etc., for Municipal Terminal Market, Exterior and East 151st Sts., Bronx Boro, to H. P. Converse & Co., 161 Devonshire St., Boston, Mass., $784,000. Noted Sept. 10.

Jetty and Sea Wall — Monmouth Beach, N. J.—Monmouth Co., Freehold, reconstructing rock jetty and sea wall, here, to T. Proctor, 212 North 5th Ave., Long Branch, $37,875.

Pumphouse, Culverts, etc.—Detroit, Mich.—Wayne Co. Road Comn., 1103 Real Estate Exch. Bldg., grade crossing on Plymouth Rd. near Pere Marquette Ry., incl. pumphouse, concrete culverts, etc., to Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., $50,285. Noted Sept. 3.

Foundation, etc. — Minneapolis, Minn. — See "Buildings—Commercial" under Proposed Work.

Swimming Pool—Kansas City, Mo.—See "Buildings—Educational, Religious."

Transmission Line—Oklahoma—City of Dacoma voted $25,000 bonds, 18 mi. transmission line from Dacoma to Alva, and distribution system in Dacoma. H. G. Olmstead, Oklahoma Bldg., Oklahoma City, engr.

Lighting System — Los Angeles, Calif. — Ornamental street lighting system, incl. paving, curbing, etc. on 1st St. from Glendale Blvd., to Vermont Ave., to Newberry Electric Corp., 726 South Olive St., $72,921; lighting system on Crenshaw Blvd., between Washington and Adams Sts., to A. C. Rice, 1957 Santee St., $11,088.

Coal Tipple, etc.—Coalman, Alta.—International Coal & Coke Co., steel tipple and air washery, to Manitoba Bridge & Iron Wks., Ltd., Logan Ave. W., Winnipeg, Man., about $250,000.

Materials

PROPOSED WORK

Surface Tar Dressing, N. J.—Mercer Co. soon takes bids 10,000 gal. surface tar dressing for various roads. H. F. Harris, Trenton, engr.

Cement — St. Paul, Minn. — State Hy. Dept., 1246 University Ave., plans to purchase cement to be used for trunk highway paving in 1926. $1,000,000 or more.

BIDS DESIRED

Wire — Wellington, New Zealand — Oct. 27, by Stores Manager, Post & Telegraph Dept., Government Bldg., 5 mi. copper wire, 1/18 vulcanized rubber insulated taped and braided, C. M. A. 600 megohm grade.

Wire—Wellington, New Zealand—Nov. 9, by Stores Manager, Post & Telegraph Dept., Government Bldg., 4 tons, 3-ply house-line, for cable hangers.

CONTRACTS AWARDED

Iron Castings—Boston, Mass.—Transit Dept., 1 Beacon St., about 64,000 lb. iron casting, f.o.b. cars 14 Cypher St., South Boston, to Davis Fdry. Co., Market St., Lawrence, $0.04 per lb.

CONSTRUCTION NEWS

Engineering News-Record, Sept. 24, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Toll bridge, Cairo, Ill., Black River Bridge Co. making preliminary plans for suspension or vertical lift, $10,000,000.

Office and theatre, St. Louis, Mo., local syndicate plans building, $5,000,000.

Club, Chicago, Ill., Midland Club receiving plans, $4,000,000-$4,500,000.

Improving pavement, Baltimore, Md., City plans improvement, $3,220,000.

Sanitary and storm sewers, Baltimore, Md., plans sewers, $3,000,000.

Viaduct, Jersey City, N. J., State Hy. Comn. plans viaduct, $2,250,000.

Tunnel approach, Jersey City, N. J., State Hy. Dept. plans tunnel approach, $2,000,000.

Theatre, New Orleans, La., Saenger Amusement Co. having plans prepared, $2,000,000.

Hotel, Knoxville, Tenn., Dooley-Gillespie Realty Co. had preliminary plans prepared, $1,500,000.

Bids Wanted On Big Jobs

Clubhouse, New York, N. Y., Natl. Town and Country Club soon takes bids, $6,000,000.

Hotel and Club, Chicago, Ill., Hall, Lawrence, Ribbel & Ratcliffe, archts., take bids about Jan. 1, $2,750,000.

Theatre and office, New York, N. Y., F. Ziegfeld and W. R. Hearst soon takes bids, $2,000,000.

Road, Louisiana, State Hy. Comn. takes bids within 30 or 40 days, $1,500,000.

Flood control, Brownsville Tex. Comrs. Cameron Co. takes bids Dec. or Jan., $1,500,000.

Lodge, Detroit, Mich., Detroit Elks Building Assoc. soon takes bids, $1,500,000.

Refinery, Woodriver, Ill., Standard Oil Co. of Indiana soon takes bids, $1,250,000.

Bank and office, Charlotte, N. C., Lockwood, Green & Co., engrs. soon takes bids, $1,000,000.

Large Contracts Let During Week

Subway, New York, N. Y., Bd. Transportation to F. L. Cranford, $5,889,649.

Hotel, Toledo, O., Commodore Perry Hotel Co. to H. J. Spieker, $2,500,000.

High School, Pawtucket, R. I., City School Comn. to Cruise Constr. Co., $1,025,000.

Theatre, office and store, Chicago, Ill., Asher Bros. to R. Sollitt & Sons, $1,000,000.

Theatre, New Haven, Conn., Yale University to Sperry & Treat Co., $1,000,000.

Apartment, New York, N. Y., F. F. Faiella will build, $1,000,000.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Asheville—Plans improving waterworks system, incl. large dam and impounding reservoir.

La., Welsh—Voted $60,000 bonds, waterworks, distribution system, etc. J. W. Armstrong, mayor. Noted Sept. 3.

Tenn., Carthage — Election soon $15,000 bonds, for waterworks and sewerage system. Engineer not selected.

Tenn., Dickson — Voted $25,000 bonds, for waterworks. Noted Sept. 3.

Ky., Madisonville — Election probably Nov. 3, $135,000 bonds, waterworks improvements and extensions. Noted Aug. 27.

Wis., Crandon — Plans extensions to waterworks. To exceed $15,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Minn., Cloquet—Making plans system of wells for water supply, also pumping equipment, etc. $15,000. J. A. Parks, city clk.

Minn., Red Wing—S. T. Irvine, city clk., plans 750 gal. motorized pump. $11,000.

Kan., Leonardville—Plans waterworks improvements and extensions. To exceed $15,000. Grant, Fulton & Letton, 525 South 13th St., Lincoln, Neb., engrs.

Mo., California — Voted $20,000 bonds, waterworks and distribution system. J. B. White, city clk.

Tex., Florence — Voted $31,000 bonds waterworks improvements. Address O. B. Atkinson, mayor. Noted Sept. 3.

Tex., Floresville — Voted $40,000 bonds, waterworks improvements. Address Mayor. Noted Aug. 6.

Okla., Bethany — Making plans waterworks improvements and extensions, incl. mains, pumping equipment, etc. $30,000. H. E. Munson & Co., Grain Exch. Bldg., Oklahoma City, engrs. Noted Aug. 6.

Okla., Enid—Voted $215,000 bonds, waterworks improvements, incl. mains, reservoir, pumping equipment, etc. R. T. Williams, city clk.

Okla., Frederick — Making plans 1 m.g. reservoir, deep wells, etc. $35,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Sept. 10.

Okla., Redford — Making plans waterworks improvements, incl. main extensions, etc. $40,000. Holway Eng. Co., New Wright Bldg. Tulsa, engrs.

Okla., Tuttle—Voted $38,600 bonds, new waterworks, incl. well, tank, pump, motor, valves, 12,000 ft. 4 in. and 2,400 ft. 6 in. c.i. mains, etc., in various streets. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Nev., Nevada City — See "Streets and Roads."

Wash., Prosser—Making plans and soon takes bids two 14 in. diam. wells and 30,000 gal. reservoir, etc. Bear & Cunningham, Spalding Bldg., Portland, Ore., engrs. $125,000 bonds voted. Noted Sept. 3.

Wash., Yakima—Election Oct. 14, $1,500,000 bonds for water system.

Ont., Port Colborne—Town Council plans 6 in. c.i. main in Sugarloaf St. from Catharine to Kilall St. $30,000. G. M. Hamilton, engr.

BIDS DESIRED

Mass., Lawrence—Oct. 5, by P. F. McNulty, dir. Eng. at office City Clerk, City Hall, waterworks pumping and boiler equipment, Contrs. 1 and 2. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Sept. 24.

N. Y., Huntington — Oct. 3, by Bd. Water Comrs. South Huntington Water Dist., New York Ave. and Melville Rd., for waterworks. C. E. Marshall & H. C. Stevens, 302 Fulton Ave., Hempstead, consult. engrs.; adv. E. N.-R. Sept. 24.

Tenn., Bluff City—Oct. 6, at office A. J. Geisler, mayor and city clk., 38,866 ft. 6 and 8 in. c.i. pipe, 4.75 tons c.i. specials, 8,050 ft. galvanized pipe, 1,200,000 gal. rein.-con. reservoir, etc. J. B. McCrary Eng. Corp., Citizens and Southern Bldg., Atlanta, Ga., engrs.

Tenn., Memphis—Sept. 30, by Bd. Water Comrs., 105-7 North 2nd St., 2,500 ft. 6 in., and 2,500 ft. 4 in. special up-set rotary pipe, six 4 in. and six 6 in. couplings. J. Shehan, genl. supt.

O., Columbus—Oct. 3, by Comrs. Franklin Co., 6,700 ft. c.i. mains in Sewer Dist. Mifflin 1, Contr. 64. E. G. Bradbury, co. sanitary engr.

O., Norwalk—City, W. P. Leighton, dir. Pub., taking bids 30 x 72 ft., brick filtration plant, incl. six 70 x 250 ft. rein.-con. tanks. $45,000. G. Scott, city engr.

Mich., Iron Mountain—Oct. 12, by Bd. Water Comrs., 3,400 lin.ft. 20 in. intake line, screen chamber, and 15 tons c.i. pipe, etc. To exceed $15,000. F. W. Hartmann, City Hall, engr. Noted June 11.

Ill., Litchfield — Sept. 29, by Bd. Local Impvts., 6 mi. 4 and 8 in. mains in various streets. Pearse, Greeley & Hanson, 10 North Michigan Ave., Chicago, engrs.

Minn., Alexandria — Sept. 28, by H. S. Campbell, city clk., 1,750 ft. 16 in. cast and riveted iron pipe line from municipal power plant into Lake Agnes. $15,000. C. L. Pillsbury Co., 2344 Nicollet Ave., Minneapolis, engrs.

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Sept. 18, mains, etc., in Arlington, Barkley, Castle Hill, Edison, Edson, Griswold, Hering, Hone, Hunter, Husson, Liebig, Lodovick, Miles, Paulding, Pilgrim, Randall, Rhinelander, Roberts, Seymour and Story Aves., etc., from Norton Eng. & Constr. Co., Inc., 510 West 149th St., $15,000. Noted Sept. 10.

Mich., Detroit — Bd. Water Comrs., 176 East Jefferson Ave., Sept. 15, 21,200 lin.ft. 36- to 48-in. steel water mains in Fenkell Ave., from J. A. Mercier Co., 616 Hammond Bldg., lock-bar $388,523, hammer weld $371,786; from Penstock Constr. Co., Sharon, Pa., fabricated $402,608; from B. Hayes, Inc., 907 Majestic Bldg., lap-riveted $362,122. Noted Aug. 27.

Mich., Detroit—Board Water Comrs., 176 East Jefferson Ave., 670 ft. 16 in. mains in Eight Mile Rd., 6,990 ft. 12-in. in Town Line and Eight Mile Rds., Schoenherr Rd. from Barbara to Norlina Aves. and Schoenherr Rd. from Eight Mile Rd. to Barbara Ave., 12,843 ft. 8 in. mains in Schoenherr Rd., Dresden and Joann Sts., State Fair, Annott, Brayton, Fairport, Alcoy and Hickory Aves., also 9,190 ft. 6 in. mains in Howe, Westphalia and Pelkey Aves., Bradford and Waltham Sts., from L. J. Clancy, 3137 Canton Ave., $15,541.

CONTRACTS AWARDED

La., Port Allen—Tank on tower, to Chicago Bridge & Iron Wks., Praetorian Bldg., Dallas, Tex., $4,000; laying pipe, building pumphouse, etc., to C. J. Montgomery, Koplan, $13,000; pipe, hydrants, etc., to Dixie Mill Supply Co., 901 Tchoupiloulas St., New Orleans, $26,000; 500 g.p.m. fire pump, to W. Costeneo, Inc., New Orleans, $1,001; 250 g.p.m. pump, to L. S. Valley & Co., Whitney Annex, New Orleans, $615. Grand total $44,616.

Mich., Detroit — Bd. Water Comrs., 176 East Jefferson Ave., gate valves and tapping sleeves, to Michigan Valve & Fdry. Co., 2631 Parkinson St., $39,603. Noted June 11.

Waterworks (Continued)

Minn., Jordan — J. C. Busch, city clk., cased well approximately 300 ft. deep and 12 in. diam. to McCarthy Well Co., Wabash Ave. and Eustis Sts., St. Paul, $2,675; and 100 gal. direct current pump and motor, to R. B. Whitacre & Co., 205 South Robert St., St. Paul, $2,544. Noted Aug. 27.

Mo., Willow Springs—Concrete reservoir, deep well and pumps, etc., to Sewell Well Co., 1627 Locust Blvd., St. Louis. Engrs. est. $15,000.

Tex., Greenville—City, M. C. Hale, secy., earth work sprinkling method for waterworks improvements, to Trinity Farm Constr. Co., Waxahachie, $94,390. Noted Sept. 10.

Tex., Greenville—Waterworks improvements, to Duck and Trout, Greenville, $24,973.

Okla., Newkirk—Waterworks extensions, incl. 30,000 ft. 19 in. Bell & Spigott c.i. pipe, 1,750,000 gal. rein.-con. reservoir, 1 horizontal and 2 vertical centrifugal pumps, etc., to L. A. Galleceiz Constr. Co., Enid, $101,995. Noted April 16.

Okla., Ponca City — Waterworks improvements, incl. additional mains, pumping equipment, etc., to Gallamore Constr. Co., Cushing, $36,485.

Sewers

PROPOSED WORK

Mass., Chelsea (br. of Boston) — Plans sewerage works in Bway. $25,000. Bd. Aldermen, engrs.

N. J., Egg Harbor—City Council plans storm water sewer in various streets. $40,000. Engineer not selected. F. Speyerer, councilman.

Md., Baltimore—Plans expending $3,000,000 during 1926, constructing sanitary and storm water sewers in various streets. B. L. Crozier, ch. engr.

N. C., Cullowhee — Cullowhee Normal School soon takes bids new sewerage system. $25,000. H. T. Hunter, pres.

Fla., Plant City — Voted $30,000 bonds extending and improving septic tanks. W. H. Durrance, city clk.

Tenn., Dickson—Voted $100,000 bonds, sewerage system. H. T. V. Miller, mayor. Noted Sept. 3.

O., Columbus—See "Streets and Roads."

Mich., Detroit—Dept. Pub. Wks., making plans Lonyo Road Pumping Station, incl. 25 x 40 ft. rein.-con. pump pit, centrifugal pumps, etc. P. A. Fellows, city engr. Noted March 27, 1924.

Mich., Detroit—Dept. Pub. Wks., making plans 4,569 ft. 6- to 10-ft. cylinder, brick or concrete sewer in tunnel, in Schoenherr Rd. Arm of Ashland Ave. Sewer, in Seven Mile Rd. and Schoenherr Rd. P. A. Fellows, city engr.

Ill., Barry — Made preliminary plans sewerage system. $70,000. Warren & Van Praag, 416 Milikin Bldg., Decatur, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rejected bids Sept. 15, for Camp Springs Public Relief Sewer, 4,125 ft. 12- to 18-in. vitr. clay, 1,445 ft. 36- to 48-in. brick or segmented block, 4,210 ft. 6 and 7 ft. concrete horseshoe, 2,100 ft. 9 ft. concrete or 8.5 ft. brick pipe, etc. $520,000. Will readvertise. W. W. Horner, 300 City Hall, engr. Noted Aug. 13.

Tex., Anson—Voted $51,000 bonds, sewer improvements, etc. Address Mayor. Noted Aug. 20.

Tex., El Campo — Voted $60,000 bonds, sanitary sewerage system and disposal plant. W. L. Ballen, mayor. Noted Sept. 10.

Okla., Bethany—Plans additional sewers in various streets. $25,000. H. E. Musson, & Co., Grain Exch. Bldg., Oklahoma City, engrs.

Ont., Toronto — East York Twp. plans 1,546 ft. 54 and 66 in. concrete trunk sewer in Everett Crescent, Wallington and Savoy Aves., etc. $230,125. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto — East York Twp., plans 4,000 ft. 48- to 54-in. concrete trunk sewer in Secord, Barrington, Lumsden, and Chisholm Aves. $122,406. G. R. Jack, 443 Sammon Ave., engr.

BIDS DESIRED

Conn., Manchester—Sept. 28, by 8th Dist. Utilities Bd. Comrs., Main and Hilliard Sts., 4 mi. 8- to 15-in. sewer and appurtenances in various streets. $60,000. C. H. Olmstead, 1176 Main St., Hartford, engr.

N. Y., New York — See "Streets and Roads

N. Y., Buffalo—Oct. 23, by Commissioner Pub. Wks., Municipal Bldg., rein.-con. drain in bed of Little Buffalo Creek and Commercial slip between west line of Main St. and Buffalo River, etc.; adv. E. N.-R. Sept. 24.

N. Y., Oakfield—Oct. 9, by Bd. Trustees, G. E. Hotchkiss, clk., complete sanitary sewerage system. J. P. Wells, 80 East Ave., Rochester, consult. engr.; adv. E. N.-R. Sept. 24.

Pa., Phila. — Sept. 30, by Dept. Pub. Wks., Bureau of Engineering, branch sewers in 75th St. between Buist and Wheeler Aves., and both sides of Elmwood Ave. between Island Rd. and 75th St.

O., Cleveland Heights (Warrensville P. O.)—Sept. 28, by City, storm relief sewer in Ivydale Rd. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Mich., Holland — Oct. 21, by Sewage Comn., constructing 7,700 ft. 18- to 36-in. vitr. or concrete sewers, sewage treatment plant, pumping station, etc. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. Sept. 24.

Ind., Evansville — Oct. 12 by Bd. Pub. Wks., for North Side Sewer. $760,000. J. R. Saunders, City Hall, engr.

Ind., Princeton—Sept. 28, by City, 21,080 ft. 8- to 12-in. vitr. clay and 536 ft. 8- to 12-in. c.i. sanitary sewers in various streets. E. E. Watts, Farmers Natl. Bank Bldg., consult. engr.; adv. E. N.-R. Sept. 24.

Ill., Chicago—Oct. 1, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., for North Side Intercepting Sewage, Contr. 7, 2,900 lin.ft. concrete sewer with 6 ft. internal width, 7½ ft. internal height, and 4,000 lin.ft. concrete sewer 4 ft. wide, 5 ft. high; also North Side Intercepting Sewage, Contr. 8, 11,200 ft. pipe.

Ill., Rockford—See "Streets and Roads."

Wis., Antigo—Oct. 1, by Bd. Pub. Wks., G. O. Palmiter, city clk., sewers in various streets, 13,806 ft. 10- to 42-in. in pipe 61 manholes and 63 catchbasins, etc. for Unit A, and 2,427 ft. 10- to 36-in. pipe, 11 manholes, etc. for Unit B. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs.

Ark., Van Buren — See "Streets and Roads."

BIDS RECEIVED

O., Berea — Village, Sept. 14, sanitary sewer, etc. in Bagley Rd. Dist., from W. B. Smith, 1350 West 98th St., Cleveland, $133,835. Noted Aug. 27.

O., Cleveland — Comrs. Cuyahoga Co., 6,700 ft. 8- to 54-in. (a) segmental (b) brick or (c) concrete sewer in. Impvt. 700, from Langahan Constr. Co., Marshall Bldg., Cleveland, (a) $103,691 (b) $105,877 (c) $103,691. Noted Sept. 3.

Mich., Detroit—Constructing 4,816 ft. 12- to 20-in. vitr. crock sewer in Lateral Sewer 4452, and 1,344 f.t 20 in. crock in Lateral Sewer 4474, from Waterway Constr. Co., Detroit, $11,935 and $5,555 respectively; 4,770 ft. 12- to 20-in. in Lateral Sewer 4455, and 22,305 ft. 12- to 24-in. in Lateral Sewer 4463, from Louwers & Sommerville, 8014 Grand River Ave., $12,320 and $49,720 respectively; 2,836 ft. 12- to 18-in. in Lateral Sewer 4465, from Western Constr. Co., 1208 Ford Bldg., $6,079; 3,205 ft. 12- to 24-in. in Lateral Sewer 4467, from Di-Pono & Decisso, 8203 Woodward Ave., $7,952.

Mich., Detroit — Dept. Pub. Wks., brick and concrete sewers in Fenkell Ave. Arm, East, Mill Rd. Sewer, also Gratiot Ave. Arm, Seven Mile Rd. Sewer, from W. Blanck & Co., 40 Seven Mile Rd. E., $101,957 and $104,339 respectively; State Fair Ave. Arm, Sect. 1 West, Connors Creek Sewer, from S. A. Healey, 6466 Epworth Blvd., $162,597; Van Dyke Ave. Arm, North, Seven Mile Rd. Sewer, from J. Rossi, 4148 Seneca Ave., $37,578; also force main for Lonyo Rd. pumping station in right-of-way Michigan Central R.R., from R. D. Baker, 1631 Elmhurst Ave., $40,596. Noted Sept. 10.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 3,805 ft. 8- to 24-in. vitr. clay sewers, etc. in Harlem Creek Dist. 23, from Riley Contg. Co., Buder Bldg., $9,512 also Sect. A, of North Baden Public Relief Sewer, 3,140 ft. rein.-con. horseshoe, 14 x 11 ft., 2.5 in. inside diam. etc., from Martin & Reilly, 5971 Maple Ave., $147,461. Noted July 16 and Aug. 13.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens boro, Queens Subway Bldg., sewers, etc., in Sanford Ave., to Peace Bros., 20 Main St., Flushing, $4,561; in Queens Blvd., to Muccini & Decker, 6102 18th Ave., Brooklyn, $16,909; Utopia Parkway,, to J. Gallo, 203 Division St., Brooklyn, $39,964. Grand total $61,434. Noted Sept. 17.

Pa., Elkins Park (Ind. br. Phila.) Bd. Comrs., H. C. Pike, secy., constructing main outfall sewer along Tacony Creek through Cheltenham Twp., etc., to A. L. Anderson, Altoona, $241,357, also in Mt. Carmel Ave., Glenside, to Buckley Co., 1317 South Juniper St., Phila., $207,675, work involves in about 7.37 mi. 12- to 33-in. pipe, 8 mi. 8 in., and 2 mi. 10 in. branch sewers in Wyncote and Glenside Sects., to Thomas Pietro, Morgantown, W. Va., $222,[illegible]. Grand total $671,073. Noted Aug. 6.

Pa., Phila. — Bd. Pub. Wks., Bureau of Engineering, to H. H. Pizagno, 907 South 15th St., branch sewers in Bath St. $7[illegible], 61st St. $9,891, and Stenton Ave. $5,870; to Sarco Contg. & Building Co., 1213 Snyder Ave., Erie St. $2,926, and Rawle St. $5[illegible]; to J. Moss, 1652 Wakeling St., Hegerman St., $3,653; to J. J. McHugh, 1617 Race St., Island Ave. $2,716, Jackson St. $602, 21st St. $9,295, and Unity St. $4,798; to McCool Constr. Co., 5033 Duffield St., Large St., $5,880; to E. F. Bennis, 825 East Washington Lane, Limekiln Turnpike, $8,692; to A. Mattia, 310 North 65th St., Pearce St., $5,244; to Clifton Constr. Co., 131 East Berkley Ave., Clifton Heights, in Randolph St., $6,416. Grand total $67,291. Noted Aug. 27.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, intercepting sewer along Tacony Creek from present terminus north of Ruscomb St. to Bingham St., to J. and R. Lombardi Co., 601 Lincoln Bldg., $153,443.

O., Cincinnati—City, 1,050 ft. 12- to 24-in. vitr. clay and 1,360 ft. 30- to 42-in. trunk sewer in Elkins, Alley, Court and Elm Sts., to J. B. McLane & Co., 337 York St., Newport, Ky., $34,142. Engrs. est. $40,250. Noted Sept. 9.

O., Cleveland—To Manson Co., 706 The Arcade, culvert in Crestland Rd. $11,888, to A. J. Galvin, Hunkin-Conkey Bldg., vitr. sewers in Dorchester Ave. $7,170, East Park Dr., $9,184, Edgerton Ave. $4,793, Fenwick Ave. $4,512, Hillgrove Ave. $7,051, La Salle Ave. $3,286, to Salem & George Bros., Erie Bldg., in East Park Dr. $9,973, Fenwick Ave., $5,778, Schenley Ave. $5,667, Tarrymore Ave. $5,269. Grand total $74,511. Noted Sept. 17.

Mich., Grand Rapids — Constructing Washington St.-Lake St. Drive Relief Sewer, to United Constr. Co., Grand Rapids, $53,200. Noted Aug. 20.

Wis., Madison—W. Winckler, city clk., for sewer, water mains, etc., in Fair Oakes Ave. Dist., to J. R. Cullinane, 618 West Dayton St. Engrs. est. $25,000.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., concrete and terra cotta main sewer in Mud Creek Low Level Dist., to E. R. Harding Co., 400 Janes Bldg., Racine, $97,256. Noted Aug. 27.

Wis., Milwaukee—Dept. Pub. Wks., to Wenzel & Henoch Constr. Co., 498 27th St., lateral sewers and water connections in 18th St. $2,367, 4th Ave. between Oklahoma and Morgan Aves. $5,546, 10th Ave. between Oklahoma and Morgan Aves. $7,854, and 3rd Ave. between Oklahoma Ave. and point south $6,396; to Holton & Goggins Co., 345 27th Ave., in 9th Ave. between Oklahoma and Ohio Aves., $2,833; and to Kehrein Bros., 1304 11th St., 19th Ave. between Lake St. and Fiebrantz Ave., $1,863. Grand total $26,859.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., rein.-con. and brick testing and control station, also track hopper and acidification control house, to Tallmadge Constr. Co., 214 Mason St., $28,600 and $10,800 respectively. Noted Sept. 10.

Neb., Lincoln—See "Streets and Roads."

Neb., Omaha—H. Beal, city engr., City Hall, Storm Sewer 848, in Grace St. between 15th and 22nd Sts., to H. J. Peterson c/o J. Jensen, 402 Federal Reserve Bank Bldg., $124,029. Noted Aug. 27.

Tex., Dallas—City, portion of White Rock intercepting sewers, to Jones Contg. Co., 1107 Merchantile Bank Bldg., $118,370. Noted Sept. 10.

Tex., San Angelo — W. D. Holcomb, mayor, sewerage treatment plant, also outfall sewer, 3 siphon river crossings, 4 connecting lateral sewers 4.83 mi. long, 10.03 mi. mains and lateral sewers north of North Conches River and 10 mi. mains and lateral sewers south and west of North Conches River, to Municipal Excavator Co., 200 East Main St., Oklahoma City, Okla. $74,000 and $177,733 respectively. Noted Sept. 17.

Ont., Toronto—Sewers in Lane 1st north of Bloor St., to P. Mohan, 9 Arundel Ave., $1,525; York St., to W. R. Worthington

Sewers (Continued)

Constr. Co., 57 Lascelles Blvd., $7,914; Cosburn Ave. Trunk Sewer Sect. B, C, E to Dept. Pub. Wks., (by day labor) $114,-303, and Sect. C and D of same, to L. Acri, 102 MarRham St., $2,574. Grand total $126,316.

Waste Disposal

PROPOSED WORK

Okla., Enid — Voted $25,000 bonds for incinerator. R. T. Williams, city clk.

BIDS RECEIVED

Tex., Houston — City, O. F. Holcombe, mayor, two 40 ton incinerators, from Superior Garbage Incinerator Co., Praetorian Bldg., Dallas, $74,910. Engrs. est. $80,000. Noted Aug. 27.

Bridges

PROPOSED WORK

N. J., Jersey City — State Hy. Comn., Trenton, plans viaduct on Sect. 1, Route 1 Extension, here, 3,000 tons structural steel, 12,000 cu.yd. concrete, and 185,000 lin.ft. timber piling, etc. $2,250,000. F. Davis, 921 Bergen Ave., Jersey City, city engr.

O., Massillon—Plans viaduct across railroad tracks, on West Tremont St. $150,000. M. P. Kerchhofer, mayor.

Ind., Evansville — Vanderburgh Co., making plans bridge over Pigeon Creek on Franklin Ave. $160,000.

Ill., Cairo — Black River Bridge Co., Stuttgart, Ark., making preliminary plans suspension of vertical lift concrete and steel bridges over Mississippi River, connecting city with Mississippi Co., Mo., and one over Ohio River, connecting city with Ballard Co., Ky., above to be operated as toll bridges; also single Y bridge across both rivers with single terminal point, here. $10,000,000. Private plans.

Mont., Billings — Yellowstone Co. and Northern Pacific R.R. Co., c/o H. E. Stevens, ch. engr., Railway Bldg., St. Paul, Minn., plan concrete and steel bridge with central pier, etc. over railroad tracks, on Laurel Rd., west of here. $60,000.

Mo., St. Louis—City, c/o Bd. Pub. Serv., soon takes bids 3 span, 135 ft. rein.-con. bridge, etc. over River Des Peres, at Southwest Ave. $36,000. L. R. Bowen, 301 City Hall, engr. Noted Feb. 19.

Tex., Carthage — See "Streets and Roads."

Oklahoma — Ellis Co. (Arnett) plans 9 bridges on Abo Pass and Uncle Sam Highways between Arnett and Vici. $350,000. Address County Commissioners.

Ont., London—Making plans cement and steel bridge. $100,000. W. P. Near, city engr.

BIDS DESIRED

Vt., Westminster — Sept. 25, by Dept. Highways, State House, Montpelier, one 130 ft. rein.-con. bridge and approaches, incl. 158,000 lb. reinforcing, etc., here. S. E. Bates, comr.

Mass., Northfield—Sept. 26, by Bd. Selectmen, reconstructing Bennetts Meadow Bridge, concrete abutments and wood block paving. $25,000. Private plans.

New York—Oct. 13, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, bridge over Secor Lane, Pelham Manor, and one over Colonial Ave. Pelham. J. Downer, ch. engr.; adv. E. N. R. Sept. 24.

Pa., Mercer—Oct. 12, by Commissioners Mercer Co., constructing Bridge 725, West Salem Twp.; Bridges 2321, 2327 and 2302, Hickory Twp.; Bridges 1702 and 1704 Sandy Lake Twp.; Bridge 2208, Worth Twp., and Bridge 803, Greenville-Hempfield Twp. F. P. Graham, Grove City, co. engr.; adv. E. N.-R. Sept. 24.

Pa., Phila—Sept. 30, by Dept. Pub. Wks., Bureau of Engineering, constructing 2 span, 102 ft. steel encased bridge (replacing timber bridge) over Cobbs Creek Parkway, at 65th St.

Pa., Pittsburgh—Sept. 30, at office J. P. Moore, controller Allegheny Co., Dept. Pub. Wks., superstructure for Bridge 9 over Monongahela River, here; also borings at site of proposed Bridge 5, at McKeesport and Duquesne. Noted June 18.

Maryland — Sept. 29, by State Roads Comn., Baltimore, battery of six 5 ft. diam. corrugated metal pipes encased in concrete, on road from Sligo to Burnt Mills, over Sligo Branch. J. N. Mackall, chn.; adv. E. N.-R. Sept. 24.

South Carolina—See "Streets and Roads."

Miss., Gulfport—Oct. 6, by Bd. Supervs. Harrison Co., 3 creosoted pile bridges on Saucier-Ramsey Springs Rd., Project 4, Beat 5. Owner furnishes materials. W. S. Hawkins, Gulfport, consult. engr.

La., Bastrop — Oct. 5, by Police Jury Morehouse Parish, 500 ft. timber bridge on pile bents, through the Tchemanihaut Bottom. J. L. White, parish engr.

Kansas—Oct. 16, by Clerk Lyon Co. (Emporia) and Coffee Co. (Burlington), two 140 ft. spans steel or through arch bridge between above counties. W. S. Ruggles, Emporia, co. engr.

Missouri—Sept. 25, by State Hy. Dept., Jefferson City, two 12 ft. rein.-con. slab spans, etc., over stream, in Grundy Co.; three 20 ft. rein.-con. slab spans, etc., over branch, three 24 ft. rein.-con. slab spans, etc., over West Fork, both in Barton Co.; three 24 ft. rein.-con. slab spans, etc., over St. Louis & Hannibal R.R. tracks, three 35 ft. rein.-con. deck girder spans, etc., over Plum Creek, two 80 ft. steel truss and five 20 ft. rein.-con. slab spans, etc., over Spencer Creek, all foregoing in Ralls Co.; three 40' ft. rein.-con. deck girder spans, etc., over Goose Creek, Cape Girardeau Co.; one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc., over Town Branch, and one 45 ft. rein.-con. deck girder span, etc., over Thompson Creek, both in Gentry Co.; one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc., over Missouri Pacific R.R. tracks, Jefferson Co.; and one 70 ft. steel truss span, etc., over Sons Creek, Dade Co. B. H. Piepmeier, highway engr. Noted Sept. 17.

Ark., Egypt—Sept. 29, by State Hy. Dept., Little Rock, 196 ft. steel and timber bridge over Cache River, on Jonesboro-Egypt Rd., incl. 15,000 lb. structural steel, 15,872 ft. untreated timber, 16,830 ft. treated and 1,760 ft. untreated piling, etc., near here. R. C. Limerick, highway engr.

Tex., Sierra Blanca — Oct. 6, by F. V. Lanham, chn. State Hy. Comn., Austin, 14 span 280 ft. rein.-con. girder or rein.-con. pile trestle bridge on State Highway 1, Hudspeth Co., H. P. Henning, Alpine, div. engr. Noted Aug. 20.

California—Oct. 5, by State Hy. Comn., Sacramento, one 34 ft. and two 40 ft. span rein.-con. girder bridge, 30 ft. across Willow Brook, about 2 mi. north of Petaluma, Sonoma Co.; and rein.-con. girder bridge, 21 ft. five 27 ft. span across Walker Creek, about 1 mi. east of Willows, Glenn Co. R. M. Morton, Forum Bldg., Sacramento, highway engr. Noted July 30.

BIDS RECEIVED

Connecticut — J. A. MacDonald, comr. State Hy. Dept., Hartford, from Holbrook Co., Westbrook, 58 ft. span concrete bridge over Niantic River, in East Lyme and Waterford $6,792, 26 ft. span concrete bridge over Five Mile River, in Killingly $5,128, superstructure of Shepaug River Bridge, in Washington $17,197, 26 ft. span concrete bridge over Niantic River, in East Lyme $13,031, 24 span concrete bridge over Oyster River, on Ocean Ave., in Milford and West Haven $14,237, 24 ft. span concrete bridge over Cove River, in West Haven $19,628; from A. Mascetti, Torrington, concrete bridge over Shepaug River, in Washington $12,880.

N. J., Jamesburg—Middlesex Co. (New Brunswick) concrete bridge over Manalapan Brook, here, from Brann & Stewart, Commercial Trust Bldg., Phila., Pa., $31,348.

Virginia—See "Streets and Roads."

W. Va., Mannington — City, 2 rein.-con. bridges, one across Pyles Fork Creek, and other across Buffalo Creek, from Shaid Contg. Co., Elkins, $29,000. Noted Aug. 27.

Louisiana—See "Streets and Roads."

Texas—See "Streets and Roads."

Texas — F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging and paving 1.15 mi. State Highway 2, Federal Aid Project 492, 18 ft., Tarrant Co., from General Constr. Co., 403 Cotton Exch. Bldg., Fort Worth, 2 in. Uvalde rock asphalt $34,-997, 1½ in. Uvalde rock asphalt $32,218, from Purvis & Lowery, Ft. Worth 2 in. Amiesite $34,921, 2 in. Topeka $32,015, grading and bridging 6.15 mi. State Highway 6, Federal Aid Project 471-C, 26 ft., Grimes Co., from J. F. Buckner, 705 West 34th St., Austin, $70,164, engrs. est. $102,-750; paving 72,550 sq.yd. State Highway 2, Federal Aid Project 300 B and C, Tarrant Co., from Tibbetts Constr. Co., 2 in. amiesite $94,315, 2 in. Modified Topeka $83,432. Noted Sept. 3.

Tex., Jourdanton — Atascosa Co., 1 steel span, 506 ft. over pass and concrete bridge on State Highway 9, across Atascosa River, 106,230 lb. structural steel and 175,098 lb. reinforcing, etc., from Armstrong & Armstrong, P. O. Box 298, El Paso, $55,262. Engrs. est. $60,500. Noted Sept. 10.

Tex., Jourdanton — See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., Madisonville — See "Streets and Roads."

CONTRACTS AWARDED

R. I., Providence—Water Supply Bd., City Hall, Hartford Pike Bridge, three 13 ft. spans, rein.-con., in North Scituate, to Briggs Eng. & Constr. Co., Union Trust Bldg., $16,387. Noted Aug. 27.

Pennsylvania—G. T. Wadas, controller Delaware Co., Media, constructing Bridge 90 known as Shoemakerville Bridge over Ridley Creek between City of Chester and Nather Twp., to Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, Md., $175,000. Noted Aug. 27.

Pa., Chester — G. T. Wadas, controller Delaware Co., constructing Bridge 185 known as West 9th St. Bridge over Chester River, here, to Mundy Paving & Constr. Co., 226 South Warnock St., Phila., $166,-000. Noted Aug. 27.

Pa., Phila.—Pub. Wks., Bureau of Engineering, 76 ft. steel encased concrete bridge, 70 ft., to carry 2nd St. over Luzerne St., to Brown-King Co., Merchants Trust Bldg., $77,973. Noted Sept. 17.

Georgia—See "Streets and Roads."

Alabama—State Hy. Comn., Montgomery, constructing several bridges on road between Wedgeworth and Five Mile Creek, Hale Co., to Nixon & Phillips, Montgomery, $47,427.

Miss., Gulfport—See "Streets and Roads."

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, constructing timber bridge on Vinton-Orange Highway, Federal Aid Project 43-D, Unit 4, Calcasieu Parish, to W. H. Smith, Jr., Alexandria, $165,414; also Lake Lafourche Bridge, State Project 93, Morehouse and Richland Parishes, to Newsom Bros., Goss, $15,968. Noted Aug. 20.

O., Dayton—G. F. Baker, dir. Pub. Serv., two 100 ft., rein.-con. arch span bridges over Wolf Creek, on Sunrise Ave., to Price Bros. Co., Davies Bldg., $149,838. Engrs. est. $225,000. Noted Aug. 27.

Michigan — State Hy. Comn., at office Comrs. St. Clair Co., Port Huron, Bridge 771,703, 90 ft. rein.-con. span, to Price Bros., Lansing, $25,861. Noted Aug. 27.

Wisconsin — State Hy. Dept., Madison, culverts and bridges on Trego-Minong Rd., Federal Aid Project 377-C, Washburn Co., to H. R. Roush, Webster, $22,736; clearing and grubbing above road, to V. Nelson, Superior, $9,615.

Missouri—State Hy. Dept., Jefferson City, to Gaines Bros., Fairland, Okla., two 8 ft. and four 10 ft. rein.-con. slab spans, etc., over creeks $7,051, two 14 ft. and three 20 ft. rein.-con. slab spans, etc., over streams $7,710, all in Franklin Co.; to Smith Bros., Inc., Dallas, Tex., two 12 ft. rein.-con. slab spans, etc., over stream, Saline Co., $2,323; to Pope Constr. Co., Jefferson City, five 20 ft. rein.-con. slab spans, etc., over Luetre River overflow $14,481, one 100 ft. steel truss and seven 20 ft. rein.-con. slab spans, etc., over Luetre River $24,118, both in Montgomery Co.; to A. A. Davis & E. J. Wells, Oklahoma City, Okla., three 16 ft. rein.-con. slab spans, etc., over stream $4,767, one 45 ft. rein.-con. deck girder span, etc., over Blue Ridge Blvd. $13,080, and one 80 ft. steel truss span, etc., over Little Blue River $24,392, all foregoing in Jackson Co.; to A. A. Davis & Co. and Yates Constr. Co., Oklahoma City, Okla., four 20 ft. rein.-con. spans, etc., over Bear Creek overflow $60,790, one 30 ft. rein.-con. deck girder span, etc., over stream $4,902, and one 80 ft. steel truss span, etc., over Clear Fork $11,983, to A. A. Davis & Co., Oklahoma City, Okla., one 60 ft. steel truss span, etc., over Bear Creek, $10,182, all foregoing in Johnson Co.; to Zeigler Bros., Junction City, Kan., one 25 ft. and four 20 ft. rein.-con. slab spans, etc., over Atchison, Topeka & Santa Fe R.R. tracks, Ray Co., $9,013; to O. H. Schmidt, St. Joseph, one 30 ft. rein.-con. deck girder span, etc., over Atchison, Topeka & Santa Fe R.R. tracks, Clinton Co., $6,576; to Cook & Waddell, Ottawa, Kan., three 20 ft. rein.-con. slab spans, etc., over Puzzle Creek, Chariton Co., $4,935; to R. L. Williams, Charleston, three 25 ft. I-beam spans, etc., over Big Lake D. D., Mississippi Co., $6,200; to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, Ia., one 45 ft., one 40 ft. and one 25 ft. rein.-con. deck girder spans, etc., over Muddy Creek, $6,971, and five 20 ft. rein.-con. slab spans, etc., over Third Fork Creek, $10,313, both in Buchanan Co., to R. P. Harper Constr. Co., Chillicothe, eight 20 ft. rein.-con. slab spans, etc., over overflow of Chariton River $1,555, one 120 ft. steel truss and six 35 ft. I-beam spans, etc., over Chariton River D. D. $32,163, also one 125 ft. steel truss and three 35 ft. I-beam spans, etc., over Chariton River $15,363, all foregoing in Chariton Co.; and to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, Ia., one 140 ft. steel truss span, etc., over Barbouese River, Franklin Co., $37,005. Grand total $254,562. Noted Sept. 10.

Bridges (Continued)

Tex., Memphis—See "Streets and Roads."

Washington—State Hy. Dept., Olympia, 2,840 ft. viaduct and bridge over Puyallup River on Pacific Highway, 16,000 cu.yd. excav., 15,200 cu.yd. concrete, 1,450,000 lbs. reinforcing, 3,575,000 lbs. structural steel, 123,000 lin.ft. piling, etc., to Grant Smith & Co., Henry Bldg., Seattle, $664,910.

Dam

PROPOSED WORK

N. C., Asheville—See "Waterworks."

Railways

PROPOSED WORK

Illinois — Wabash R.R. Co., Railway Exch., St. Louis, Mo., soon takes bids new yards, incl. 50,000 cu.yd. excav., etc., in Decatur. R. H. Howard, ch. engr.

Ontario—City of Ft. Williams plans electrifying and improving 5 mi. Mount McKay and Kakabeka Falls Railway $28,000. C. B. Symmes, City Hall, engr.

CONTRACTS AWARDED

Pennsylvania — Pennsylvania R.R. Co., Broad St. Sta., Phila., general contract 30 ft. widening Panhandle Div. tunnel under 7th Ave., also retaining wall, in Pittsburgh, to T. J. Foley Co., 3rd Ave., Pittsburgh.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ill., Dillsburg — Dillsburg Special Dist. making preliminary plans farm drain tile drainage system. $20,000. Danely & Smeltzer, Flat Iron Bldg., Urbana, engrs.

Wis., Stoughton—Dane Co. Drainage Bd., N. Holman, Madison, secy., Madison, making plans approximately 60,000 cu.yd. earth excav., and 2,600 ft. 10 in. drain tile. $25,000. P. H. Hintze, Court House, Madi-

Calif., Tracy — Directors Banta-Carbona Irrigation Dist., plans election $125,000 bonds, completing irrigation system. Noted Aug. 7.

BIDS DESIRED

Neb., Hershey—Sept. 29, by D. D. 1, Lincoln Co. at office H. R. Elliott, drain comr., hauling tile, excavating, laying and backfilling 19,354 ft. 10- to 24-in. tile in Drain 1, and 5,170 ft. 12- to 18-in. tile in Drain 2, both Schedule 4. Noted Jan. 1.

BIDS RECEIVED

Mass., Scituate—Dept. Pub. Wks., Boston, dredging about 20,000 cu.yd. material from Scituate Harbor to depth 6 ft. mean low water, here, from Bay State Dredging Co., 65 Condor St., East Boston, $21,220. Engrs. est. $25,000. Noted March 5.

CONTRACTS AWARDED

Miss., Clarksdale—Oxbow D. D., 55,000 cu.yd. excav., to Morrison & Traylor, Coffeeville.

Miss., Decson—D. D. 14, 6½ mi. drainage canals, etc., 100,378 cu.yd. excav., to G. Frank, Shelby.

Ill., Champaign—Harwood & Kerr D. D., 14,600 cu.yd. excav., to R. C. Glick, Fort Dodge, Ia.; 42,767 ft. 10- to 27-in. concrete tile, to Indiana Lock Joint Pipe Co., Lafayette, Ind., and laying same to Anderson & Co., Hector, Minn.

B. C., Vancouver—David Spencer, Ltd., Hastings and Richards Sts., excavation and foundation work 8 story department store, to Northern Constr. Co., 736 Granville St., Vancouver, $117,122. Noted July 2 under "Buildings—Commercial."

Streets and Roads

PROPOSED WORK

Mass., Dorchester (Boston P. O.) — City Council, City Hall, Boston appropriated $225,000, improving Morton St. through Dorchester and Roxbury. J. A. Rourke, comr.

New Jersey — State Hy. Dept. Trenton, plans re-alignment and concrete paving 8,000 ft. Highway Route 9, 20 ft., concrete at Clinton, Hunterdon Co. (Flemington); cut off through Keyport, Monmouth Co. (Freehold). W. G. Sloan, highway engr.

N. J., Jersey City—State Hy. Dept., Trenton, plans another section of Route 1 for approach to Hudson Tunnel from Jersey Ave. over Erie R.R. tracks. $2,000,000. F. Lavis, Trust Bldg., Bergen and Sip Aves., engr.

N. J., Trenton — Plans improving Cadwalader Dr., Buckingham Ave., and Boulevard. $59,000. J. E. English, City Hall, engr.

Pennsylvania—State Hy. Dept., Harrisburg, received no bids Sept. 15, paving and repaving certain alleys in Dist. 1, G-1, Dist. 5, G-4 and G-5; rejected bids asphalt paving Torresdale St.; and withdrew bids redressed granite block paving 15th and 16th Sts.

Md., Baltimore—Plans expending $2,000,000 during 1926, improving pavements and $1,220,000 to repair and rebuild worn out roads. B. L. Crozier, chief engr.

N. C., Goldsboro — Making plans paving various streets to connect highway entering city. $30,000 bonds sold. Noted Aug. 6.

N. C., Zebulon — Making plans grading, and topeka paving 8,000 sq.yd. various streets. $25,000. R. D. Gladding, Wilson, engr.

Fla., Largo — Voted $60,000 bonds improving various streets. J. C. English, city clk.

Fla., Zolfo Springs — Voted $100,000 bonds, paving various streets.

Miss., Fulton—Itawamba Co. voted $40,000 bonds, gravel surfacing Jackson Highway, etc.

Miss., Water Valley — Yalabousha Co. voted $35,000 bonds, gravel surfacing Jeff Davis Highway from Panola to Grenada Counties.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, takes bids within 30 or 40 days constructing Lake shore link of Hammond-New Orleans Highway. $1,500,000. W. B. Roberts, highway engr.

Tenn., Nashville—Bd. Pub. Wks. plans oiling and gravel surfacing Demonbrenn St. from 12th to 16th Aves., Green St. from Wharf Ave. to Keith St., North 2nd St. from Cleveland St. to Legion Lane, and Joseph Ave. from Cleveland St. to Legion Lane. W. W. Southgate, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Election Nov. 3, $250,000 bonds, paving various roads; also $75,000 bonds paving Warrensville-Center Rd. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Columbus — Making plans, grading, laying necessary water services and sewer connections and paving with (a) asphalt or (b) brick 1,338 ft. Warren Ave., 26 ft. (a) $29,819 (b) $34,279, 1,620 ft. Racine Ave., 24 ft. (a) $31,374 (b) $36,351, also 1,860 ft. 8 in. sewer in alley south Sullivant Ave., $3,741. R. H. Simpson, city engr.

O., East Cleveland (Cleveland P. O.) — Election Nov. 3, $110,000 bonds paving various streets. T. M. Garnett, City Hall, engr.

Mich., Detroit—Plans grading, curbing, guttering and 3½ in. sheet asphalt on 8 in. concrete paving 5,259 sq.yd. Northlawn St., Sect. 1, 60 ft.; 8,302 sq.yd. Ferndale Ave., 46 ft.; 6,049 sq.yd. Washburn Ave., 3,632 sq.yd. Lawton Ave., 3,263 sq.yd. Monte Vista Ave., 4,219 sq.yd. Northlawn Ave., Sect. 2, 3,099 sq.yd. Prairie Ave., all 30 ft.; 2,401 sq.yd. Doyle Ave., 3,055 sq.yd. Caely Ave., 9,852 sq.yd. Sylvester Ave., 4,285 sq.yd. Duane Ave., 3,800 sq.yd. Collingwood Ave., 611 sq.yd. Trowbridge Ave., all 28 ft., and 1,515 sq.yd. Radcliff Ave., 26 ft. P. A. Fellows, city engr.

Mich., Detroit—Plans grading and 6 in. concrete paving 715 sq.yd. North and South Alley between Dubois, Chene, Wullis, and Canfield Sts., $1,720; 324 sq.yd. above alley between Hamilton, 5th, Charlotta and Mercy Aves., $2,070; 1,250 sq.yd. above alley between 4th, Wabash, Butternut and Ash Sts., $3,020; 1,000 sq.yd. above alley between Monica, Stoepel, Bonaparte, and Southfield Aves., $2,400; 403 sq.yd. above alley between Holcolm, Belvidere, Louis and Charlevoix Aves., $970; 1,200 sq.yd. above alley, northerly from Pitt St. to alley between Wendell, Pearl, Pitt, and Woodmere Aves., $3,070; 324 sq.yd. East and West Alley, $780; 1,755 sq.yd. T Alley between Duboise, Chene, Piquette and Adele Sts., $4,220; 2,300 sq.yd. T Alley between Martindale, Otsego, Joy and Maydale Aves., $5,544; 727 sq.yd. alleys between McDougall, Elmwood Forest, and Hancock Aves., $1,870; 1,025 sq.yd. East and West alley between Beaubien, Kingsley Court, Melbourn and Euclid Aves., $2,370. P. A. Fellows, city engr.

Mich., Highland Park (Detroit P. O.) — Making plans widening, concrete and asphalt paving Woodward, 2nd, Hamilton, Victor, Manchester, Joslyn and Cardoni Aves. $500,000 bonds voted. L. C. Whitsit, Gerald Ave., city engr.

Ia., Des Moines—Soon takes bids sheet asphalt, sheet asphalt Willite process, asphaltic concrete, asphaltic concrete Willite process, asbestophalt, Warrenite asbestos, bitulithic, Johnson bitulithic or brick surfacing 1,140 sq.yd. Tiffin St., 1,200 sq.yd. 3rd St., 16,762 sq.yd. Forest St., 1,478 sq.yd. 15th Pl., 4,661 sq.yd. Searle St., 10,711 sq.yd. Urbandale St., 1,752 sq.yd. Madison St., curbing 15,770 ft. Des Moines St., 6,635 ft. Maple St., 2,983 ft. 38th St., and 4,7[illegible] ft. Hutton St. K. C. Kastberg, city engr.

Ia., Shenandoah — Making preliminary plans curbing, brick, rein.-con., vibrolithic, Johnson concrete or asphalt resurfacing 8,000 sq.yd. Elm St. R. L. Keltner, City Hall, engr.

Ia., Sigourney—Making preliminary plans grading, curbing and concrete surfacing various streets. $28,000. Brown & Cook, Ottumwa, engrs.

Kan., Erie — Neosho Co. making preliminary plans improving 1.67 mi. Federal Aid Project 308-B, and 2.656 mi. King of Trail Rd., 28 ft. C. L. Donald, Erie, engr.

Mo., Caruthersville — Election Sept. 24, $150,000 bonds, concrete paving road from here west to State Rd. 9, Little Prairie Rd. Dist.

Mo., Springfield — Soon takes bids concrete paving 7,522 sq.yd. Summit Ave. C. W. Culler, City Hall, engr.

Mo., Westplains — Making preliminary plans grading, curbing, paving, etc. 15,000 sq.yd. various streets.

Tex., Amarillo — Election soon $35,000 bonds, paving about 6 blocks North Buchanan St., 45 ft. H. B. Jones, Amarillo, engr.

Tex., Boston — Bowie Co. making plans gravel surfacing 6.92 mi. Simms Rd., State Highway 98, from Boston to point 3 mi. north of Simms, 18 ft. $40,000. F. E. Hess, Bowie, engr.

Tex., Carthage—Panola Co. making plans grading and bridging 5.87 mi. Gravel Bluff Rd. from Carthage to Irons Bayou, State Highway 8, incl. bridges over 20 ft. span $84,200; also grading, bridging and 16 in. iron ore gravel surfacing 5.21 mi. African Ridge Rd. State Highway 64, 16 ft. $79,500. D. E. Martin, Carthage, engr.

Tex., Floydada — Election soon $30,000 bonds gravel or asphalt surfacing about 9 blocks various business streets. B. Bedford, secy. owner.

Tex., Grand Prairie—Making plans 6 in. concrete paving 4 blocks Main St. $25,000. G. H. Turner, mayor. Engineer not announced.

Tex., Hondo—Medina Co. takes bids after Oct. 5, 1 in. rock asphalt topping about 2½ mi. State Highway 3-E. $25,000. Walton & Arneson, Gunter Bldg., San Antonio, engr.

Tex., La Grange — Fayette Co. election Oct. 3, $25,000 bonds, improving roads in Rural Dist. 4. State appropriated $25,000 toward cost. Address County Judge.

Tex., Nordheim — DeWitt Co. (Cuero) election soon $90,000 or $100,000 bonds hard-surfacing 7 mi. highway in Nordheim Dist. Address S. Kulawik, Cuero, co. judge.

Tex., Raymondville—Willacy Co. election soon $200,000 or more bonds, hardsurfacing about 18 mi. various roads. W. H. Mead, Raymondville, judge.

Oklahoma — State Hy. Dept., Oklahoma City, plans hardsurfacing 27 mi. Albert Pike Highway between Stillwater and Yale, 18 ft. $500,000. J. M. Page, highway engr.

Okla., Ada — Plans grading and brick paving 7 blocks Belmont and 20th Sts. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Anadarko — Making preliminary plans grading, curbing and sheet asphalt surfacing 8,200 sq.yd. Central Blvd., 40 ft. $40,000. A. Allen, city clk. Engineer not selected.

Okla., Blair—Making plans concrete paving various streets in business district. $125,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Garber—Plans grading and concrete paving 9 blocks Cherokee, Osage and Ponca Sts., 26-50 ft. $38,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, Okla., engrs. Noted Sept. 10.

Okla., Okemah—Plans grading and concrete paving 9,700 sq.yd. North 6th St. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Tecumseh — Pottawatomie Co. voted $750,000 bonds, grading and paving 60 mi. various roads. J. M. Page, Capitol, Oklahoma City, highway engr.

Nev., Nevada City — Election Oct. 5, to vote $63,000 bonds, $48,000 for improving streets; $5,000 for waterworks; and $10,000 for swimming pool.

Calif., San Diego—Common Council plans improving Belvedere St., Neptune Pl., etc., 88,653 sq.ft. concrete paving, 2,093 cu.yd.

Streets and Roads (Continued)

excav., 2,863 ft. curbing, 11,784 sq.ft. sidewalk, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving Pearl St., Girard Ave., etc. 220,418 sq.ft. 6 in. concrete paving, 18,359 sq.ft. 5 in. concrete paving, 12,664 sq.ft. concrete sidewalk, 2,700 lin.ft. concrete curbing, etc.; also Front, Upas, and Thorn Sts., 122,192 sq.ft. 1½ in. asphalt on 4 in. concrete paving, 591 cu.yd. excav., 6,612 cu.yd. embankment, 1,437 ft. curbing, 5,902 sq.ft. concrete sidewalk, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving 21st St. and Julian Ave., 216,627 sq.ft. 1½ in. Warrenite bitulithic on 2½ in. concrete paving, 5,008 sq.ft. concrete sidewalk, 1,122 ft. curbing, 1,500 sq.ft. 1½ in. Warrenite bitulithic top, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving 15th St., 42,817 sq.ft. 5 in. concrete paving, 172,491 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving, 7,875 sq.ft. concrete sidewalk, 1,856 sq.ft. curbing, etc. F. A. Rhodes, city engr.

Calif., San Luis Obispo — Coast Road Impvt. Dist. voted $225,000 bonds, asphaltic concrete paving 17.18 mi. road from Toro Creek to Cambria. Noted Aug. 6.

Ont., Hamilton—Plans concrete paving various streets. $50,000. W. L. McFaul, city engr.

Ont., Midland — Plans concrete paving King St. $143,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—York Twp. plans asphalt paving ¼ mi. Eglington Ave. from Oakwood to Dufferin Sts., $34,000; and concrete sidewalks on Glenholme Blvd. and Ashburton Ave., $1,400. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

Mass., Boston — Sept. 30, by Dept. Pub. Wks., sheet asphalt or bitulithic paving in Kirkwood St., Brighton; also Oct. 1, in Montclair Ave., in West Roxbury. $25,000. J. A. Rourke, comr.

Mass., Dorchester (Boston P. O.)—Sept. 18, by Dept. Pub. Wks., Boston, recut granite block paving Freeport St., here. $25,000. J. A. Rourke, comr.

Mass., East Boston (Boston P. O.)—Sept. 29, by Transit Dept., 1 Beacon St., Boston, asphalt or bitulithic on concrete paving Maverick Sq., here. $25,000. T. F. Sullivan, chn.

New York—Oct. 5, at office F. L. Merritt, clk. Bd. Supervisors, Court House, White Plains, constructing 0.89 mi. Pleasantville-Briarcliff Rd., portion of County Rd. 40, in village of Briarcliff Manor and town of Mount Pleasant; adv. E. N.-R. Sept. 24.

N. Y., Brooklyn — Sept. 30, by J. H. Guider, boro pres., Boro Hall, permanent asphalt repaving, etc. Kings Highway, Atlantic and Neptune Aves.

N. Y., Long Island City—Sept. 28, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and curbing, etc., 88th Ave. and 51st St. from right-of-way of Long Island R.R. to Corona Ave., 161st, Kindred, 94th and 51st Sts.; grading Plaza at intersection of Beach Channel Dr. and Beach 95th Sts., Hollywood St. and Polka Ave.; regrading, etc., Queens Blvd., and Queens Blvd. from Yellowstone Ave. to Union Turnpike, and Queens Blvd. from 63rd St. to Yellowstone Ave.; paving, etc., 97th St., 88th and 103rd Aves.

N. Y., Long Island City — Sept. 28, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, laying sidewalks, etc. on Woodside Ave.; also constructing rip rap embankment along Beach Channel Dr.

N. Y., New York—Oct. 1, by H. Bruckner, pres. Bronx Boro, Crotona Park, Trémont and 3rd Aves., grading and curbing, etc. Cambridge Ave. and East 172nd St.; sewers, etc. in Waterbury and Selwyn Aves.

New Jersey—Oct. 5, by State Hy. Comn., Trenton, rein.-con. paving Route 4, Sect. 13-A, Manasquan River Bridge Approach and Sect. 20-B, Manasquan Grade Crossing Elimination, in Monmouth and Ocean Counties; also Route 4, Sect. 25, South Amboy-Cliffwood, in Middlesex and Monmouth Counties. A. L. Grover, secy.; adv. E. N.-R. Sept. 24.

Pa., Phila.—Sept. 30, by Dept. Pub. Wks., Bureau of Highways, 3,000 cu.yd. grading, etc. streets in 40th Ward. Former bids rejected.

Delaware—Oct. 7, by State Hy. Dept., Dover, grading and paving, etc. 0.25 mi. Lums Pond, Contr. CN19B; 3.05 mi. Vines Creek-St. Georges Church, Contr. CS38, and 2.12 mi. Cannon to Atlanta, Contr. CS46; also grading Summit Bridge Approach, Contr. CN19C; adv. E. N.-R. Sept. 24.

Maryland — Sept. 29, by State Roads Comn., Baltimore, concrete paving 0.33 mi. Silver Spring undergrade approaches, Contr. M-49-D, Montgomery Co. J. N. Mackall, chn.; adv. E. N.-R. Sept. 24.

Maryland — Sept. 29, by State Roads Comn., Baltimore, penetration macadam paving 0.66 mi. road along Frederick St., Hagerstown, from city limits to Baltimore & Ohio R.R. crossing, Washington Co., Contr. W-42. J. N. Mackall, Garrett Bldg., Baltimore, chn.

Md., Baltimore—Sept. 30, by Bd. Awards, sheet asphalt on concrete paving 16,800 sq.yd. streets listed in Contr. 302-OCOANA. S. Purcell, City Hall, highways engr.

North Carolina — Oct. 13, by State Hy. Comn., Raleigh, hardsurfacing roads in Halifax, Nash-Edgecombe, Camden-Currituck, Johnston, Cumberland, New Hanover, Franklin, Caswell, Anson, Burk and Cleveland Counties; topsoiling, sand clay surfacing, graveling or grading roads in Wilson, Johnston, Robeson, Warren, Wake, Davidson, Randolph, Stokes, Haywood and Warren Counties; bridge only in Iredell Co.; adv. E. N.-R. Sept. 24.

N. C., Wilson — Oct. 16, by Hy. Comn. Wilson Co., concrete or asphalt paving, etc. 9.15 mi. State Highway Route 91, through Stantonsburg to Ruffins's Bridge. H. W. Rankin, engr.; adv. E. N.-R. Sept. 24.

South Carolina—Sept. 29, by State Hy. Comn., 1626 Main St., Columbia, grading and topsoiling 18,324 cu.yd. State Route 19 and 284, also rein.-con. concrete bridge over Duncan Creek, on State Project S-605, incl. 79,330 lb. reinforcing, etc., Newberry Co., E. D. Sloan, Court House, Greenville, engr.; also grading and topsoiling 31,540 sq.yd. State Route 391, State Project S-592. State Highway Engineer, Columbia, engr.

South Carolina—Sept. 29, by State Hy. Comn., Raleigh, sand clay surfacing, etc., 10,680 cu.yd. State Route 23, State Project, S-567-B, Dillon Co., J. M. Martin, Florence, engr.; earth approaches to King Street Viaduct over Southern & Atlantic Coast Line Railways, on State Route 2, Federal Project 178-A Charleston Co., and five 15 ft. span treated timber bridge Orangeburg Co., over Goodland Creek, State Route 1, State Project S-543, A. T. Brown, Scovill Bldg., Orangeburg, engr.

Fla., Lake Alfred—Oct. 6, by Mayor and City Council, 110,000 sq.yd. paving various streets. H. S. Jaudon Eng. Co., Eustis, engrs.

Alabama — Oct. 14, by State Hy. Dept., Montgomery, asphalt, chert or concrete surfacing 5.5 mi. Opelika-Auburn Rd., Lee Co., $45,000-$115,000; sand clay surfacing 5 mi. Elba-Troy Rd., Coffee Co., $56,000 and 14.6 mi. Geneva-Coffee Co. line-Elba Rd., Geneva Co., $52,000; bituminous surfacing 32 mi. Gadsden-Birmingham Rd., St. Clair Co., $159,000; chert surfacing 23 mi. Scottsboro-Tennessee State line Rd., Jackson Co., $31,000; grading 17 mi. Flomaton-Perdido Station Rd., Escambia Co., $35,000, all 18 ft.

Miss., Aberdeen—Sept. 29, by City Clerk, curbing, guttering and Warrenite on concrete surfacing 20,400 sq.yd., Warrenite on gravel surfacing 13,000 sq.yd., and concrete surfacing 13,000 sq.yd. various streets. A. L. Dabney, 820 Columbia Tower Bldg., Memphis, Tenn., engr.

Miss., Gulfport—Oct. 6, by Bd. Supervs. Harrison Co., 2 in. Warrenite bitulithic surfacing 24,900 sq.yd. Old Spanish Trail from Jeff Davis Ave. in Long Beach to Menge Ave. in Pass Christian; and resurfacing 12,000 sq.yd. Old Spanish Trail, in Beat 2. W. S. Hawkins, Gulfport, consult. engr.

Miss., McComb—Oct. 8, by Bd. Supervs. Pike Co., grading and gravel surfacing 15 mi. McComb-Walkers Bridge Rd., Federal Aid Project 35. Noted Sept. 10.

Louisiana—Oct. 2, by J. R. Leslie, pres. Police Jury, Washington Parish, Franklinton, grading and graveling 8,000 cu.yd. road from Franklinton to Backley.

Louisiana—Oct. 13, by State Hy. Comn., Baton Rouge, 8,000 cu.yd. washed gravel, delivered f.o.b. near Rhymes, Richland Parish. W. B. Robert, highway engr.

O., Cleveland — Sept. 30, by City, paving Worthington Ave. S. W., Western Ave. N. W., East 46th, 47th, 97th, 105th 144th, 147th and 185th Sts., West 37th, 122nd, 140th and 162nd Sts., 88th St. from Carnegie Ave. S. E. to Euclid Ave. and 88th St. from Union Ave. S. E. to Bessemer Ave., R. Hoffman, city engr.

Michigan—Oct. 6, by State Hy., Dept., at office Comrs. Cheboygan Co., Cheboygan, graveling 7.147 mi. Federal Aid Project 172 A 3, 18 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Oct. 7, by State Hy. Dept., at office Comrs. Antrim Co., Bellaire, graveling 6.178 mi. State Trunk Line 88-1, Sects. C and D, 16 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Oct. 12, by State Hy. Dept., at office Comrs. Marquette Co., Ishpeming, graveling 6.477 mi. State Trunk Line Rd. 35-5 B-2. G. C. Dillman, highway engr.

Mich., Detroit — Oct. 1, by Dept. Pub. Wks., grading and 3½ in. sheet asphalt on 8 in. concrete paving and (a) berea curbing or (b) concrete curbing 4,120 sq.yd. Linhurst St., (a) $18,540 (b) $17,300; 4,470 sq.yd. Lakeview Ave., (a) $20,110 (b) $18,780; 15,000 sq.yd. Balfour St.; 49,300 sq.yd. Schoolcraft St.; 3,110 sq.yd. Hathon St. (a) $14,620 (b) $13,680; 15,000 sq.yd. Six Mile Rd.; 4,530 sq.yd. Pulford St.; 4,350 sq.yd. Marcus St., (a) $18,700 (b) $17,400; 1,230 sq.yd. Buhl St., (a) $6,340 (b) $6,030; 6,300 sq.yd. Wisner St.; 6,300 sq.yd. Monthier St.; 2,520 sq.yd. Hazel Ridge; 2,060 sq.yd. Hurlbut St.; 1,470 sq.yd. Hindle St., (a) $7,650 (b) $7,200; 5,990 sq.yd. Stoepel St., (a) $25,160 (b) $23,360; 510 sq.yd. Alaska St., (a) $2,350 (b) $2,400; 1,810 sq.yd. Van Buren St., (a) $8,320 (b) $7,780; 1,810 sq.yd. MacKenzie St., (a) $8,320 (b) $7,780; 4,100 sq.yd. Julian St. (a) $18,860 (b) $17,630; 2,670 sq.yd. Pinhurst St., (a) $12,010 (b) $11,210; 5,840 sq.yd. Burnette St.; and 8,990 sq.yd. Bryden St. P. A. Fellows, city engr.

Ill., Joliet—Sept. 28, by Will Co., waterbound macadam surfacing 3.02 mi. Sect. X-2-15-D, 10 ft. wide with 10 ft. shoulders, Green Garden Twp. W. H. Smith, Joliet, co. supt. highways.

Ill., Rockford—Sept. 25, by J. H. Hallstrom, pres. Bd. Local Impvts., grading, sewering, curbing and concrete surfacing 18,321 sq.yd. 15th St. and 12th Ave. $82,100. B. C. Harvey, City Hall, engr. Noted Aug. 20.

Arkansas—Sept. 29, by State Hy. Comn., Little Rock, single bituminous surfacing 45,725 sq.yd. Federal Aid Project 26, and 21,120 sq.yd. non federal aid section, Johnson Co. R. C. Limerick, highway engr.

Ark., Van Buren—Sept. 24, at office C. M. Wofford, city secy., grading, curbing, sewering and 1, 2 and 4 in. mixed concrete surfacing 20,200 sq.yd. various streets in Paving Dist. 6. W. L. Winters, Ft. Smith, engr.

Tex., Beeville — Sept. 25, by Engineer Bee Co., 1 in. cold rock asphalt paving 107,000 sq.yd. State Highway 12, State Aid Project 613. $70,000. R. Harrison, Beeville, engr. R. J. Hank, Austin, highway engr.

Okla., Guthrie — Taking bids grading, curbing and concrete surfacing 21,250 sq.yd. Broad, Grand, Walnut, Perkins and Villas Sts., Dist. 53. G. L. Anderson, city clk. Noted Sept. 10.

Idaho — Sept. 28, by Commissioner Pub. Wks., at Idaho Hotel, Coeur d'Alene, grading, and crushed rock surfacing 11.6 mi. Coeur d'Alene-Chilco Rd., Federal Aid Project 100-A, Kootenai Co., 8 acres clearing and grubbing, 23,851 cu.yd. earth, 382 cu.yd. solid rock and 179 cu.yd. loose rock excav., 3,700 lb. reinforcing, etc. P. E. Oxley, 202 Pioneer B Bldg., Lewiston, dist. engr.

Washington—Oct. 6, by State Hy. Comn., Olympia, crushed rock or gravel surfacing 12 mi. North Bank Highway from Underwood to Lyle, Klickitat Co. J. W. Hoover, highway engr.

Calif., San Diego—Oct. 5, by City Clerk, grading, curbing, guttering, sidewalks and concrete paving 101,506 sq.ft. Nautilus St., and paving 93,435 sq.ft. Ivanhoe Ave., Wall and Cave Sts. F. A. Rhodes, city engr. Noted Aug. 27.

BIDS RECEIVED

Connecticut — J. A. MacDonald, comr. State Hy. Dept., Hartford, waterbound macadam paving 2,860 ft. Washington-New Preston Rd., in Washington, from Osborne & Barnes, Odd Fellows Bldg., Danbury, $23,164, 11,700 ft. Lime-Rock South Cahaan Rd., in Canaan, from M. A. Gammino Constr. Co., 728 Valy St., Providence, R. I., $147,000; rein.-con. paving 18,292 ft. Norwich-Willimantic Rd., in Franklyn, from A. D. Bridges & Sons, Hazardville $140,830, 29,475 ft. Cheshire-Waterbury Rd., in Waterbury Rd., in Waterbury, from C. W. Blakeslee & Sons, 58 Waverly St., $199,401; asphalt over concrete paving 1,750 sq.yd. at intersection Howe Ave. and Bridge St., in Shelton, from Silliman & Godfrey Co., 133 Admiral St., Bridgeport, 6,626; native stone macadam paving 4,300 ft. Shelton-Huntington Rd., in Shelton, from D. V. Frione, 105 Ward St., New Haven, $32,988.

N. J., Hackettstown — Common Council, Sept. 14, concrete paving about 1 mi. Mountain Ave., from S. B. Martin, Sussex, $45,400. Noted Sept. 3.

Streets and Roads (Continued)

N. J., Perth Amboy—Middlesex Co. (New Brunswick), Sept. 8, paving Williams, Division, Barclay, Penn, Catherine, Rector and Meade Sts., from Standard Bitulithic Co., Fayette St., $127,051; 6 streets only, from W. C. Smith, 221 South 1st St. $115,538.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Sept. 17, surfacing Packer St. between Broad and 10th Sts., from Vare Constr. Co., 1120 Race St., $65,315; 7th and 10th between Johnston and Pattison Sts., from Union Paving Co., 30th and Locust Sts., $91,371 and $97,708 respectively. Noted Sept. 10.

Delaware—State Hy. Dept., Dover, Sept. 16, removing old bridge at Drawyers, Contr. 37E, from Shallcross Bros., West Main St., and railroad tracks, Middletown, $1,750; grading and paving 0.87 mi. Rehoboth Connection, Contr. CS30C, from Smyrna Concrete Products Co., Smyrna, stone concrete, metal joint $27,514, open joint $27,604, slag concrete, metal joint $27,145, open joint $27,235; 2.6 mi. Maryland-Lyne-Hartley, Contr. CK30, from Highway Eng. & Constr. Co., Selbyville, slag concrete, metal joint $72,307, open joint $71,479, from George & Lynch, Dover, stone concrete, metal joint $74,152, open joint $73,462. Noted Sept. 3.

Virginia — State Hy. Comn., Richmond, Sept. 10, grading 1.318 mi. road and constructing bridge over Stewards Creek, Bath Co., from, Clarke & Lewis, Luray, $26,199; bituminous macadam paving, 3.672 mi. road and constructing bridge over Mill Creek, Page Co., from L. R. Colbert, Fredericksburg, $88,261; concrete paving 2.58 mi. road, Accomac Co., from Baker-Royal Co., Va. Railway & Power Bldg., Richmond, $74,553. Noted Sept. 3.

South Carolina — State Hy. Dept., Columbia, Sept. 15, **(S. R. means State Route, S. P. State Project and F. A. P. Federal Aid Project)**, from Slattery & Henry, Greenville, hardsurfacing 0.965 mi. S. R. 21, F. A. P. 253-B, $28,560, surfacing 3.46 mi. S. R. 21, F. A. P. 253-A, plain concrete $110,684, asphaltic concrete $113,028, both in Greenville Co., from Pritchard, Raines-Hazelhurst Constr. Co., Sumter, sheet asphalt paving same road $122,610; from J. T. Blassingame, Greenville, earth approaches to Durhams Bridge, on S. R. 8, F. A. P. 231, Anderson and Greenville Counties, $5,296; from McKenzie & Johnson, Abbeville, sand clay surfacing 6.3 mi. S. R. 19, F. A. P. 258, Edgefield Co. $25,001, from J. E. A. Branyon, Honea Path, 19.2 mi. S. R. 341, S. P. S-601 A $45,629, from W. C. Carter, Mebame, S. P. 601-B $57,973, from J. L. Carroll, Columbia, treated timber bridge on S. P. S-601-C, $15,009, all in Florence Co.; from A. W. Obenshain, Sumter, 73 ft. rein.-con. bridge over Tidewater Creek, on S. R. 8, F. A. P. 95-C, Beaufort Co., $9,101, alternate from Fulmer & Phillips, Leesville, 85 ft. timber bridge $5,141. Noted Sept. 10.

Louisiana—State Hy. Dept., Baton Rouge, constructing 11 mi. Haynesville-Bernice Highway, State Project 453 B, 1 and 2, Claiborn Parish, from R. H. Minton, Hemphill, Tex., $82,227 and $80,728 respectively; 1.69 mi. Opelousas-Churchpoint Highway, State Project 496 A, Landry Parish, from J. C. Wimberly, Churchpoint, $50,832; West Barrow St. bridge, on Houma-Morgan City Highway, State Project 492, Terrebonne Parish, from Austin Bridge Co., 1813 Clarence St., Dallas, Tex. $4,684. Noted Aug. 27.

La., Lake Charles—City Council, grading, curbing and concrete paving 22 streets, from Martin & Riling, Lake Charles, $190,000. Noted Aug. 13.

O., Cleveland—City, Sept. 9, from Cleveland Trinidad Paving Co., The Arcade, improving East Blvd. from Union Ave. to East 116th St. $57,570, and East Blvd. from Kinsman Rd. to Union Ave. $43,258, Diana Ave. $10,195, Dellewood Ave. $14,420, Bellaire Ave. $45,388, Glenside Ave. $9,383, Delaven Ave. $13,843, Harvard Ave. $45,128, Doris Ave. $9,514, West 52nd St. $20,264, Dunkirk Ave. $2,303, Clair Ave. $25,067, work involves 78,615 sq.yd. sheet asphalt, 38,440 lin.ft. 4 in. stone curbing, 40,720 lin.ft. 4 in. drain tile gutter, 35,670 cu. yd. earth excav., Desmond Ave., brick $29,260, Dove Ave., brick $44,301; from Enterprise Paving & Constr. Co., 8444 Bway., Buckeye Rd., asphalt $32,252; from Highway Constr. Co., West 112th St. and Buckeye Rd., Desmond Ave., asphalt $25,467, Dove Ave., asphalt $35,056, work involves 21,680 sq.yd. vitr., brick or sheet asphalt, 10,470 lin.ft. stone curbing, 9,700 lin. ft. 4 in. drain tile gutter and 5,500 cu.yd. earth excav.

O., Cleveland—Cuyahoga Co., improving McKenzie Rd., 14,300 sq.yd. concrete, 14,300 lin.ft. 4 in. drain tile gutter, 4,600 cu.yd. earth excav., from Patterson Constr. Co., 603 Bway., Lorain, $51,652 engrs. est. $62,500; Miles Ave. 4, 48,500 sq.yd. paving 24,300 lin.ft. stone curbing, 24,900 lin.ft. 4 in. drain tile gutter, 6,400 cu.yd. earth excav., from Highway Constr. Co., West 112th St. and Madison Ave., lake asphalt $267,848, oil asphalt $262,998; concrete $259,239, from Cleveland Trinidad Paving Co., The Arcade, brick $311,200, engrs. est. $371,700.

O., Lisbon—Columbiana Co., improving Camp Ground Rd., from Allison & Harris Constr. Co., East Liverpool, willite $48,296, concrete $39,408; from G. B. Patterson, Wellsville, amiesite $48,112. Noted June 4.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., 3½ in. sheet asphalt on 8 in. concrete paving 8,695 sq.yd. Wisconsin Ave. $36,702, 6,745 sq.yd. Wilson Ave. $30,108, 2,475 sq.yd. Vernor Ave. $10,939, 15,260 sq.yd. Woodmere Ave. $64,219, 1,147 sq.yd. Sylvester Ave. $5,591, 8,975 sq.yd. Ardmore Ave. $38,577, 3,290 sq.yd. Burwell Ave. $15,249, 8,050 sq.yd. American Ave. $35,236, 757 sq.yd. Beaman Ave. $3,819.

Wis., Milwaukee—Dept. Pub. Wks., Sept. 11, from R. H. Gumz, 831 13th St., 7 in. vibrolithic concrete paving Hayes Ave. between 14th and 15th Aves. $6,195, Reed St. from Washington to Greenfield Sts. $10,240, Rose Hill Pl., from Dunlop to Becher Sts. $3,487, from Kroening Constr. Co., 39th Ave. and Mitchell St., 8 in. vibrolithic concrete paving Vliet St. from 47th to 60th Sts. $37,277, concrete curbing and guttering Wilson St. from Howell to Austin Sts., $932; from White Constr. Co., 68 Wisconsin St., asphalt resurfacing Lake St. from Barclay to Clinton Sts. $3,064, and from Badger Constr. Co., 97 Wisconsin St., Elm St. from Lisbon to 45th Sts., $10,730; from A. E. Retzlaff, 868 Island Ave., 7 in. vibrolithic concrete paving Cherry St. from 49th to 50th Sts., $2,717; from J. Schwertzer, 97 Wisconsin St., concrete curbing and guttering 47th St. from Chambers to Burleigh Sts., $2,311.

Texas—F. V. Lanham, chn. State Hy. Comn., Austin, grading, gravel surfacing and bridging 3.977 mi. State Highway 5, Federal Aid Project 480-B, Bowie Co., from G. G. and C. W. Burgess, 928 Kirby Bldg., Dallas, $41,594, engrs. est. $46,000; grading, caliche paving and bridging 11.13 mi. State Highway 1, Federal Aid Project 391-C, Ward Co., from F. P. Holt, Sanderson, $138,141, engrs. est. $157,500. Noted Sept. 3.

Texas—State Hy. Comn., Austin, grading and bridging 9.68 mi. State Highway 30, Federal Aid Project 493-A, Jones Co., from H. J. Evans, 500 West 15th St., Austin, $47,261. Engrs. est. $58,300. Noted Sept. 3.

Texas — F. V. Lanham, chn. State Hy. Comn., Austin, Sept. 11, clearing grubbing, grading and bridging 5.89 mi. State Highway 34, Federal Aid Project 385-B, incl. 54,302 lb. reinforcing, etc., from L. B. Everett, McKinney, $23,783, engrs. est. $29,400; 4.83 mi. same road, Sect. D., incl. 119,986 lb. reinforcing, etc., from McClung Constr. Co., Cleburne, $44,978, engrs. est. $56,000, both in Ellis Co. Noted Sept. 3.

Tex., Jourdanton — F. V. Lanham, chn. State Hy. Comn., Austin Sept. 11, **(e. e. means engrs. est.)** grading, bridging etc. 8.371 mi. State Highway 9, State Aid Project 627-A, incl. 69,932 lb. reinforcing, and 4.687 mi. State Highway 9-A, State Aid Project 628, incl. 39,722 lb. reinforcing, from H. Kyle, Hutto, $28,904 and $19,488 respectively, e. e. $36,400 and $26,000 respectively; 9.09 mi. State Highway 9, State Aid Project 627-B, incl. 31,671 lb. reinforcing, and 8.246 mi. State Highway 9, State Aid Project 627-C, incl. 59,899 lb. reinforcing, from H. J. Evans, 500 West 15th St., Austin, $27,247 and $35,204 respectively e. e. $33,000 and $40,000 respectively, all 26 ft., in Atascosa Co. Noted Sept. 10.

Tex., Linden — Cass Co., grading and bridging 5.64 mi. State Highway 8, Federal Air Project 457-A, from B. F. Brooks Constr. Co., 327 Slaughter Bldg., Dallas, $55,371. Engrs. est. $57,000.

Tex., Madisonville—Madison Co., clearing, grading and bridging 10.18 mi. State Highway 2, Federal Aid Project 486-A, 26 ft., from Smith Boyett & Co., Bryan, $59,576. Engrs. est. $65,000.

Wash., Seattle—Bd. Pub. Wks., from J. L. Smith, 304 West 36th St., improving 42nd Ave. S. W., et al., 20,000 cu.yd. excav. at $0.45 per cu.yd., 1,200 sq.ft. concrete sidewalks $1.35, 46,500 ft. concrete curbing $0.25, 1,530 sq.yd. 5 in. concrete paving $1.50, 79,800 sq.yd. 6 in. concrete paving $1.40, etc., total $178,450. Engrs. est. $195,000.

California—State Hy. Comn., Sacramento, Sept. 8, grading 4.09 mi. Alturas State Lateral, in Big Valley, Lassen Co., from D. McDonald, 1901 L St., Sacramento, $39,950. Engrs. est. $73,055. Noted Aug. 27.

Calif., Alhambra — Curbing, guttering, sidewalks and oil macadam paving 223,259 ft. Westminster Ave., Avondale Dr., etc., from R. P. Law, 6115 Delphi St., Los Angeles, $41,345.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks and paving Manchester Ave. and Ave. 26 between Dayton and Pasadena Aves., from G. H. Oswald, 396 East 58th St., $28,850 and $33,902 respectively, engrs. est. $33,141 and $39,801 respectively; asphaltic concrete paving, etc. 45,786 sq.ft. Evergreen Ave., from Griffith Co., 502 Los Angeles Ry. Bldg., $21,345, engrs. est. $27,004; concrete paving, etc. 45,143 sq.ft. Budou Ave. between Martin and Phelps Sts., from J. and P. Cristich, 1817 East 3rd St., $124,678, engrs. est. $151,417.

Calif., San Diego—From Griffith Co., 25 14th St., 2 in. asphalt on 5 in. concrete paving 76,828 ft. L St. from 9th to 32nd Sts. at $0.228 per sq.ft., 384,964 sq.ft. 1½ in. asphalt on 4 in. concrete paving $0.197, 14,554 sq.ft. concrete sidewalk, $0.21, 2,743 ft. concrete curbing $0.63, 4,399 cu.yd. excav. $0.75, etc., total $101,653; from G. R. Daley, 4436 Boundary St., 2 in. asphalt on 5 in. concrete paving 69,976 sq.ft. Juniper St. $0.237, 624 cu.yd. excav. $0.90, 247 sq.yd. embankment $0.40, 8,382 sq.ft. concrete sidewalk $0.20, 1,687 ft. concrete curbing $0.65, etc., total $21,119. Noted Sept. 3.

CONTRACTS AWARDED

Mass., Brookline—Sheet asphalt paving Chestnut Hill Ave., to J. C. Coleman & Sons, 1620 Tremont St., Roxbury. Engrs. est. $25,000.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to F. Persicano, 350 Fulton St., grading, curbing and flagging Crown St. $3,157 East 98th St. $5,521, 51st St. $4,151; to Uvalde Asphalt Co., 1 Bway., New York City, sheet asphalt paving Crown St., etc. $8,735, East 26th St., etc. $8,027 and East 26th St., etc. $10,427 asphalt paving Rutland Rd. $23,614, to Brooklyn, Alcatraz Asphalt Co., 407 Hamilton Ave., East 9th St. $8,252, 63rd St. etc. $5,332, 71st St. $8,436, East 10th St. $9,363, East 16th St. $9,153; to W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 16th St. $5,036, West 9th St. $4,989, 52nd St. $3,292, 55th St. $3,810, 61st St. $3,660, to G. M. Mandato, 129 29th St., East 10th St. $2,823, East 26th St. $3,024, East 37th St. $3,367, Ave. M and Gravesend Ave., etc. $2,844; to Sicilian Asphalt Co., 41 Park Row, New York City, asphalt repaving Gates Ave. $36,425, Montague St. $32,880; to B. Turecamo, 8706 Bay 12th St., asphalt paving Ave. M, etc. $21,831, 55th St. $9,087, to Cranford Co 52 9th St., 19th Ave. $4,321, 52nd St. $7,109, 63rd St. $4,835, to M. J. O'Hara, 717 65th St., 61st St. $9,691; to Buoniello Contg. Co., 6903 Ft. Hamilton Ave., grading, curbing and flagging 64th St., $13,709; to C. Bennett Contg. Co., 414 Rutland Rd., grading, recurbing and granite paving Rochester Ave. $12,066. Granite paving Montague St. $15,157. Grand total $304,104. Noted Sept. 10.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, grading, curbing and flagging East 29th St., to Grimm Contg. Co., 170 McKinley Ave. $2,662, 56th St. and asphalt paving 56th St., to Buoniello Contg. Co., 6903 Ft. Hamilton Ave., $821 and $4,270 respectively; grading, curbing and flagging, etc. 68th St., and asphalt paving 68th St., to Cranford Co., 52 9th St., $1,827 and $8,207 respectively; asphalt paving Ocean Ave., etc., to M. J. O'Hara, 1228 Park Ave., New York City, $160,458. Grand total $178,245. Noted Sept. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing and flagging, etc. Foster Ave., $11,548; to Haupert, Pizzo Foley & Alfieri, 140 Beadle St., Brooklyn, curbing and laying sidewalks, etc. on Grout Ave. $2,304, Tiemann Ave., etc. $1,523, grading, etc. 179th Pl. $775; to Kennedy & Smith, Inc., 93 Amity St., Flushing, asphalt repaving Diagonal St. and Jackson Ave. $56,280; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, grading, curbing, sidewalks, etc. on 116th St. $24,500; to C. Bennett Contg. Co., 414 Rutland Rd., Brooklyn; grading, etc. Rockaway Blvd., $115,197. Grand total $212,037. Noted Sept. 17.

New Jersey—State Hy. Comn., Trenton, constructing Delaware River Bridge Connecting Rd., Pensauken Boro, and Sect. 2, Delaware River Bridge Entrance Rd., in Camden, to S. J. Groves & Sons Co., Duncannon, Pa., $758,710. Noted Sept. 17.

N. J., Burlington—Concrete paving, etc., East Pearl and West Federal Sts., to M. Schrieber, 500 Berkley St., Camden, inside trolley tracks $14,000; and to W. H. King, Moorestown, outside trolley tracks $17,758. Engrs. est. $31,758. Noted Sept. 10.

Streets and Roads (Continued)

Pennsylvania — Dept. Highways, Harrisburg. **(R means Route and A means Application)**, rein.-con. paving 42,405 sq.yd. R. 68-119 Unity-Hempfield Rd., Westmoreland Co., to Hermann & Gass, Latrobe, $224,897; 37,241 sq.yd. R. 75, A. 3484, Venango Co., to Standard Paving Constr. Co., 1101 Cicero Ave., Chicago, Ill., $163,703; 16,017 sq.yd. A. 2697, Montgomery Co., to Juniata Co., Empire Bldg., Phila., $57,450; 23,667 sq.yd. R. 115, A. 3353, Center-Porter Rd., Beaver Co., to J. C. Devine Co., 335 East Columbia St., Alliance, O., $114,443; 15,516 sq.yd. R. 57, Tyrone-Snyder Rd. Blair Co., to L. R. Mathieu & Sons, Altoona, $63,328; 132,874 sq.yd. R. 102, Sect. 5, Ulyses-Sweden Rd., Potter Co., to D. L. Dennis, Smethport, $743,567; 21,095 sq.yd. R. 251, A. 3027-E, Armstrong Co., to Johnson-Drake & Piper Inc., Minneapolis, Minn., $91,864; 17,532 sq.yd. R. 69, A. 3030-2617 Armstrong Co., to M. J. McMahon, Dubois, $111,382; 8,125 sq.yd. A. 3316, Beaver Co., to G. S. White Co., Jenkins Arcade, Pittsburgh, $40,078; and 24,888 sq.yd. A. 3451, Mercer Co., to Meridith & McVaugh, Castle Shannon, $80,767. Grand total $1,691,479. Noted Aug. 13.

Pa., Phila. — Bureau of Highways, Dept. Pub. Wks., to T. P. Lee, 5629 Cherry St., grading Atwood, Harlan and Kenmore Sts. $21,729, to Gadknecht & Cullison, Torresdale and Robbins Sts., Devereaux and Hasbrook Sts. $3,227, Tackawanna St. $206, to R. B. Wenner, 2313 Walnut St., Ferndale St. $3,164, Somerville St. $2,701, to Dawes Bros., 5th and Fishers Aves., Pennypack St. $9,179, to McCarrick Bros., 3138 North 24th St., Rorer St. $3,213, to Keystone State Corp., Franklin Bank Bldg., Terminal St. $20,424; to Barber Asphalt Co., 239 North 30th St., asphalt paving Bigler and 12th Sts. $13,692, Carlisle St. $3,899, Chew St. $5,249, Marshall St. $6,732, Winston St. $12,887, Cooper St. $2,515, to Mack Paving & Constr. Co. Nicetown Lane and Luzerne St., Crittenden St. between Mt. Airy and Gowen Sts. $17,231, and Crittenden St. between Vernon Rd. and Gorgas St. $8,600, Horrocks St. $10,482, Sedgwick and Wayne Sts. $22,983, Wellesley St. $9,999, 72nd Ave. between York Rd. and Broad St. $8,062, and 72nd Ave. between Walnut Lane and 21st St. $7,199, to Union Paving Co., 30th and Locust Sts., Oregon St. $246,437, surfacing Pattison St. $67,146, 20th St. $52,580; to Eastern Asphalt Paving Co., Penn Bldg., asphalt paving Oregon St. $53,371, asphalt repaving Snyder St. $73,542, and 22nd St., $22,478; to A. J. Henderson, East Washington Lane and Reading R.R. tracks, improving Cheltonham St. $37,815, and Thompson St., $14,288; to Vare Constr. Co., 1120 Race St., surfacing Packer St., $103,699; to Mazzola & Marano, 739 South 7th St., redressed granite block repaving Snyder St. $37,664, 5th St. $14,815, 6th St. $19,641; to J. J. McHugh, 1617 Race St., alleys in Dist. 1, G-2 $1,822, Dist. 6, G-6 $6,180; to E. J. Lavino, Bullitt Bldg., furnishing filler for asphalt paving mixtures, $2,910. Grand total $977,820.

Pa., Pittsburgh—Pennsylvania R.R. Co., Broad St. Sta., Phila., extending Grant St. between 7th and Liberty Aves., here, to Booth & Flinn Ltd., Forbes St.

Md., Baltimore — Bd. Awards, grading, curbing and concrete paving 18,000 sq.yd. streets listed in Contr. 299-OANA, to Tydings, Marine Co., 2 East Lexington St., Baltimore, $49,883. Noted Sept. 17.

W. Va., Marlinton — Pocahontas Co., penetration macadam surfacing 3.5 mi. Durbin-Bartow Rd., 16 ft., to Dougher & Boone, Lewisburg, $72,000. Noted Aug. 27.

Georgia—State Hy. Dept., East Point, **(F.A.P. means Federal Aid Project)** constructing 1 bridge and grading, etc. 4 mi. Brunswick-Kingsland-Jacksonville Florida Rd., F.A.P. 432-A, Camden Co., to Wallace Constr. Co., Atlanta, $82,410; surface treating, etc. 8.975 mi. Macon-Perry Rd., F.A.P. 401 A and B, Houston Co., to Newton, Fryar, Transferler, Chattanooga, Tenn., $25,248; concrete paving 6.27 mi. Camella-Thomasville Rd., F.A.P. 440 A, Thomas Co., to Whitley Constr. Co., La Grange, $145,254, and 1.116 mi. road in Louisville, F.A.P. 441, Jefferson Co., to J. R. and J. B. Miller, Baconlen, $28,230. Grand total $281,142.

Alabama—State Hy. Comn., Montgomery, graveling 7.3 mi. road between Wedgeworth and Five Mile Creek, 18 ft., to Nixon & Phillips, Montgomery, $52,624; concrete paving 1.3 mi. road in town of East Brewton, 30 ft., to Lawrence Constr. Co., Jackson, Miss., $35,845.

Miss., Gulfport — Bd. Supervs. Hancock Co., paving 2nd St., to Southern Paving Co., Volunteer Life Bldg., Chattanooga, Tenn., $14,526; grading Lyman-Poplarville Rd., to Marks & Brown, Hazelhurst, $24,456; creosote bridge on Ramsey Springs Rd., to Newsome Bros., Goss, $1,098; bridge material, to Gulfport Creosote Co., Gulfport, $1,430. Grand total $41,510. Noted Aug. 27.

Miss., Hazelhurst—Copiah Co., rebuilding 7 mi. Georgetown Rd., Dist. 1, to G. Marx, Hazelhurst, $16,500; widening and straightening 10 mi. Georgetown-Hazelhurst Rd., Dist. 5, to D. F. Gates, Hazelhurst, $19,500.

La., Lafayette—For 16 mi. concrete sidewalks on various streets, to Thibodeax & Harrison, Baton Rouge, La., $64,038.

La., Shreveport—Curbing, guttering, and asphaltic concrete paving Portland Ave., to Flenniken Constr. Co., Cahn Bldg., $26,188; rock asphalt paving Boulevard and East College Sts., to Shreveport Paving Co., Shreveport, $3,993 and $3,644 respectively. Grand total $33,825.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, grading and concrete surfacing 6.68 mi. Nashville-Una Rd., 20 ft., Federal Aid Project 56-A, Davidson Co., to Gradison Constr. Co., Mt. Sterling, Ky., $219,947. Noted Aug. 6.

O., Bellaire—Rein.-con. paving Bank, 1st and Rosser Aves., to Rosser & Maloney, Bellaire, $26,547.

O., Cincinnati—Improving Western Ave., 18,400 sq.yd. granite block, 300 sq.yd. asphalt, 2,200 cu.yd. concrete, 49,000 lin.ft. granite curbing, 1,670 lin.ft. cement sidewalks, to Henkel & Sullivan, 105 Bell Blk., $124,174. Engrs. est. $131,491. Noted Sept. 17.

O., Cleveland—City, improving East 158th St. and Ironwood Ave., 2,470 sq.yd. sheet asphalt, 1,660 lin.ft. stone curbing, 1,750 lin.ft. 4 in. drain tile gutter and 1,050 cu. yd. earth excav., to Gould & Maybach, 16113 Saranec Rd., $9,783 and $13,560 respectively.

O., Cuyahoga Falls—Improving Harrison Ave., to T. E. McShaffrey Constr. Co., 173 South Forge St., Akron, $53,193. Engrs. est. $55,000. Noted Sept. 17

O., Youngstown—Mahoning Co. improving East River Rd., to Fredericksburg Bridge, to Rudy Bros. Constr. Co., Youngstown, $29,195. Engrs. est. $30,000.

Mich., Detroit—To M. R. Hanna Co., 2700 Six Mile Rd., 3½ in. asphalt on 8 in. concrete paving Dequindre St. $45,822, Jos. Campau Ave. Sect. 1 $55,442 and Sect. 2 same avenue $99,473, to Detroit Asphalt Paving Co., 909 Free Press Bldg., Dorothy Ave. $17,856, Waverly Ave. $12,044, Kellogg Ave. $9,449, Wildemere Ave. $4,662, Vernor Ave. $37,054; to Bishop & Weir, 1305 Lafayette Bldg., 1 course concrete paving Alley 2406 $6,818, Alley 2407 $4,233, Alley 2414 $2,496, Alley 2443 $3,714, to McKenna Trucking Co., 3559 Holcomb Ave., Alley 2408 $3,114, to Otis Cement Constr. Co., 806 Hammond Bldg., Alley 2409 $2,655, Alley 2410 $2,328, Alley 2412 $1,126, Alley 2413 $957 Alley 2415 $1,455, Alley 2416 $1,493, Alley 2446 $2,689, Alley 2449 $1,748, Alley 2450 $1,269, and Alley 2451 $1,301, to C. W. Shepard Co., 213 State St., Alley 2411 $2,333, Alley 2442 $4,986, Alley 2447 $2,489, to C. L. Lincoln, 12337 Indiana Ave., Alley 2441 $7,493, Alley 2445 $3,151. Grand total $339,650. Noted Aug. 20.

Mich., Detroit — To Otis Cement Constr. Co., 806 Hammond Bldg., 6 in. concrete paving 1,590 sq.yd. Alley 2429 $3,773, 1,495 sq.yd. Alley 2431 $3,435, 845 sq.yd. Alley 2432 $2,058, 1,965 sq.yd. Alley 2433 $4,612, 958 sq.yd. Alley 2434 $2,295, 733 sq.yd. Alley 2436 $1,735, 610 sq.yd. Alley 2437 $1,482, 276 sq.yd. Alley 2439 $974, 258 sq.yd. Alley 2440, $734; to McKenna Trucking Co., 3559 Holcomb Ave., 1,495 ft. Alley 2430 $3,545, 603 sq.yd. Alley 2438 $1,503; to C. W. Shepard Co., 213 State St., 928 sq.yd. Alley 2435, $2,247. Grand total $28,393.

Ill., Cairo—Macadam surfacing, sewering, etc. Park Ave., to C. Bourgois, Cairo, $16,571. Noted Aug. 20.

Ill., Monroe — City, Franklin-Tremont Streets Paving Improvement, to Jansen & Schaffer, Pekin, $45,552.

Ill., Mt. Olive — City, Main St.-Poplar St. Paving Improvement, to Keeley Bros. Contg. Co., 21st and State Sts., East St. Louis, $54,569. Engrs. est. $61,878.

Ill., Joliet—Will Co., waterbound macadam surfacing 2.25 mi. Sect. N 15-D, Homer Twp., to J. M. Pierson & Co., Chicago Heights, $33,754; 2.01 mi. Sect. S-15-D, Wilton Twp., to Skinner & Eagles, Essex, $19,529; 2.03 mi. Sect. W-15-D, Peotone Twp., to W. Shenk, Wilmington, $20,844; 1.14 mi. Sect. V-15-D, Crete Twp., and 1.03 mi. Sect. X-1-15-D, Manhattan Twp., to Tim Bros., Manhattan, $17,855 and $11,873 respectively, all above 10 ft. wide with 10 ft. shoulders. Grand total $103,855.

Ill., Villa Grove—For 7 in. concrete surfacing Main, Oak and Vine Sts., to I. D. Lain, Bloomington, $73,275. Engrs. est. $87,641. Noted Sept. 17.

Ill., Wheaton—Warrenite bitulithic resurfacing 34,228 sq.yd. various streets in Dist. 4, to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., $63,649. Noted Sept. 3.

Wisconsin—See "Bridges."

Ia., Essex—Grading, concrete surfacing, etc., 12 blocks various streets, to P. Nelson & Son, Council Bluffs, $30,891. Noted Sept. 17.

Ia., Oakland—Pottawattamie Co. (Council Bluffs), grading and concrete surfacing 8,046 sq.yd. Project 400, here, to J. Wickham Co., Council Bluffs.

Minn., Minneapolis—A. P. Erickson, aud. Hennipen Co., grading and monolithic culverts on 3.95 mi. Parkers Lake-Long Lake Rd., County Rd. 17, County Project 17, to J. J. and M. S. Mergens, 400 Temple Court, $20,714; iron culverts, to Klauer Mfg. Co., Dubuque, Ia., $549; and gravel surfacing, to F. G. Burns, 2213 Portland Ave., $8,390. Grand total $29,653. Noted Aug. 20.

Neb., Lincoln—To Cochrane Constr. Co., 822 1st Natl. Bank Bldg., asphaltic concrete paving 3,450 sq.yd. streets in Dist. 603 $11,096, to Abel Constr. Co., 318 Terminal Bldg., 15,000 sq.yd. in Dist. 612, $45,148; to Martin-Day Co., Lincoln, concrete paving 533 sq.yd., alleys in Dist. 156, $1,381; to Reimers-Kaufman Co., 12th and West Sts., brick paving 466 sq.yd. alleys in Dist. 125 $2,036, 233 sq.yd. alleys in Dist. 146 $1,105, 642 sq.yd. Dist. 5 $3,401, 500 sq.yd. in Dist. 8 $2,751, and 500 sq.yd. in Dist. 9, $2,711; also to J. L. Deffenbaugh, 2124 Smith St., 264 ft. 8 in. tile sewers in Dist. 273 $270, 753 ft. 8 in. tile sewers in Dist. 275 $565, and 1,210 ft. 4 and 6 in. c.i. mains in Dist. 91, $2,050; to Knudsen & Co., 1338 M St., 614 ft. 8 in. tile sewer in Dist. 283 $619 and 2,310 ft. 8 in. tile sewers in Dist. 286 $2,500. Grand total $75,633.

Neb., University Place—C. Gates, city clk., grading, curbing, asphaltic concrete paving, etc., approximately 10,000 sq.yd. streets in Paving Dist. 24, to Abel Constr. Co., 318 Terminal Bldg., Lincoln. Engrs. est. $25,000.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project, and S. A. P. means State Aid Project)**, culverts on 12.88 mi. S. A. P. 118, Butte Co., 22,491 lb. reinforcing, etc., to E. B. Davis, Kadoka, $7,739; bridges on F. A. P. 181-D, Dewey Co., 19,012 lb. reinforcing, and 84,029 lb. structural steel, etc., to Willis Bonesteel, Wagner, $10,886, on F. A. P. 203-A, Chas. Mix Co., 23,460 lb. reinforcing, and 11,721 lb. structural steel, etc., to J. C. Sorenson, Trent, $11,994, on S. A. P. 119, Washington Co., to W. C. Hamblett, Sturgis, $7,755; guardrail in Sanborn Co., to H. G. Boocock, Faulkton, $362, in Buffalo, Jerauld, Lake and Spink Counties, to Miller Bryant, Garden City, $2,833, in Sanborn, Chas. Mix, Potter, Union, Lawrence and Meade Counties, to J. B. Skogland, Starbuck, Minn., $6,011. Grand total $47,580.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project, and S. A. P. means State Aid Project)**, to Tobin & Maloney, Madison, grading 13 mi. F. A. P. 188-E, Kingsbury Co., 74,854 cu.yd. common excav., etc. $28,749, 14.21 mi. F. A. P. 203-A, Chas. Mix Co., 2,836 cu.yd. loose rock excav., etc. $52,141, graveling 15.5 mi. F. A. P. 172-C, Walworth Co., 23,242 cu.yd. gravel, etc., $20,122; to Dowd Bros. Noonan & Hyde Co., Watertown, grading F. A. P. 199-A, Clark and Codington Counties, 137,312 cu.yd. common excav., $38,244; to England & England, Murdo, 1.49 mi. Missouri River Bridge Approach, on S. A. P. 127 and 128, Hughes and Stanley Counties, 83,711 cu.yd. common excav., etc., $25,900; to Minnehaha Co., Sioux Falls, graveling 1.09 mi. F. A. P. 135-B, Minnehaha Co., 1,693 cu.yd. gravel, etc. $1,785, to S. S. Roberts, Flandreau, 13.49 mi. F. A. P. 160, Brooklings and Moody Counties, 20,235 cu.yd. gravel, etc. $12,116, 6.59 mi. S. A. P. 116, Clay, Lincoln and Union Counties, 9,891 cu.yd. gravel, etc. $11,968, to R. L. Wiley, Summit, 17.97 mi. F. A. P. 172-B, Edmunds Co., 26,949 cu.yd. gravel, etc. $20,239. Grand total $211,264.

North Dakota — State Hy. Comn., Bismarck, **(F.A.P. means Federal Aid Project)** improving 8.054 mi. F.A.P. 260 A, Morton Co., grading, to Stevens Bros., St. Paul, Minn., $2,828, concrete, to H. Bellman, New Leipzig, $12,135; rein.-con. paving 9.372 mi. F.A.P. 251, Morton Co., to J. J. Rue & Sons, Bismarck, $2,797; surfacing, 6.006 mi. F.A.P. 101, Foster Co., to F. H. Reed, Ellendale, $6,816. Grand total $24,576. Noted July 2 and Aug. 6.

N. D., Fargo—Concrete paving and curbing 1 alley and 9th St. between 13th and 15th Aves., to W. E. Kennedy Co., 7 Bway., $25,190.

Missouri—State Hy. Dept., Jefferson City, to O. H. Schmidt, 3108 Jule St., St. Joseph, 30 ft. grading 0.229 mi. Gower-Grayson Rd., Clinton Co. $1,128, to Federal Bridge Co.,

Streets and Roads (Continued)

1002 B. T. Bldg., Des Moines, Ia., 0.322 mi. St. Clair-Gray Summit Rd., Franklin Co., $8,199, to Gaines Bros., Fairland, Okla., 13.674 mi. same road $96,453, to Schull & Melton, California, 4.783 mi. Conway-Lebanon Rd., Laclede Co. $22,042; to Pope Constr. Co., Jefferson City, grading and 18 ft. concrete paving 11.374 mi. Mineola-High School Rd., Montgomery Co. $292,939; to Zeigler Bros., Junction City, Kan., grading and 9 ft. concrete paving 14.998 mi. Excelsior Springs-Richmond Rd., Ray Co. $104,554, grading and 18 ft. concrete paving 3.339 mi. roads from Smithton east and west, Pettis Co. $48,870, 1.259 mi. roads from Nashua west and south, Clay Co. $13,707, 4.605 mi. roads from Fairview east and west, Platte Co. $53,967, to A. A. Davis & Co., & Yates Constr. Co., Oklahoma City, Okla., 2.87 mi. roads from Montserrat east and west $41,942, 3.617 mi. roads from Knobnoster east and west $40,589, 2.189 mi. Montserrat-Knobnoster Rd. $22,233, 2.727 mi. Warrensburg-Montserrat Rd. $45,845, all foregoing in Johnson Co., to A. A. Davis & Co. & E. J. Wells, Oklahoma City, Okla., 3.714 mi. Kansas City-Jefferson City Rd. $26,315, 14.318 mi. Kansas City-Lees Summit Rd. $218,730, both in Jackson Co., to Koss Constr. Co., Ft. Des Moines St., Des Moines, Ia., 10.574 mi. Lawrence Co. Line-Springfield Rd., Green Co. $214,122, 22.058 mi. Jasper Co. Line-Greene Co. Line Rd., Lawrence Co. $466,075, to W. A. Ross, Kansas City, 4.977 mi. road from Higginsville south, Lafayette Co. $58,253, to Smith Bros., Inc., Dallas, Tex., 12.768 mi. Marshall-Sedalia Rd., Saline Co. $202,939, 10.297 mi. Marshall-Sedalia Rd., Pettis Co. $226,992; to Regenhardt Constr. Co., Cape Girardeau, grading and 18 ft. concrete paving 3.743 mi. Lutesville-Advance Rd., Bollinger Co., $59,321; to R. L. Williams, Charleston, grading, 9 and 18 ft. concrete paving 3.939 mi. road from Charleston north, Mississippi Co. $56,111; to P. W. Fletcher, Hannibal, 18 ft. gravel surfacing 8.733 mi. Butler-Appleton City Rd., Bates Co. $38,047, to Cook & Waddell, Ottawa, Kan., 4.099 mi. Keytesville-Salisbury Rd., Chariton Co. $21,111, to R. P. Harpen Constr. Co., Chillicothe, 4.24 mi. Keytesville-Chariton Rd., Chariton Co. $34,519, to Thayer Constr. Co., Worthington, Minn., 4.812 mi. road from Shelbyville south, Shelby Co., $8,541; and to S. Henke, Jefferson City, 20 ft. gravel surfacing 1.026 mi. Loose Creek-Linn Rd., Osage Co., $2,922. Grand total $2,499,453. Noted Sept. 10.

Mo., Clinton — C. A. Calvird, city clk., improving Orchard and Main Sts., 6,105 sq.yd. 7 in. vibrated concrete and 1,701 sq.yd. concrete paving, 918 cu.yd. excav., 523 ft. curb and gutter, etc., to Reed, Wheelock, Clay Center, Kan., $31,304.

Mo., Kansas City—For 10 in. concrete paving Troost Ave. between 65th St. and point 180 ft. south of 79th St., to W. A. Ross, 1921 Bwav., $151,699. Noted Sept. 17.

Mo., Springfield—Concrete paving, etc., 8,150 sq.yd. Lynn St., to Hedges Weeks Constr. Co., Holland Bldg. at $2.135 per sq.yd.; and 4,490 sq.yd. National Ave., to E. V. Koch, 426 North Moffett St., Joplin, $2.23, etc. Noted Aug. 27.

Tex., Childress — Brick paving 25,000 sq.yd. various streets, to Jordan Constr. Co., Plainview, $97,525.

Tex., Dallas—City, M. G. James, secy., sheet asphalt paving 9,000 sq.yd. Goodwin St. from Houston & Texas Central R.R. tracks to Worcola St., to Fuller Constr. Co., Fidelity Union Bldg., $25,778, also asphaltic macadam paving 18,000 sq.yd. Marlborough St. from 10th to Jim Town Sts., to Central Bitulithic Co., Praetorian Bldg., $51,215.

Tex., Harlingen — For 1 in. cold rolled rock asphalt surfacing various streets, to E. P. McElwrath, Corsicana, $22,521. Engrs. est. $25,000.

Tex., Iowa Park — Rein.-con. paving 6 blocks Cash and Hartdrive Sts., to Douglas & Mitchell, Ward Bldg., Wichita Falls, $45,000. Engrs. est. about $45,000.

Tex., Memphis — Hall Co., grading and bridging 11.57 mi. State Highway 5, Federal Aid Project 438-F, 26 ft., from McClung Constr. Co., Cleburne, $63,792. Engrs. est. $70,000.

Tex., Plainview—Hale Co., brick paving approximately 25,000 sq.yd. various streets, to Jordan Constr. Co., Plainview, $97,525. Engrs. est. $100,000.

Tex., San Antonio — Bexar Co., 1 in. natural rock asphalt topping 74,455 sq.yd. Somerset and Palo Alto Rds., to Colglazier & Hoff, 922 Austin St., $0.54½ sq.yd. Noted Aug. 20.

Okla., Guthrie — Grading, curbing and vertical fibre brick surfacing 1,000 sq.yd. and concrete surfacing 4,700 sq.yd. Cleveland, Drexal, Oklahoma and 11th Sts., to B. Brooks, Tonkaw, $31,188. Engrs. est. $32,167. Noted Sept. 3.

Washington—State Hy. Dept., Olympia, clearing, grading, etc. approximately 4.94 mi. State Rd. 1, King Co., and 7.45 mi. State Rd. 21, Kitsap Co., to F. McLelland, 1720 16th St., Seattle, $86,511 and $74,463 respectively; gravel surfacing, etc. 2.81 mi. State Rd. 9, Jefferson Co., to K. L. Goulter & Co., 607 Cherry St., Port Angeles, $77,227. Grand total $238,201.

Wash., Shelton—City Clerk, 6 in. concrete paving 17,500 sq.yd. Main St. et al., to Shelton Paving Co., Shelton, at $1.80 per sq.yd., total $57,232.

Oregon — State Hy. Dept., Salem, to Baker Scharschmuth Co., Baker, improving 6.15 mi. Roosevelt Highway, Lane Co., 95,000 cu.yd. excav. at $0.245 per cu.yd., 53,000 sta.yd. overhaul $0.02, 13,500 cu.yd. clay surfacing, etc. $1.50, total $55,732; to Ryberg McHugh Co., Boise, Idaho, improving 12.45 mi. Baker-Unity Highway, Baker Co., 47,300 cu.yd. earth excav. $0.25, 65,300 cu.yd. loose rock excav. $0.45, 65,400 cu.yd. solid rock excav. $0.95, 80,000 ft. lumber, etc. $45, total $130,764.

New Mexico—State Hy. Dept., Santa Fe, to Veater, Davis Amesburg & Dudley, El Paso, Tex., grading and one course gravel surfacing 4.696 mi. Federal Aid Project 121-A, Cocoro Co. $99,824, 12.06 mi. Ellwood-Alvarado Rd., Federal Aid Project 106-B, Otera Co., $119,295; and grading, bridging and gravel surfacing 17.02 mi. Carlsbad-Malaga Rd., Federal Aid Project 131-A, Eddy Co. $109,021. Grand total $328,140. Noted July 16.

Calif., Chico—Paving approximately 63 streest, south of 5th St. and east of Main St., to J. E. Johnson, Stockton, $195,600. Noted July 30.

Que., Montreal—City, 125,000 cu.ft. curbstone, to Western Constr. Co., 28 Royal Ave., $87,186; also 200,000 gal. oil for use in asphalt plant, to J. Elie, 392 Hibernia Rd., $25,000.

Ont., Fort Erie—Curbing, guttering and asphalt on concrete paving 20,000 sq.yd. various streets, to Brennan Paving Co., 400 Gage Ave. N., Hamilton, $86,000. Engrs. est. $80,000.

Ont., Toronto—To Grant Contg. Co. Ltd., 47 Wellington St. E., asphalt and concrete paving Woburn Ave. $14,096, Bedford Park Ave. $14,023, Burnaby Blvd. $2,461, Willowbank Blvd. $3,096, and Oriole Parkway $3,116. Grand total $36,792.

Ont., Toronto—York Twp., curbing, guttering and bitulithic concrete paving Vaughan Rd., to Warren Bituminous Paving Co. of Ontario, 54 University Ave. $180,253.

Ont., Weston — Curbing, guttering and bituminous penetration paving 10,000 sq.yd. Queens Dr., King, Pine and John Sts. to Constructing & Paving Co., Ltd., Confederation Life Bldg., Toronto, $49,018.

Buildings—Industrial

PROPOSED WORK

Mass., Gardner—REPAIR and SERVICE —S. Bajonski, having plans prepared by A. J. Smith, 142 Lunenberg St., Fitchburg, 2 story, 85 x 100 ft., rein.-con., brick and steel. $85,000.

Mass., Watertown—PLANT—Amer. Soda Fountain Co., 282 Congress St., Boston, having preliminary plans prepared brick factory, here. To exceed $40,000. Monks & Johnson, 99 Chauncy St., Boston, engrs.

N. J., Lambertville — PAPER PLANT — Poquonock Bag & Paper Co., plans plant. $100,000. Engineer and architect not selected.

Pa., Homestead—STORAGE—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, having plans prepared 1 story, 50 x 110 ft., steel and concrete, here. $150,000. Carnegie Land Co., Frick Annex, Pittsburgh, engrs. Noted June 11.

Pa., New Brighton — FACTORY — Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, takes bids about Sept. 26, 4 story and basement, 50 x 95 ft., rein.-con. and steel addition. B. H. Prack, Martin Bldg., Pittsburgh, engr. Noted Aug. 27.

N. C., Charlotte — POWER PLANT — Southern Power Co., 432 South Church St., plans 80,000 hp. emergency steam power plant, probably on Catawba River. W. S. Lee, 433 East Morehead St., Charlotte, engr.

N. C., Morganton — FACTORY — Table Rock Furniture Co., plans new factory. $200,000.

La., New Orleans—SAW MILL—Higgins Lumber & Export Co., Maison Blanche Annex, plans saw mill for mahogany and pine wood, and later cypress mill, on Navigation Canal.

La., New Orleans—PLANT—Lukens Steel Co., 626 South Peter St., plans enlarging plant, on 10 acre site, on Navigation Canal.

O., Alliance—FACTORY—Alliance Steel Products plans 1 story, 70 x 100 ft., steel, northeast of here, on New York Central R.R. tracks. $50,000.

O., Amherst — STONE MILL—Cleveland Stone Co., C. W. Walters, pres., Union Trust Bldg., having plans prepared by G. S. Rider & Co., Century Bldg., Cleveland, 1 story stone mill, steel. $75,000.

O., Cleveland — GARAGE and WAREHOUSE — City, H. C. Wright, dir. Pub. Utilities, City Hall, having plans prepared by H. Kregelius, 604 City Hall, 2 story and basement, brick and rein.-con., 2490 West 41st St. $100,000.

O., Coshocton — FACTORY — Beach Enameling Co., had plans prepared 1 story, 60 x 146 ft. addition. $55,000. Private plans.

Mich., Detroit — FACTORY — Ford Motor Co., Highland Park, having plans prepared by A. Kahn, 1000 Marquette Bldg., 2 story, 67 x 851 ft., rein.-con. and brick addition, to "Lincoln" auto plant, plain foundation, Livernois Ave.

Mich., Detroit—STOCK BUILDING, etc. —Hudson Motor Car Co., East Jefferson Ave., having plans prepared by A. Kahn, 1000 Marquette Bldg., 1 story, 157 x 239 ft. addition to auto plant incl. addition to stock building and craneway, Jefferson Ave. $50,000.

Ill., Centralia — FACTORY — St. Clair Fdry. Co. making preliminary plans 1 and 2 story, brick and concrete foundry. $40,000.

Ill., Elgin—FACTORY—Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, take bids about Oct. 1, 1 and 2 story and basement, 65 x 300 ft., rein.-con. and brick addition, for Elgin Clock Co., $150,000.

Ill., Woodriver—REFINERY—Standard Oil Co. of Indiana, C. B. Manbeck, gen. mgr., soon takes bids 6 units of Holmes-Manley pressure pipe stills and additions to paraffin factory. $1,250,000.

Tex., Dallas — CLEANING PLANT — Oriental Rug & Carpet Cleaning Co., c/o H. M. Amirkham, 3907 Ross Ave., having plans prepared by Sadler & Russell, 507 Melba Bldg., 1 story, 38 x 99 ft. to carry 1 additional story and 2 story, 22 x 74 ft., brick or tile and rein.-con. $45,000.

Tex., Luling—POWER PLANT—United North & South Oil Co., plans power plant and generate own electricity, etc. $500,000. Private plans.

Okla., Ponca City—BOILER PLANT—Marland Oil Co., W. Marland, pres., Lewis St. and Frisco R.R. tracks, Tulsa, plans new boiler plant, 4 additional 550 hp. water tube boiler addition to water feed plant, 30,000 gal. settling tank and 2 additional filters. $250,000.

Okla., Tonkawa — PLANT — City having preliminary plans prepared (3 unit), 1,000 hp. Diesel oil engine electric light plant. $150,000. Engineer and architect not selected.

Calif., Los Angeles — MILL and FACTORY—J. H. Jonas, 5841 Park Ave., had plans prepared by Stromwell & Halperin, 1007 South Grand Ave., 5 story 100 x 200 ft. factory, 2 story 100 x 180 ft. mill, and 1 story, 50 x 80 ft. store building, all rein.-con. and brick, 5843 Park Ave. $325,000.

BIDS DESIRED

Mass., Andover—REPAIR and SERVICE —See "Contracts Awarded."

Mass., Belmont (Boston P. O.) — SUBSTATION—R. T. Broderick, ch. Bd. Selectmen, taking bids 2 story and basement, 35 x 45 ft. electric sub-station rein.-con. and brick, $75,000. F. B. Galaher, 276 Stuart St., Boston, engr. Noted Sept. 17.

Mass., Lawrence—REPAIR SHOP—O. F. Kres Co., 102 Concord St., taking bids 1 story, rein.-con. and brick, Concord St. $40,000. Ashton, Huntress & Alter, 477 Essex St., archts.

Mass., Woburn—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

R. I., Providence — REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Ga., Savannah — STORAGE WAREHOUSE—See "Contracts Awarded."

O., Ashtabula — FACTORY — Ashtabula Bow Socket Co., taking bids 1 story and basement, 40 x 100 ft., brick and steel factory. $40,000. Private plans.

Kan., Wichita—ICE PLANT—See "Contracts Awarded."

BIDS RECEIVED

O., Findlay—FACTORY—Bucke, Traction Ditches Co., 1 story and basement, 120 x 141 ft. factory, from Alge Bros. Co., Ewing Bldg., about $41,000.

CONTRACTS AWARDED

Mass., Andover—REPAIR and SERVICE GARAGE—J. F. McDonough, 32 Park St., will build 1 story, rein.-con. and brick, by day labor. $100,000. H. Petzol, Bay State Bldg., Lawrence, archt.

Buildings—Industrial (Continued)

Mass., Cambridge (Boston P. O.) — REPAIR and SERVICE GARAGE—J. B. Johnson, Rindge Ave., 1 story, 75 x 100 ft., rein.-con., to Patterson & Fox, 251 Portland St. Archts. est. $75,000.

Mass., Dorchester (Boston P. O.) — REPAIR and SERVICE GARAGE—Dept. Pub. Wks., Boston, 1 story, rein.-con., brick and stone, Hancock St., here, to J. A. Singerella, 110 High St., Boston, $49,250. Noted Aug. 20.

Mass., Everett (Boston P. O.)—PLANT—Jackson Door & Window Co., 95 Canal St., Boston, altering and constructing 2 story, rein.-con. and steel addition, to Clark & Lee Co., 77 Summer St., Boston. Archts. est. $40,000. Noted Sept. 3.

Mass., Woburn—REPAIR and SERVICE GARAGE — Woburn Development Co., 246 Washington St., Boston, will build 1 story, 83 x 204 ft., rein.-con. and brick. $75,000. Work will be done by separate contracts. S. S. Levy, 35 Court St., Boston, archt.

R. I., Providence — REPAIR and SERVICE GARAGE — S. Gordon Melrose and Thackley Sts., will build 1 story, rein.-con. by day labor. $50,000.

Conn., Bristol — FACTORY — Root Co., Church St. extension, 4 story, 55 x 125 ft., brick and steel addition, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $125,000. Noted Sept. 17.

N. Y., Brooklyn—PACKING HOUSE—H. C. Bohack, Inc., Metropolitan Ave., rein.-con., brick and steel, plain foundation, to E. T. Warwick, 108 South 8th St. Archts. est. $350,000.

N. J., Jersey City — FACTORY — Manhattan Electrical Supply Co., 17 Park Pl., New York City, 6 story, rein.-con., brick and steel, plain foundation, Monitor St., to J. Mitchell, Inc., 999 Bergen Ave.

Pa., Latrobe—STEEL PLANT—Latrobe Electric Steel Co., general contract 1 story, 60 x 400 ft. addition, to Fort Pitt Bridge Wks., Oliver Bldg., Pittsburgh. Archts. est. $100,000. This corrects report in Sept. 17 issue.

Pa., Nazareth—FOUNDRY—Bates Valve Bag Co., 8200 South Chicago Ave., Chicago, Ill., 1 story, 90 x 200 ft., brick, here, to Hughes-Foulkrod Co., 421 7th Ave., Pittsburgh, $50,000.

Pa., Parnassus—DAIRY PLANT—Keystone Dairy Co., general contract 1 story and basement, 45 x 120 ft., 6th Ave., to Croyle & Beck, New Kensington. Archts. est. $40,000.

Pa., Phila. — MANUFACTURING — Heintz Mfg. Co., Front and Olney Sts., 3 story and basement, 70 x 200 ft., rein.-con. and brick addition, plain foundation, here, to F. Newberry Co., Otis Bldg.

La., Shreveport—ROUNDHOUSE—Texas & Pacific Ry., E. F. Mitchell, ch. engr., 1003 Texas & Pacific Bldg., Dallas, Tex., 8 stall roundhouse, machine and blacksmith shops, car repair sheds, office, etc., here, to V. E. Ware, 1614 East Missouri St., El Paso, Tex. Engrs. est. $200,000. Noted July 16.

Ga., Savannah — STORAGE WAREHOUSE — Savannah Sugar Refining Co., Port Wentworth, will build 2 and 3 story, 120 x 260 ft., rein.-con and steel storage warehouse, plain foundation, by day labor. $60,000. B. O. Sprague, 105 E. 37th St., archt. and engr. Noted Aug. 27.

Tenn., Chattanooga — FOUNDRY, etc. — Crane Enamelware Co., 1316 Chestnut St., 180 x 228 ft. foundry, and 60 x 360 ft. grinding building, at plant, to Moudy & Co., James Bldg. Archts. est. $750,000. Noted Aug. 27.

O., Lorain—FACTORY—J. Spang Bakery Co., J. Spang, pres., 2701 Barber Ave., Cleveland, 1 story, 70 x 100 ft., brick and steel, to L. A. Burgett Co., Lorain. Archts. est. $40,000. Noted Sept. 3.

Ill., Rockford—FACTORY—Howard Banner Co., general contract 2 story and part basement, 46 x 151 ft., brick and flat slab, to Security Building Corp., 1016 Charles St., Rockford, $31,000.

Wis., Ashland — PAPER MILL — Lake Superior Paper Co., R. Meyer, mgr., remodeling 2 story paper mill, brick and concrete, to Fluor Bros. Constr. Co., 52 Otter St., Oshkosh. Archts. est. $45,000.

Wis., Milwaukee — FACTORY — W. H. Devos Co., 3115 Auer Ave., 2 story, 40 x 75 ft., and 20 x 50 ft., rein.-con., plain foundation, Auer Ave., to H. R. Mayer, 1279 36th St. Archts. est. $25,000.

Wis., Pardeeville — CANNERY—Pardeeville Canning Co., 1 story, 50 x 160 ft., brick and tile, plain foundation, to J. C. Dreblow, Pardeeville. Archts. est. $40,000.

Wis., Milwaukee — COLD STORAGE — Dick & Bauer, archts., 811 State St., 1 story and basement, 52 x 100 ft., rein.-con. and brick, plain foundation, 5th St., to Jahns & Knuth Co., 1915 Chestnut St., for Fiebrantz Comn. Co., 370 5th St. Archts. est. $40,000. Noted Sept. 3.

Ia., Burlington—POWER PLANT—Iowa Southern Utilities Co., Centerville, rein.-con. and brick power plant, here, to Nebergall & Sons, Burlington. Engrs. est. $200,000.

Minn., Minneapolis—BUTTER FACTORY —Northwestern Terminal Co., 1232 1st Natl. Soo Line Bldg., general contract 2 story and basement, 100 x 400 ft., rein.-con., brick and stone, Terminal Dist., to Pike & Cook, 416 South 5th St. Archts. total cost about $300,000. Minnesota Co-operative Creamery Assn., Hampden Ave. and Charles St., St. Paul, lessee. Noted July 30.

Kan., Leavenworth — FACTORY—Abernathy Furniture Co., 1513 West 9th St., Kansas City, Mo., 4 story and part basement, 80 x 300 ft., rein.-con., brick and steel factory, 53 x 103 ft. fire-proof power house, compartment dry kiln and lumber sheds, to J. G. Barnes, Leavenworth.

Kan., Wichita — ICE PLANT etc. — Independent Ice & Cold Storage Co., 434 North Wichita St., will alter present buildings into 60 x 110 ft. ice and cold storage plant 30 ft. high, brick and steel, and 1 story, 60 x 110 ft., cement stone machinery plant, Central and Missouri Pacific, by day labor. Private plans.

Mo., St. Louis — MEDICINE PLANT — J. H. McLean Medical Co., 3120 Franklin Ave., 2 story and basement, 35 x 135 ft., brick and concrete addition, to Chapline Constr. Co., Wainwright Bldg. Archts. est. $50,000.

Mo., Warrensburg — COLD STORAGE PLANT — Roseland Farm & Mfg. Co., 2 story, rein.-con. and brick, to C. L. Johnson, Warrensburg. Archts. est. $45,000. Noted Aug. 6.

Calif., Los Angeles—CREAMERY—Sanitary Gold Metal Creamery, 142 East Jefferson St., 3 story, 130 x 140 ft., rein.-con., 103 South Hamel St., to M. H. Foley, 946 Windsor Blvd., $90,000.

Ont., Campbellford — Quinte & Trent Valley Power Co., general contract 1,000 hp. single vertical unit hydro-electric plant, to J. J. McNab, Trenton; for 900 kva. generator, to Swedish Genl. Electric Co., 107 Duke St., Toronto, Ont.; 1,000 hp. turbine, to W. Hamilton Co., Ltd., Peterborough. Engrs. est. $100,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — THEATER — I. Sonnabend, 213 Hanover St., having plans prepared by J. A. Tuck, 439 Park Sq. Bldg., 1 story, 100 x 125 ft., brick and cast stone, Hanover St. $150,000.

Mass., Brookline (br. of Boston) — APARTMENT — Eleven-Ninety Beacon St. Trust, c/o C. Newhall, 73 Tremont St., Boston, having plans prepared by H. A. Perkins, 5 Joy St., Boston, 8 story and basement, 28 x 160 ft., brick and steel apartment, here. $250,000.

Mass., Cambridge (Boston P. O.) — BANK and OFFICE—Central Trust Co., W. G. Davis, pres., 599 Massachusetts Ave., having sketches made by Monks & Johnson, 99 Chauncy St., Boston, 5 story and basement, brick and stone, 513 Massachusetts Ave. $750,000. Noted April 23.

Mass., East Boston (Boston P. O.) — ARMORY—State Armory Comn., Boston, plans armory, here. To exceed $150,000. Engineer and architect not selected.

Mass., Lowell—STORE—E. A. J. Simpson, 238 Central St., having preliminary plans prepared by H. P. Graves, Washington Bank Bldg., 5 story and basement, 65 x 200 ft., brick, Central St. $350,000.

Mass., Roxbury (Boston P. O.) — HOSPITAL — Beth Israel Hospital, 45 Towsend St., having plans prepared by Densmore, LeClear & Robbins, Park Sq. Bldg., Boston, Ward Building, 7 story and basement, 42 x 186 ft., brick and limestone, Brookline Ave. To exceed $150,000.

Mass., Worcester—NURSES HOME—Worcester Memorial Hospital having plans prepared by Fuller & Delano, archts., 44 Front St., and Kendall Taylor Co., consult. archts., 142 Berkeley St., Boston, 4 story, brick and steel, Belmont St. $150,000.

R. I., Providence—BUSINESS—Bodell & Co., 10 Weybosset St., having preliminary plans prepared by Jackson, Robertson & Adams, 1216 Turks Head Bldg., remodeling building at 26 Custom House St. $150,000.

R. I., Providence — STORE and BANK BUILDING — R. M. Dobbins, Natl. Union Bldg., having sketches made by T. J. H. Pierce, Inc., 30 Allens Ave., 2 story and basement, 60 x 80 ft., and 50 x 80 ft., brick, store and bank building. $150,000.

R. I., Providence—THEATRE, etc.—J. Conn, Conn's Theatre, Weybosset St., having plans prepared by J. Hill Pierce, Inc., 30 Allens Ave., brick and steel theatre, business building and 125 car garage. $500,000. Former bids rejected. Noted Sept. 17.

Conn., Hartford—CLUB HOUSE—Hartford Saengerbund, c/o P. Stoeckel, Pres., Wells St., plans 2 or 3 story, brick, Washington St. $150,000 or more. G. Zunner, 182 High St., archt.

Conn., Manchester — APARTMENT — Richards & Anderson, South Manchester, having plans prepared by Smith & Bassette, 36 Pearl St., 3 story and basement, 70 x 110 ft., Park St. $150,000.

N. Y., New York — APARTMENT — Owner, c/o G. Nordham, archt. and engr., 18 West 34th St., having plans prepared 6 story, brick, steel and stone, plain foundation, 204th St. and Nagle Ave. $400,000.

N. Y., New York — CLUBHOUSE — Natl Town & Country Club, 17 East 42nd St., soon takes bids 26 story clubhouse, Lexington Ave. and 48th St. $6,000,000. G. B. Post & Sons, 101 Park Ave., archts. and engrs. Noted Nov. 20.

N. Y., New York—THEATRE and OFFICE—F. Ziegfeld & W. R. Hearst, 214 West 42nd St., soon take bids brick, steel and stone, plain foundation, 8th Ave. and 56th St. $2,000,000. T. W. Lamb, 644 8th Ave., archt.

Pa., Pittsburgh — Y. M. C. A., Magee Bldg., having plans prepared by R. M. Trimble, Ferguson Bldg., 4½ story and basement, 60 x 170 ft., brick and steel, North Ave. and Monterey St. $250,000. Noted Apr. 23.

Md., Baltimore—CLUB—City Club, c/o J. M. Chapman, pres., Southern Hotel, having plans prepared by C. N. and N. Fritz, Lexington Bldg., 6 story and basement, brick, plain foundation, St. Paul and Saratoga Sts. $400,000. H. F. Doeleman, 507 North Charles St., engr.

N. C., Charlotte—BANK and STORE — Lockwood, Greene & Co., engrs., Piedmont Bldg., Charlotte, and 24 Federal St., Boston, Mass., soon takes bids 20 story bank and office building, here, for First Natl. Bank, 20 South Tyron St. $1,000,000. L. F. Ashbury, Charlotte, associated archt. Noted Apr. 9.

La., New Orleans—THEATRE—Saenger Amusement Co., Tulane and Liberty Sts., having plans prepared by E. Weil, archt. and engr., Whitney Bldg., 2 story and basement, brick, stone and rein.-con., plain foundation, Canal and Rampart Sts. $2,000,000.

La., Shreveport—APARTMENT—Wittenberg, Deloney & Watts, Southern Trust Bldg., Little Rock, Ark., postponed indefinitely construction 7 story and basement apartment, Elizabeth Pl. and Margaret St., here. $500,000. Noted May 14.

Tenn., Knoxville — HOTEL — Dooley-Gillespie Realty Co., Deaderick Bldg., had preliminary plans prepared by A. B. Bauman, Chattanooga, for Tennessee Terrace Hotel, 17 story. $1,500,000.

O., Cincinnati — HOSPITAL — Deaconers Hospital, Clifton Ave., having plans prepared by S. Hannaford & Sons, 1024 Dixie Terminal Bldg., 4 story and 2 basements, 80 x 100 ft., rein.-con. and brick, plain foundation, Clifton Ave. $300,000.

O., Cleveland—APARTMENT HOTEL—M. Arnoff, 420 Leader News Bldg., had plans prepared by G. Rudolph, 3922 Trumbull Ave., 6 story and basement, 70 x 170 ft., brick and concrete, East 86th St. and Euclid Ave. $400,000.

O., Cleveland — CLUB HOUSE and APARTMENT—Republican Womens Club of Ohio, c/o S. M. Jacobi, Statler Hotel, having plans prepared by W. S. Ferguson Co., 1900 Euclid Ave., 4 story and basement, brick, East 93rd St. and Euclid Ave. $200,000.

O., Columbus — RESTAURANT and STORE ROOM—M. Love Co., 112 East Broad St., having plans prepared by Howell & Thomas, 4500 Euclid Ave., Cleveland, 2 story and basement, 61 x 187 ft., brick, steel and concrete, East Broad St. $175,000.

Mich., Detroit — LODGE — Detroit Elks Building Assn., J. Boner, chn. building com., Lafayette Bldg., soon takes bids 5 story, 130 x 160 ft., brick, steel and concrete club and temple, Lafayette Blvd. $1,500,000. Weston & Ellington, 1507 Storh Bldg., archts.

Mich., Negaunee — COMMUNITY — Defeated $150,000 bonds, erecting new community house or remodeling present one. Noted Aug. 27.

Ill., Champaign — APARTMENT — G. J. Gallivan, c/o O. K. Burton & Co., 612 East Green St., plans 3 story and basement, rein.-con., brick and stone apartment building.

Ill., Chicago—CLUB—Midland Club, 25 East Jackson Blvd., receiving competitive plans 25 story, basement and sub-basement, 90 x 189 ft., rein.-con., brick and steel, caisson foundation, 168-178 West Adams St. $4,000,000-$4,500,000. Noted Apr. 2.

Buildings—Commercial (Continued)

Ill., Chicago—HOTEL and CLUB—Hall, Lawrence, Ribbel & Ratcliffe, archts., 123 West Madison St., take bids about Jan. 1. 14 story and basement, 127 x 180 ft., rein.-con. and brick, Stoney Island Ave. and Marquette Rd., for Calumet Building Corp., representing Calumet Council Knights of Columbus, 6302 Cottage Grove Ave. $2,750,000.

Ill., Itasca — CLUB — Nordic Country Club, having plans prepared by Hall, Lawrence, Rippal & Ratcliffe, 123 West Madison St., 2 story and basement, 56 x 210 ft., brick, plain foundation. $175,000.

Mo., St. Louis—APARTMENT—Housam Realty Co., International Life Bldg., takes bids about Nov. 1, 6 story and basement, 52 x 100 ft., rein.-con., brick and stone, McPherson and DeBaliviere Sts. $250,000. N. B. Howard, International Life Bldg., archt.

Mo., St. Louis—HOSPITAL—St. Louis Maternity Hospital, 4518 Washington Blvd., soon takes bids 8 story and basement, rein.-con., brick and stone, Kingshighway. $500,000. LeBeaume & Klein, Compton Bldg., archts.

Mo., St. Louis—OFFICE and THEATRE—Local Syndicate, c/o Weisels Gerhart Real Estate Co., 8 Chestnut St., purchased site and plans 20 story and basement, 109 x 120 ft., rein.-con., brick, stone and steel, caisson foundation, 11th and Pine Sts. $5,000,000.

Wash., Seattle — THEATRE — F. J. Peters, archt., Pantages Bldg., takes bids about Nov. 8, 100 x 354 ft., Spanish design, concrete, steel and stucco, Bway. and Harrison St., for Greater Theatres Co., Pantages Bldg. $500,000. Noted June 25.

BIDS DESIRED

Mass., Brookline (Boston P. O.) — APARTMENTS—See "Contracts Awarded."

Mass., Cambridge (Boston P. O.) — APARTMENT—Wendell Gardens Court, Inc., c/o Derby & Robinson, archts., 5 Joy St., Boston, taking bids 4 story and basement, 90 x 120 ft., brick and stone, 12 Weddell St. $250,000. Noted Sept. 3.

Mass., Lawrence—MERCANTILE—See "Contracts Awarded."

Mass., Lynn—TEMPLE—Temple Bethel, H. Yozel, pres., c/o G. A. Cornet, archt., 10 Central Ave., taking bids 1 story and basement, 65 x 80 ft., brick and stone, Breed and Lewis Sts. $150,000.

Mass., Waltham—STORE and OFFICE—See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., North Tarrytown (Ind. br. Tarrytown)—BATH HOUSE—Oct. 6, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, bath house at Kingsland Point, here. J. Downer, ch. engr.; adv. E. N.-R. Sept. 24.

N. J., Atlantic City—HOTEL—Sept. 25, by W. M. Stanton, archt., 1524 Chestnut St., Phila., Pa., 7 story, 50 x 50 ft., brick and steel addition, plain foundation, here, for H. S. Hamilton, Pacific St. and Park Pl.

N. J., New Brunswick—CITY HALL—Oct. 6, by City Comn., 2 story, 101 x 225 ft., brick, stone and steel city hall. A. Merchant, W. H. Boylan & H. G. Bach, Elm Row, archts.

Pa., Phila.—BANK and OFFICE—See "Contracts Awarded."

Ala., Mobile—THEATRE—Sept. 29 (extended date), by E. Weil, archt., Whitney Bldg., New Orleans, La., 1 story and balcony, 3,500 seating capaciyt, rein.-con. and steel, here, for Saenger Amusement Co. $750,000. Noted Sept. 10.

La., New Orleans—OFFICE, etc.—Sept. 28, by R. Debuys, archt. associated with J. G. Landry & A. Theard, archts., Hibernia Bank Bldg., 3 story, rein.-con., brick and terra cotta office and filling station, St. Charles St. and Lee Circle, for Texas Oil Co., Whitney Bldg.

Ill., Evanston—APARTMENT—See "Contracts Awarded."

Ill., Evanston—TEMPLE—Oct. 1, by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, 2 story, 70 x 150 ft., Bedford stone, plain foundation, Lake St. and Maple Ave., here, for Masonic Lodge of Evanston. $400,000.

Kan., Ft. Scott—TEMPLE—Sept. 29, by Scottish Rite Masons, c/o W. Buzzard, secy., 3 story and basement, 100 x 120 ft., rein.-con., brick and stone. W. T. Schmidt, 1634 West 10th St., archt. Noted May 5.

Mo., Springfield—THEATRE—See "Contracts Awarded."

Tex., Falfurrias—BUSINESS—See "Contracts Awarded."

Calif., Richmond—HOTEL—Sept. 30, by J. W. Plachek, archt., Mercantile Trust Co., Berkeley, 5 story hotel, Nevin Ave. and 10th St. $200,000. Owner's name withheld.

BIDS RECEIVED

Mass., Waltham—CITY HALL—City, H. T. Beale, mayor, 2 story and basement, 65 x 105 ft., limestone and granite, Common St., from J. M. Hartwell, 46 Cornhill St., Boston, $249,545. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Noted Aug. 27.

Mass., Worcester—HOSPITAL—W. A. Merrill, bus. agt., 1 story and basement, 40 x 80 x 96 x 150 ft., brick and stone, dining room addition to State Hospital for Mental Diseases, Summer St., from Fuller Constr. Co., 31 Milk St., Boston, $145,550. Noted Sept. 10.

N. Y., Skillman—STAFF HOUSE, etc.—Dept. Institutions & Agencies, Trenton, Sept. 14, 30 x 107 ft. staff house, 30 x 91 ft. nurses home, 29 x 38 ft. doctors home, and repairing 3 cottages, at New Jersey Village for Epileptics, here, from C. J. Smith Constr. Co., 3204 Academy St., Trenton, $250,000.

N. J., Trenton — INFIRMARY and RECEPTION — State Home, 3 story and basement, brick and steel, general contract reception building, from T. M. Day & Son, Day Bldg., $103,157; general contract for infirmary, from C. J. Smith Constr. Co., 204 Academy St., $49,208.

N. J., Westfield—ARMORY—State Military Bd., Trenton, 22 x 140 ft., brick and steel armory, here, general contract from Sobray & Whitcomb, 105 West 40th St., New York City, $143,011. Archts. est. $164,524.

Wis., Milwaukee — HOSPITAL — Dept. Pub. Wks., 2 story and basement, 45 x 270 ft., brick and concrete addition, Mitchell Ave., masonry and concrete work from Universal Contg. Co., 915 Chestnut St., $43,677; carpentry work, from C. Luenzmann, 629 51st., $25,775. Noted Sept. 3.

Mo., St. Louis — MORGUE — Bd. Pub. Serv., 208 City Hall, Sept. 15, 1 and 2 story, 88 x 130 ft., rein.-con., brick and stone, Clark Ave., from W. Mac Donald Constr. Co., Syndicate Trust Bldg., $239,246. Noted Aug. 20.

Calif., Norwalk—HOSPITAL—State Dept. Pub. Wks., Sacramento, general contract Receiving and Treatment Buliding, at state hospital, here, from Witt & Chute, 2516 West Santa Barbara Ave., Los Angeles, $146,287; mechanical work, from Latoutette-Fical Co., 2612 9th St., $27,000. Noted July 2.

CONTRACTS AWARDED

Mass., Brookline (Boston P. O.) — APARTMENTS—E. Kaplan, 1140 Commonwealth Ave., will build two 3 story and basement, brick and stone, Winchester St., by day labor, under supervision of Silverman, Brown & Heenan, archts., 51 Cornhill St., Boston. $150,000.

Mass., Cambridge (Boston P. O.) — THEATRE—College House Trust, c/o C. A. Newhall, 73 Tremont St., Boston, 1 story, 50 x 100 ft., brick and stone, plain foundation, Harvard Sq., to J. M. and C. J. Buckley Co., Inc., 164 Federal St., Boston. Archts. est. $150,000. Noted Aug. 6.

Mass., Lawrence — MERCANTILE — Franklin Associates, c/o Ashton, Huntress & Alter, archts., 477 Essex St., will build 4 story and basement, brick and steel, Essex St. $150,000. Work will be done by separate contracts.

Mass., Waltham (Ind. br. of Boston) — STORE and OFFICE—Green Bros., 31 Hazelton St., Dorchester, will build 2 story and basement, 80 x 100 ft., brick and cast stone, here, by day labor. $150,000. S. S. Levy, 35 Court St., Boston, archt.

Mass., Waltham (Ind. br. Boston) — MUNICIPAL—City, H. T. Beale, mayor, 2 story and basement, 75 x 105 ft., brick and steel, Main and Elm Sts., to J. M. Hartwell, 46 Cornhill St., Boston, $249,545.

Mass., Worcester—BUSINESS—H. Steinberg, c/o E. W. Norton, archt., 44 Pearl St., 4 story, 68 x 100 ft., brick and steel, Elm St., to H. Wales Lines Co., 134 State St., Meriden, Conn. Archts. est. $150,000. Noted Apr. 30.

Mass., Worcester — THEATRE and OFFICE — B. I. Coonen, 6 Tahanto Rd., 1 and 2 story and basement, brick and stone, Franklin and Porter Sts., to Central Building Co., 58 Front St. Archts. est. $150,000. Noted Aug. 6.

Conn., New Haven — THEATRE — Yale University, G. P. Baker, professor, 2 story, brick and steel theatre, to Sperry & Treat Co., 30 Church St. Archts. est. $1,000,000. Noted April 9.

N. Y., New York — APARTMENT — J. Kovacs, c/o Margon & Glaser, archts., 2804 3rd Ave., brick, steel and stone, plain foundation, 10 West 47th St., to Shroder & Koppel, 347 Madison Ave. Archts. est. $400,000.

N. Y., New York—APARTMENT—J. F. Faiella, 155 West 72nd St., will build 16 story, brick, steel and stone, plain foundation, 1021 6th Ave. $1,000,000. Work will be done by separate contracts. R. Candela, 200 West 72nd St., archt. and engr.

N. Y., New York—APARTMENTS—S. J. Goshen, 1343 Boyton Ave., will build three 6 story, brick and stone, plain foundations, Macombs Rd. and 175th St. $350,000 each. Work will be done by separate contracts under supervision of owner. Engineer and architect not selected.

N. Y., New York—OFFICE—W. A. R. Realty Co., c/o E. Roth, archt., 119 West 40th St., 20 story, 27 x 115 ft., brick, steel and stone, plain foundation, 5 East 57th St., to D. P. Robinson, 125 East 46th St.

Pa., Phila.—BANK and OFFICE—Mastbaum Bros. & Fleishman, 1424 South Penn Sq., will build 6 story and basement, 43 x 145 ft., rein.-con., brick and steel, plain foundation, 1600 Chestnut St., by day labor. $500,000. Hoffman-Henin Co., Finance Bldg., archts.

Pa., Phila.—HOME—H. Castor, archt., St. Girard Bldg., 5 story and basement, 37 x 119 ft., rein.-con. and brick, plain foundation, Benslaem Ave. and Hoffnagle St., to Irwin & Leighton, 126 North 12th St., for Baptist Home of Phila., 16th and Norris Sts. Archts. est. $300,000. Noted Sept. 3.

La., New Orleans—THEATRE—E. Weil, archt., Hibernia Bank Bldg., theatre, Washington and Broad Sts., to C. Gilbert, Balter Bldg., for New Central Enterprises, Saenger Bldg., Tulane Ave.

O., Lakewood (Cleveland P. O.)—SALES, SERVICE and GARAGE—Bailey-Buick Co., C. A. Bailey, pres., 17602 Detroit Ave., 1 story, 48 x 55 x 62 x 220 ft., brick, steel, and concrete, Detroit Ave., to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $150,000.

O., Toledo—HOTEL—Commodore Perry Hotel Co., 17 story and basement, 120 x 247 ft., Jefferson Ave., to H. J. Spieker Co., Nashby Bldg. Archts. est. $2,500,000.

Mich., Eloise—HOSPITAL—Wayne Co., office supt. of Poor, City Serv. Bldg., Detroit, 3 story and basement, 140 x 244 ft., rein.-con., brick and steel, plain foundation, Michigan Ave., here, to Rosewarne, McNabb & Worswick, 333 State St., Detroit. Archts. est. $175,000. Noted Aug. 20.

Ill., Chicago—APARTMENT HOTEL—H. Gimpel, c/o McNally, Quinn & Co., archts., 10 South La Salle St., 8 story, 50 x 150 ft., rein.-con., brick and stone, 5858-60 Kenmore Ave., to H. Janisch, 1813 Minona St. Archts. est. $475,000.

Ill., Chicago—THEATRE, OFFICE and STORE—Asher Bros., 509 South Wabash Ave., general contract 4 story, 128 x 194 ft., rein.-con., brick and steel, 4042-4046 Sheridan Rd., to R. Sollitt & Sons, 5 North La Salle St. Archts. est. $1,000,000. Noted Aug. 20.

Ill., East St. Louis—WAREHOUSE and GARAGE — Standard Oil Co., 400 East Cerro Gordo, Decatur, 1 and 2 story, 84 x 116 ft., and 80 x 200 ft., brick and concrete warehouse, garage and machine shop buildings, 14th St. and McCasland Ave., to Moore Bros. Constr. Co., 925 North 8th St. Noted Jan. 29.

Ill., Evanston — APARTMENT—McDonnell & Blietz, 6505 Sheridan Rd., will build 3 story and basement, 100 x 152 ft., brick, Sheridan Rd. between Keeney Ave. and South Blvd., also 3 story, 191 x 265 ft. apartment, Indian Boundary Park between Greenleaf and Estes Ave., $450,000, by day labor. Owners taking bids on plumbing, heating and electric work for above. J. D. Denson, 720 North Michigan Ave., Chicago, archt.

Ill., Granite City—GARAGE and SALES—Huff Motor Sales Co., 20th and Madison Sts., 2 story, 100 x 100 ft., rein.-con. and brick, to I. W. Scott, 2406 C St.

Neb., Grand Island—BANK—First Natl. Bank, 5 story and basement bank, to A. Moorman & Co., Chamber of Commerce Bldg., St. Paul, Minn., $150,000.

Mo., Kansas City—GARAGE—E. Scott, Los Angeles, Calif., 2 and 3 story and basement, 66 x 138 ft., rein.-con., plain foundation, 920 Locust St., here, to G. F. Green, 429 Pialto Bldg. $150,000. Noted Sept. 17.

Buildings—Commercial (Continued)

Mo., St. Louis — GARAGE — Lambert-Graves Motor Co., Kingshighway and Manchester St., general contract 2 story and basement, 50 x 125 ft., concrete, brick and steel, Swan St. and Kingshighway, to B. J. Charleville Building and Real Estate Co., 114 North 7th St.

Mo., St. Louis—Y. M. C. A., c/o T. Mellow, chn., 3 story and basement, rein.-con., brick and stone building, incl. gymnasium, swimming pool, bowling alleys and auditorium, etc., Loughborough and Vermont Sts., to Woermann Constr. Co., Syndicate Trust Bldg. Archts. est. $150,000.

Mo., Springfield — THEATRE — M. E. Gillioz et al., 1117 Boonville Ave., will build 1 story and basement, 94 x 118 ft., rein.-con., brick and stone, 325 St. Louis St., by day labor. $150,000. United Studios, Inc., 2110 Walnut St., Chicago, Ill., lessee. Noted Sept. 17.

Tex., Falfurrias — BUSINESS — E. C. Lasater, will build 3 story and part basement, 120 x 160 ft., rein.-con., brick and stone, plain foundation, by day labor. $150,000. Private plans.

Okla., Hollis—COURT HOUSE—Harmon Co., general contract 3 story and basement, 86 x 146 ft., rein.-con., brick and stone, to W. L. Scott, Sulphur, $93,985. Noted Aug. 20.

Okla., Ponca City—HOSPITAL—Ponca City Hospital Assn., general contract 3 story hospital, to Holmboe Constr. Co., 424 West 2nd St., Oklahoma City. Noted Sept. 3.

Calif., Los Angeles—THEATRE, STORE and OFFICE — Bard Bros., 100 Pershing Sq. Bldg., 2 story, 96 x 165 ft. theatre, and 44 x 130 ft. store and office building, 5519-33 Hollywood Blvd., to A. Bard, Union Oil Bldg., $200,000. Noted June 25.

Calif., San Diego—APARTMENT—Park Manor, Inc., 712 1st Natl. Bank Bldg., 6 story, brick apartment, to M. Trepte & Son, 1456 J St. Archts. est. $360,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Deerfield—DORMITORY—Deerfield Academy, C. Plunkett, chn. com., having preliminary plans prepared by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story dormitory. $150,000.

Mass., Fall River—SCHOOL—City, C. R. Cummings, chn. com., having sketches made by L. F. Destremps, 40 Borden Blk., Junior High School 2 story, brick, Ward 6. To exceed $150,000.

Mass., Turners Falls—SCHOOL—Town School Com. had plans prepared by Walker, Walker & Kingsbury, 120 Boylston St., Boston, 2 story and basement, brick school. $150,000.

Mass., Walpole—HIGH SCHOOL—Town, F. L. Mansur, school bd., having preliminary plans prepared by R. M. Stowell, 184 Boylston St., Boston, 2 story and basement, brick and steel high school. $300,000.

R. I., Providence — COLLEGE — Providence Roman Catholic College, having preliminary plans prepared by J. W. Donahue, 476 Main St., Springfield, Mass., new college building to supplement Bishop Harkins Hall. $400,000.

Conn., Danielson — HIGH SCHOOL — Town, F. A. Jacobs, chn., having plans prepared by Sellew & Towner, 363 Main St., Middletown, 2 story and basement, brick and steel addition of 2 wings to Killingly High School. $150,000. Noted Sept. 3.

Conn., Stamford—CHURCH and HALL—Zion Evangelical Lutheran Church, c/o G. Zunner, archt., 182 High St., Hartford, having plans prepared 1 story and basement, 50 x 90 ft. church and 2 story and basement, 40 x 60 ft. parish hall, brick and steel, Glenbrook St. $150,000.

N. Y., New York—MUSEUM—New York Historical Society, 170 Central Park West, plans 12 story, brick, stone and steel, plain foundation, Central Park West and 76th St.

Pa., Lawndale (Sta. Phila.) — RELIGIOUS, etc. — Lawndale Methodist Episcopal Church having revised plans prepared by Bureau of Architecture, 1701 Arch St., Phila., 2 story and basement, 83 x 102 ft. religious educational building. Former bids rejected. Noted Aug. 6.

Md., Baltimore — CHURCH — University Baptist Church, W. M. McCormick, chn. building comn., having plans prepared by J. R. Pope, 542 5th Ave., New York City, 1 story and basement, brick, plain foundation, Charles St. and Greenway. $350,000.

La., Gretna — SCHOOLS — Jefferson Co. School Bd., soon takes bids 12 schools, 2 in Ward 1, $216,582; remodeling school Ward 2, $32,366; erecting school Ward 3 $22,848; Ward 4, $37,242, 2 in Bataria and 1 in Ward 9 $89,198, 2 in Ward 7 $16,209, and 2 in Ward 8, $63,915. Noted April 23.

La., Plaquemine—CHURCH—St. John's Catholic Church soon takes bids 1 story and basement, rein.-con., brick and stone church. $300,000. E. Weil & A. Bendernagle, Whitney Bldg., New Orleans, archts.

Tenn., Knoxville — ECONOMICS — Tennessee State University, Miller, Fullenwider & Dowling, archts., 646 North Michigan Ave., Chicago, Ill., also S. F. Forbes, (archts. representative), Box 4163, take bids about Oct. 1, 3 story, 75 x 200 ft., rein.-con., brick and steel Economics building. $225,000. Noted July 23.

O., East Cleveland (Cleveland P. O.)—SCHOOL—Election Nov. 3, $150,000 bonds, 2 story and basement, brick and concrete addition, Caledonia St., for Bd. Educ., C. Tilden, Shaw and Euclid Aves. Engineer and architect not selected.

O., Van Wert — HIGH SCHOOL — Bd. Educ., voted $350,000 bonds, 3 story and basement, brick, steel and concrete high school. $350,000. P. M. Hulsken, Domestic Bldg., Lima, archt.

Ill., Waukegan—GYMNASIUM—Township Bd. Educ. soon takes bids gymnasium building, 48 ft. high, 136 x 182 ft., rein.-con., brick and stone, Jackson and Washington Sts. $275,000. Shattuck & Layer, 19 South La Salle St., Chicago, archts.

Wis., Milwaukee—SCHOOL—St. Elizabeth Congregation, 192 Burleigh St., soon takes bids 2 story and basement, brick, tile and concrete, plain foundation, 1st St. $200,000. Backes & Uthus, 216 West Water St., archts. Noted July 30.

Ia., Dubuque — CHURCH — Grand View Methodist Episcopal Church, soon lets contract, 1½ story, 60 x 100 ft. church, and 2 story and basement, 75 x 100 ft. community house. $150,000. W. C. Jones, 19 South LaSalle St., Chicago, Ill., archt.

Calif., Crockett—HIGH SCHOOL—John Swett Union High School Dist., election Sept. 29, $450,000 bonds, new high school. Noted June 11.

Ont., Fonthill — MAUSOLEUM — Canada Mausoleums, Ltd., Metropolitan Bldg., Toronto, plans concrete, stone and marble, here. $150,000.

Ont., Ridgway—MAUSOLEUM—Canada Mausoleums, Ltd., Metropolitan Bldg., Toronto, plans stone, concrete and marble mausoleum building, here. $150,000. Private plans.

BIDS DESIRED

Vt., Rutland—CHURCH—See "Contracts Awarded."

Mass., Quincy (Ind. br. of Boston) — HIGH SCHOOL—Sept. 25, by City Building Dept., City Hall, 3 story and basement, 82 x 134 ft. and 70 x 170 ft., brick, steel and stone, Hancock St. $500,000. Frank Irving Cooper Corp., 983 Main St., Hartford, Conn., archts.

R. I., Cranston—SCHOOL—Sept. 28, by Mayor's Office, 4 story, 180 x 250 ft., brick and steel, Elsie and Park Aves. $750,000. W. E. Walker & Son, 49 Weybosset St., Providence, archts. Noted Aug. 20.

R. I., Woonsocket — CONVENT — St. Annes' Roman Catholic Church, Providence, taking bids 2 story and basement, brick, Elm St. $150,000. W. F. Fountaine, 285 Main St., archt.

Conn., Middletown — LIBRARY and LABORATORY—Sept. 28, by Wesleyan College, J. H. McConaughty, pres., 3 story, 40 x 165 ft. library, and 2 story, 35 x 125 ft. laboratory, both brick, steel and limestone, plain foundation. $300,000. McKim, Meade & White, 101 Park Ave., New York City, archts. Noted June 25.

N. Y., College Point (Ind. Sta. Flushing) — SCHOOL — Oct. 8, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 27, 14th Ave., here, for Bd. Educ., Park Ave. and 59th St., New York City.

N. Y., Forest Hills (Ind. Sta. Flushing) — SCHOOL — Oct. 8, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 101, Russell Pl., Slocum Crescent, Standish Rd., and Children's Lane, here, for Bd. Educ., Park Ave. and 59th St., New York City.

Pa., Swissvale—SCHOOL—Oct. 3, by Bd. Educ., and J. M. McCollum, archt., Berger Bldg., Pittsburgh, 2 story and basement, brick and steel school. $150,000.

Ind., Indianapolis — HIGH SCHOOLS — Oct. 2, by Bd. School Comrs., constructing Thomas Jefferson High School, West and 12th Sts., and West Side High School, Washington St. and Sheffield Ave. Vonnegut, Bohn & Mueller, 610 Indiana Trust Bldg., archts. and engrs.

Mich., Detroit—HIGH SCHOOL—Oct. 5, by C. A. Gadd, bus. mgr. Bd. Educ., 3 story and basement, 95 x 125 ft. and 50 x 110 ft. rein.-con., steel and brick, plain foundation, LaSalle Blvd. and Roosevelt Field. Malcolmson & Higginbotham, 1217 Griswold St., archts.

Ill., Aurora—HIGH SCHOOL—Oct. 5, by W. J. Vander Meer, archt., 208 Meads Bldg., Rockford, 3 story and basement, rein.-con., brick and stone, here, for P. J. Muldoon, pastor, 1705 National Ave., Rockford.

Wis., Cudahy—HIGH SCHOOL—Sept. 29, by Bd. Educ., W. Rasche, pres., (1st unit), 2 story and basement, 60 x 60 ft., and 60 x 182 ft., brick and tile, plain foundation. $180,000. Rosman & Wierdsma, 490 Bway., Milwaukee, archts. Noted Sept. 3.

BIDS RECEIVED

Mass., New Bedford—HIGH SCHOOL—City Pub. Building Comn., City Hall, general contract North Junior High School, 2 story and basement, 65 x 258 ft., brick and steel, from L. Boldac & Son, Ashley Blvd., Fall River, $387,890; heating, from M. T. Mitchel Co., 84 West Main St., Fall River, $62,100. Noted Aug. 27.

N. Y., Albany — HIGH SCHOOL — Bd. Contr. & Supply, City Hall, general contract Junior High School, 3 story, Delaware Ave., from J. J. Finn & Son, 176 Sherman St., cut stone $1,079,348, from Feeney & Sheehan, 164 Montgomery St., face brick $1,060,000; electrical work, from F. W. Newman & Son, 76 Hudson Ave., $31,033; heating and ventilating, from E. W. Thompkins Co., 27 Grand St., $137,631; and plumbing, from E. T. Doyle & Son, Inc., 802 Bway., $33,293. Noted Sept. 3.

Pa., Leetsdale — SCHOOL — Bd. Educ., general contract 1 and 2 story, 176 x 176 ft. school, from R. B. McDanel Co., New Brighton, $122,000.

D. C., Wash.—SCHOOLS—Dist. Comrs., Sept. 15, from Skinker & Garrett, 1416 F St., N. W., constructing Brightwood Park School, Ingraham St. between 8th and 9th Sts. N. W., $111,599, Decatur St. School, Decatur St. between 4th and 5th Sts. N. W., $114,969, and Sheridan St. School, Sheridan St. between 4th and 5th Sts. N. W., $115,304. Noted Sept. 10.

CONTRACTS AWARDED

Me., Brunswick — CHURCH — Baptist Church Society, 1 story and basement, brick and stone, to F. W. Cunningham & Sons, 181 State St., Portland. Archts. est. $150,000. Noted July 30.

Vt., Rutland — CHURCH — Woodbury & Stuart, archts., 581 Boylston St., Boston, will build 2 story, brick and stone, here, for Methodist Episcopal Church. $200,000. Work will be done by separate contracts. Noted Aug. 6.

Mass., Fairhaven — CONVENT and CHAPEL — Sacred Heart Parish, S. Bernard, pastor, 3 story and basement, 68 x 102 ft. convent, and 34 x 100 ft. chapel, Main St., to La France Constr. Co., 292 Maple St., Holyoke. Archts. est. to exceed $150,000. Noted Sept. 3.

Mass., Lowell—CHURCH—St. Jean De Arc Church, 2 story, brick and stone, to Z. A. Houle, 53 Central St. Archts. est. $150,000. Noted July 23.

R. I., Pawtucket—HIGH SCHOOL—City, School Com., 3 story and basement, brick and steel, Exchange St., to Cruise Constr. Co., 12 East Ave., $1,025,000. Archts. est. $1,000,000. Noted Sept. 17.

R. I., Portsmouth — CHURCH — St. Anthony's Roman Catholic Church, 1 story and basement, 70 x 100 ft., brick and stone, to Carey Quarry & Constr. Co., 56 North Main St., Fall River, Mass. Archts. est. $150,000.

Conn., Hartford—SCHOOL—North East School Dist., 2 story and basement, brick and steel, Bellevue St., to G. Cudemo & S. N. E. Contg. Co., 68 Temple St. Archts. est. $150,000.

N. J., Scotch Plains — SCHOOL — Bd. Educ., brick, steel and stone, plain foundation, to Lambertson & Reese, South Amboy, $155,470.

Md., Baltimore — SCHOOL — Mayor and City Council, City Hall, 3 story, 101 x 205 ft. school and 1 story 100 x 180 ft. shop additions, Warren and Battery Aves., to C. L. Stockhausen Co., Gay and Water Sts., $633,790. Noted Sept. 17.

Ind., Evansville — SCHOOL — Bd. Educ., general contract Henry Reis Grammar School, 2 story and basement, brick and

Buildings—Educational, Religious (Cont.)

tile, to C. Kanzler Constr. Co., 500 Furniture Bldg., $164,250. Noted July 23.

Ill., Rockford — HIGH SCHOOL — Bd. Educ., Abraham Lincoln Junior High School, 3 story and basement, rein.-con. and brick, plain foundation, to Holmquist & Peterson, Swedish-Amer. Bank Bldg., $634,235. Noted Aug. 27.

Wis., Madison—CHURCH—Calvary Universal Lutheran Church, 713 State St., 2 story, 60 x 150 ft., rein.-con., steel and brick, plain foundation, State St., to J. H. Findorff, 601 West Wilson St.

Wis., Milwaukee—GRADE SCHOOL—School Bd., F. H. Harbach, secy., 3 story and basement, 126 x 130 ft., brick, tile and concrete, plain foundation, 55th and Galena Sts., concrete and excavation, to Dreyer Constr. Co., 1008 6th St., $113,616; masonry, to W. Buchholz Co., 1081 Sherman Blvd., $58,276; carpentry work to H. Jahns, 1915 Chestnut St., $43,180; heating and ventilating, to Downey Heating Co., 256 11th St., $37,974. Grand total $253,046. Noted Sept. 3.

Minn., Luverne—SCHOOL—Bd. Educ., 3 story and basement, rein.-con., brick and stone, general contract, to Riesche & Sanborn, 514 Jackson St., Sioux City, Ia., $144,780. Noted Aug. 20.

Neb., Falls City—HIGH SCHOOL—Bd. Educ., F. Brecht, secy., general contract Senior High School 3 story, rein.-con., brick and stone, to Busboom Bros., Fairbury, $152,568. Noted Aug. 20.

Federal Government Work

BIDS DESIRED

Miss., Vicksburg—Levee—Sept. 30, by Mississippi River Levee Dist., P. O. Box 404, approximately 700,000 cu.yd. levee work.

Ky., Louisville—Wicket Irons, etc.—Oct. 20, by U. S. Engineer Office, P. O. Box 72, wicket irons, horses and props for Navigable Passes, Dams No. 49 and 50, Ohio River; adv. E. N.-R. Sept. 24.

O., Dayton—Railway—Oct. 14, at office Constructing Quartermaster, railway spur on new air field (Wright Field), near here; adv. E. N.-R. Sept. 24.

BIDS RECEIVED

Mass., Boston—Piers—Spec. 5155—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing and rebuilding Piers 6 and 7, at Navy Yard, here, from Blakeslee-Rollins Corp., 6 Beacon St., **(Item 1)** $155,500 **(2a)** $22,000 **(2b)** $25,000 **(2c)** $28,000 **(2d)** $31,000 **(2e)** $34,000 **(2)** $130,000 **(4a)** $18,000 **(4b)** $20,000 **(4c)** $22,000 **(4d)** $24,000 **(4e)** $26,000 **(5a)** $40 **(5b)** $40 **(6)** $15 **(7a)** $25 **(7b)** $20 **(8a)** $60 **(8b)** $50 **(9a)** $25 **(9b)** $35 **(9c)** $2 **(9c)** $0.75 **(9f)** $400. Noted Sept. 3.

Md., Perry Point—Kitchen, Mess Building, etc.—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., kitchen and mess building at U. S. Veterans Hospital 4, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala. **(1)** $183,700 **(3)** $27,500 (260 days); refrigerating plant, from Frick Co., West Main St., Waynesboro, Pa., **(3)** $18,420; freight elevator, from Otis Elevator Co., 810 18th St., Wash., D. C., **(2)** $2,885. Noted Aug. 20.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer Office, dredging in Connecticut River, to Merritt, Chapman & Scott Corp., 17 Battery Pl., New York City, N. Y. $14,000. Noted Aug. 27.

D. C., Wash.—Coal and Ash Handling Equipment—Spec. 5130—Bureau Yards & Docks, Navy Dept., coal and ash handling equipment for Naval Hospital, here, to Specialty Eng. Co., Allegheny and Trenton Sts., Phila., Pa. $16,860 (150 days). Noted Sept. 3.

W. Va., Huntington — Steel Hull — U. S. Engineer Office, War Dept., Wash., D. C., steel hull for Quarterback and steel fuel barge for Kanawha River, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa. $10,150.

Unclassified

PROPOSED WORK

Subway— Erie, Pa.—New York, Chicago & St. Louis R.R. Co., J. J. Bernet, pres., Columbia Bldg., Cleveland, O., does not plan concrete and steel subway in 19th and Parade Sts., here. $120,000. This corrects report in Sept. 3 issue.

Park Improvements—Hazlehurst, Miss.—Plans election $25,000 bonds, improvements to Lake Hazle Park.

Power Lines—North Carolina—Carolina Power & Light Co., Raleigh, plans extending power lines from Raleigh to Garner, Raleigh to Crabtree Creek, Henderson to Norlina, Norlina to Warrenton, and Warrenton to Littleton. P. A. Tillery, genl. mgr.

Storage Bins — Cleveland, O. — Huron Portland Cement Co., 1325 Ford Bldg., Detroit, Mich., made plans 90 x 125 ft., concrete storage bins. $60,000. Private plans.

Park Improvements — Cleveland, O. — Election Nov. 3, $75,000 bonds driveways, etc. for park. F. A. Pease, Eng. Co., Marshall Bldg. engr.

Stadium, etc.—Cleveland, O.—City, W. R. Hopkins, city mgr., takes bids in spring concrete stadium and open air theatre. $200,000. H. Kregelius, 604 City Hall, archt.

Tipple — Columbus, O. — Columbus Consumers Supply Co., 315 North 4th St., plans tipple and install loading and unloading equipment.

Traffic Signal System — East Cleveland (Cleveland P. O.)—**O.**—Election Nov. 3, $50,000 bonds, electrical traffic signal system for Euclid, Superior and Hayden Aves.

Flood Control—Brownsville, Tex.—Comrs. Cameron Co., take bids December of January, flood control. $1,500,000 bonds voted. O. C. Dancy, judge. Noted July 23.

Gas System — Blair, Okla. — Making surveys natural gas system and connecting with mains to be constructed from Mangum to Altus. $100,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Swimming Pool—Nevada City, Nev.—See Streets and Roads."

Swimming Pool — Covina, Calif. — See "Buildings—Educational, Religious."

Gas Pipe Line—Waterford, Ont.—Hoover & May, plan supplying town with natural gas. $50,000.

Telephone Line — Pembroke, Ont. — Bell Telephone Co. of Canada, 118 Notre Dame St. W., Montreal, Que., plans 60 mi. telephone line from Pembroke to Mattawa. $50,000. Private plans.

Breakwater, etc. — Vancouver, B. C. — Vancouver Harbor Comns., 525 Seymour St., plan 1½ mi. breakwater, docks, etc. at Hastings Mill. $2,450,000. Engineer not selected.

BIDS DESIRED

Borings—New York, N. Y.—Sept. 29, by Port New York Authority, 11 Bway., water borings in bed of Hudson River within locality bounded approximately by lines from 170th to 185th Sts., Manhattan Boro to points opposite thereto in Ft. Lee Boro, Bergen Co., N. J. J. A. Gregory, chn.; adv. E. N.-R. Sept. 24.

Subway—New York, N. Y.—Sept. 29, by Bd. Transportation, 49 Lafayette St., 2 track underground railroad (Continuation of Queensboro Subway) under East 42nd St. from existing tracks near Vanderbilt Ave. and extending under 42nd St. and Bryant Park through 5th Ave. Station, etc. J. H. Delaney, chn.

Bulkhead—Tarrytown, N. Y.—Sept. 29, by V. W. Cole, village clk., Corporation Rooms, for 1,000 ft. sheet pile bulkhead and 120 ft. open pile bridge; adv. E. N.-R. Sept. 24.

Park—Phila., Pa.—Sept. 30, by Dept. Pub. Wks., improving East League Island Park, incl. running track, etc., in 39th Ward.

Borings, etc. — Pittsburgh, Pa. — See "Bridges."

Electric Car Barn—Raleigh, N. C.—Oct. 6, by A. W. Thompson, ch. engr. Carolina Power & Light Co., 110 x 240 ft. electric car barn. $50,000.

Switching and Control Equipment—Detroit, Mich.—Sept. 28, by J. S. Foley, secy. Pub. Lighting Comn., 174 East Atwater St., electric switching and control equipment, for new power plant switch house, and for switching stations A, B, C and D. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs.

Transmission Line, etc. — Missouri — See "Contracts Awarded."

BIDS RECEIVED

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Sept. 18, Sect. 1 of Route 105 along and under Fort Washington Ave., from A. McMullen & Co., Corona, $3,198,100. Noted Sept. 10.

Lighting System—Baton Rouge, La.—City and Chamber of Commerce, sixty 2,500 candle power light standards, from Baton Rouge Electric & Machine Wks., 523 3rd St., $29,589.

Wharves, etc.—New Orleans, La.—Bd. Port Comrs., New Court House Bldg., Sept. 15, alterations to wharves and sheds at Girod and Julia Sts., from R. P. Farnsworth, Canal-Commercial Bldg., $62,000. Noted Sept. 10.

Lighting System — San Diego, Calif. — Common Council, Sept. 14, ornamental lighting system on University Ave. between 4th and 5th Sts., from A. C. Rice, 1957 Santee St., Los Angeles, $29,560.

CONTRACTS AWARDED

Gas Container and Purifier — Hartford, Conn.—Hartford City Gas Light Co., 562 Main St., steel container and gas purifier addition, Potter St., to Stacey Bros. Constr. Co., 5535 Carthage Pike, Elmwood, Cincinnati, O. Engrs. est. $75,000.

Special Work, etc.—Brooklyn, N. Y.—Bd. Transportation, 49 Lafayette St., New York City, special work in construction of Flushing Extension, here, to W. Wharton Jr. & Co., 30 Church St., New York City, $10,073; also installing tracks, etc., in Coney Island Yard, to J. H. Duncan, Inc., Grand Central Terminal, New York City, $7,924. Noted Sept. 17.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., for Route 102, Sect. 6 under 8th Ave. and Central Park West, to F. L. Cranford, 149 Remsen St., Brooklyn, $5,889,649. Noted Sept. 17.

Marginal Pier — Newark, N. J. — City Comn. (2nd unit) marginal dock for ship canal in Port Newark, to H. Steers, Inc., 17 Battery Pl., New York City, $206,936.

Stadium — Gettysburg, Pa. — Gettysburg College, general contract 40 x 300 ft., brick and steel stadium, to A. R. Warner, Waynesboro.

Retaining Wall — Pittsburgh, Pa. — See "Railways."

Traffic Signals, etc. — Shreveport, La. — Comn. Council, 16 traffic signals, to Western Electric Co., c/o Crouse-Hinds, Wolf and 7th Sts., Syracuse, N. Y., $5,604; and underground cable for signals to Southwest General Electric Co., 1801 North Lamar St., Dallas, Tex.

Street Lighting System—Madison, Wis.—W. Winckler, city clk., ornamental street lighting system on West Washington, Atwood and Winnebago Aves., to Kelley Constr. Co., Eau Claire. Engrs. est. $25,000.

Turbine Generator Unit, etc.—Moorhead, Minn.—R. G. Price, city clk., to Westinghouse Electric & Mfg. Co., 425 East Water St., Milwaukee, Wis., steam turbine $19,100, condenser $6,050, and two retort stokers $8,647; and to Fuel Economy Eng. Co., 1019 Guardian Life Bldg., St. Paul, 2 Badenhauser boilers $13,700. Grand total $47,497. Noted Aug. 20.

Transmission Line, etc. — Missouri — Missouri Gas & Electric Serv. Co., Lexington, will build 33,000 v. 3 phase transmission line between Lexington and Richmond, also substation at Henrietta to supply Henrietta Hardin and Norborne, by day labor.

Swimming Pool — St. Louis, Mo. — See "Buildings—Commercial."

Materials

BIDS DESIRED

Gravel, etc.—Greenville, Miss.—Oct. 2, by Highway Comn. Washington Co., 40,000 tons gravel, etc.

Piling — Bastrop, La. — Oct. 5, by Police Jury Morehouse Parish, 1,400 lin.ft. creosoted long leaf piling, and 42,000 ft. white or post oak bridge lumber, delivered at Crossett, Ark. J. L. White, parish engr.

Paving Materials, etc.—St. Paul, Minn.—Sept. 29, by A. E. Eggert, city purch. agt., 1,538 sq.yd. 3 in. vertical fibre brick, 328 bbls. Portland cement, 260 cu.yd. crushed rock or gravel, 170 cu.yd. concrete sand, and 960 sq.ft. tile sidewalk for paving Bradley and Bedford Sts. G. M. Shepard, city engr.

BIDS RECEIVED

Creosoted Piles—New Orleans, La.—Bd. Port Comrs., New Court House Bldg., furnishing 250 creosoted piles **(a)** 75 ft. and **(b)** 85 ft., from Amer. Creosoted Wks., Inc., Southport, **(a)** $44,000 and **(b)** $62,000.

CONTRACTS AWARDED

Paving Blocks—Brooklyn, N. Y.—J. A. Guider, boro pres. Boro Hall, 75,000 Grade 1 granite paving blocks, to Terminal Supply Co., 350 Madison Ave., New York City, $10,340. Noted Aug. 27.

Cement — New York, N. Y. — J. Miller, pres. Manhattan Boro, Municipal Bldg., 20,000 bags cement, to J. A. McCarthy, 551 Exterior St., $13,600; 500 tons asphaltic joint filler, to Warner Quinlan Co., 79 Wall St., $12,241; 1,200 cu.yd. sand grit, to Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, $1,908. Grand total $27,749. Noted Sept. 10.

CONSTRUCTION NEWS

Engineering News-Record, Oct. 1, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Irrigation, Pearsall, Tex., Frio Co. plan bond election, $5,000,000.

Loft, New York, N. Y., G. Kern & T. P. McLoughlin having plans prepared, $4,500,000.

Water system, Blythe, Calif., voted bonds, $3,500,000.

Theatre, Bank, etc., San Francisco, Calif., Capitol Co. having plans prepared, $3,000,000.

School, New York, N. Y., Bd. of Educ. having plans prepared, $2,668,000.

Glass plant, Kittanning, Pa., Kittanning Plate Glass Co. having plans prepared, $2,000,000.

Road work, Bryant, Tex., Brazos Co. plan bond election, $2,000,000.

Hotel, Indrio, Fla., East Coast Development Co. had plans prepared, $1,500,000.

Irrigation, El Paso, Tex., El Paso Co. plans bond election, $1,500,000.

Road work, Hempstead, Tex., Waller Co. plans bond election, $1,250,000.

Schools, Johnstown, Pa., city plans bond election, $1,250,000.

Hotel, Santa Monica, Calif., Palisades Hotel Co. having plans prepared, $1,100,000.

Hospital, Boston, Mass., Mass. General Hospital plans new hospital, $1,000,000.

Apartment, St. Louis, Mo., Saum Bros. plan building, $1,000,000.

Bids Wanted On Big Jobs

Sewage disposal plant, Willow, O., Oct. 28, $2,300,000.

Hotel, Oakland, Calif., taking bids, Boulevard Hotel Co., $2,000,000.

Theatre, store and office, Chicago, Ill., soon takes bids, Rapp and Rapp, archts., $1,500,000.

Streets, Miami, Fla., Oct. 7, city clerk, $1,000,000.

Flood prevention, Brownsville, Tex., Jan. 1, Cameron Co., $1,000,000.

Store, Chicago, Ill., Oct. 20, by Holabird & Roche, archts., $1,000,000.

Large Contracts Let During Week

Hotel, New York, N. Y., Savoy Hotel to Fuller Constr. Co., $17,000,000.

Silk Mill, Buffalo, N. Y., Dupont Fibersilk Co. to Dupont Engineering Co., $8,000,000.

Club house, Chicago, Ill., Lake Shore Athletic Club to Hegeman-Harris Co., $3,650,000.

Gas plant, New York, N. Y., Consolidated Gas Co. to W. F. Kenny Co., $4,000,000.

Grain elevator, Philadelphia, Pa., Philadelphia Grain Elevator Co. to M. A. Long Co., $4,000,000.

Bank and office, Wichita, Kan., H. M. Vitzthum to G. H. Siedhoff, $2,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Oct. 3	Huntington, N. J.	Sept. 24
Oct. 3	Columbus, O.	Sept. 24
Oct. 5	Lawrence, Mass.	Sept. 24
Oct. 5	Robinsdale, Minn.	Oct. 1
Oct. 6	Brooklyn, N. Y.	Oct. 1
Oct. 6	Bluff City, Tenn.	Sept. 24
Oct. 7	Cleveland, O.	Oct. 1
Oct. 7	Baltimore, Md.	Oct. 1
Oct. 12	Iron Mountain, Mich.	Sept. 24
Oct. 13	Detroit, Mich.	Sept. 17
Oct. 16	Salisbury, Md. Adv. Oct. 1.	Oct. 1
Oct. 27	Maitland, Fla. Adv. Oct. 1.	Oct. 1
	SEWERS	
Oct. 5	Medina, O.	Oct. 1
Oct. 5	Hamden (Br. New Haven), Conn.	Oct. 1
Oct. 6	Long Island City, N. Y.	Oct. 1
Oct. 6	Williamsport, Pa.	Oct. 1
Oct. 6	Lynn, Mass.	Sept. 3
Oct. 7	University (Br. St. Louis), Mo.	Oct. 1
Oct. 7	Cleveland, O.	Oct. 1
Oct. 7	Long Island City, N. Y.	Oct. 1
Oct. 7	Baltimore, Md	Oct. 1
Oct. 8	Jonesville, N. Y.	Oct. 1
Oct. 9	Oakfield, N. Y. Adv. Sept. 24 and Oct. 1.	Sept. 24
Oct. 12	Evansville, Ind.	Sept. 24
Oct. 12	Southmont (Johnstown P. O.), Pa.	Oct. 1
Oct. 14	Evansville, Ind. Adv. Oct. 1.	Oct. 1
Oct. 15	Birmingham, Ala.	Oct. 1
Oct. 15	East Syracuse, N. Y. Adv. Oct. 1.	Oct. 1
Oct. 21	Holland, Mich. Adv. Sept. 24 and Oct. 1.	Sept. 24
Oct. 23	Buffalo, N. Y. Adv. Sept. 24 and Oct. 1.	Sept. 24
Oct. 23	Buffalo, N. Y.	Oct. 1
Oct. 28	Cleveland, O. Adv. Sept. 24 and Oct. 1.	Oct. 1
Oct. 28	Willow (Mail South Park), O.	Oct. 1
	WASTE DISPOSAL	
Oct. 13	Lakeland, Fla. Adv. Oct. 1.	Oct. 1
Oct. 19	Iron Mountain, Mich.	Oct. 1
	BRIDGES	
Oct. 5	Bastrop, La.	Sept. 24
Oct. 5	Birmingham, Ala.	Oct. 1
Oct. 6	Hermann, Mo.	Oct. 1
Oct. 6	Southwick, Mass.	Oct. 1
Oct. 6	Gulfport, Miss.	Sept. 24
Oct. 7	Providence, R. I. Adv. Oct. 1.	Oct. 1
Oct. 8	Charleston, W. Va.	Sept. 10
Oct. 9	Sierra Blanco, Tex.	Sept. 24
Oct. 12	Lynchburg, Va.	Sept. 17
Oct. 12	Mercer, Pa. Adv. Sept. 24 and Oct. 1.	Sept. 24
Oct. 13	New York	Sept. 24
Oct. 13	North Carolina	Oct. 1
Oct. 16	Hartford, Kan.	Oct. 1
Oct. 16	Kansas	Sept. 24
Oct. 19	Houston, Tex.	Oct. 1
Oct. 20	South Carolina	Oct. 1
Oct. 23	Texas and Oklahoma Adv. Oct. 1.	Oct. 1
Oct. 27	Miami, Fla.	Oct. 1
Nov. 17	Wellington, New Zealand	Sept. 17
	DAMS	
Oct. 12	Los Angeles, Calif.	Aug. 20
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES	
Oct. 3	Bloomington, Ill.	Oct. 1
Oct. 6	Port Mouton, N. S.	Oct. 1
Oct. 12	Decatur, Ill.	Oct. 1
Oct. 14	New Orleans, La.	Sept. 17
Jan. 1	Brownsville, Tex.	Oct. 1
	STREETS AND ROADS	
Oct. 2	Pennsylvania	Sept. 17
Oct. 2	Medford, Mass.	Oct. 1
Oct. 5	Medamin, Iowa	Oct. 1
Oct. 5	Danville, Ind.	Oct. 1
Oct. 5	Lewistown, Pa.	Sept. 17
Oct. 5	New York Adv. Sept. 24 and Oct. 1.	Sept. 24
Oct. 5	New Jersey	Sept. 24
Oct. 6	Vero Beach, Fla.	Sept. 17
Oct. 6	Lake Alfred, Fla.	Sept. 24
Oct. 6	Michigan	Sept. 24
Oct. 6	Gulfport, Miss.	Sept. 24
Oct. 6	Columbus, O.	Oct. 1
Oct. 6	Belhaven, N. C.	Oct. 1
Oct. 6	Maryland Adv. Oct. 1.	Oct. 1
Oct. 6	Wyoming	Oct. 1
Oct. 6	Wisconsin	Oct. 1
Oct. 6	Phila., Pa.	Oct. 1
Oct. 6	Garfield, Okla.	Oct. 1
Oct. 6	Columbus, Miss.	Oct. 1
Oct. 6	Oklahoma	Oct. 1
Oct. 6	Auburn, Ind.	Oct. 1
Oct. 6	St. George, N. Y.	Oct. 1
Oct. 6	Ventura, Calif.	Oct. 1
Oct. 7	Miami, Fla.	Oct. 1
Oct. 7	St. George, N. Y.	Oct. 1
Oct. 7	Baltimore, Md.	Oct. 1
Oct. 7	West Palm Beach, Fla. Adv. Oct. 1.	Oct. 1
Oct. 7	Delaware	Sept. 24
Oct. 7	Michigan	Sept. 24
Oct. 8	McComb, Miss.	Sept. 24
Oct. 8	Montgomery, Pa.	Oct. 1
Oct. 8	Wayne, W. Va.	Oct. 1
Oct. 8	Michigan	Oct. 1
Oct. 8	Magnolia, Miss.	Oct. 1
Oct. 8	St. George, N. Y.	Oct. 1
Oct. 8	Papillon, Neb.	Oct. 1
Oct. 8	Fremont, Neb.	Oct. 1
Oct. 8	Wash., D. C.	Oct. 1
Oct. 9	Guthrie, Okla.	Oct. 1
Oct. 9	Salina, Kan.	Oct. 1
Oct. 9	Cincinnati, O.	Oct. 1
Oct. 9	Columbus, Neb.	Oct. 1
Oct. 9	Hebron, Neb.	Oct. 1
Oct. 9	Wauwatosa, Wis.	Oct. 1
Oct. 9	Boston, Mass.	Oct. 1
Oct. 9	Liberty, Texas	Oct. 1
Oct. 12	Kentucky	Sept. 17
Oct. 12	Michigan	Sept. 24
Oct. 12	San Diego, Calif.	Oct. 1
Oct. 13	Hobart, Okla.	Oct. 1
Oct. 13	California	Oct. 1
Oct. 13	Minnesota	Oct. 1
Oct. 13	Olean, N. Y. Adv. Oct. 1.	Oct. 1
Oct. 13	North Carolina Adv. Sept. 24 and Oct. 1.	Sept. 24
Oct. 14	Alabama	Sept. 10
Oct. 14	Alabama	Sept. 24
Oct. 14	Rhode Island Adv. Oct. 1.	Oct. 1
Oct. 14	Yonkers, N. Y. Adv. Sept. 24 and Oct. 1.	Oct. 1
Oct. 14	Canton, O.	Oct. 1
Oct. 15	Alabama	Sept. 10
Oct. 15	Birmingham, Ala.	Sept. 17
Oct. 16	Wilson, N. C. Adv. Sept. 24 and Oct. 1.	Sept. 24
Oct. 16	Floresville, Tex.	Oct. 1
Oct. 19	New Jersey Adv. Oct. 1.	Oct. 1
Oct. 20	Louisiana	Oct. 1
Oct. 20	South Carolina	Oct. 1
Oct. 22	Louisiana	Oct. 1
Oct. 22	Abilene, Kan.	Oct. 1
Oct. 27	Cottonwood Falls, Kan.	Oct. 1
Oct. 29	Key West, Fla. Adv. Oct. 1.	Oct. 1
Nov. 10	Louisiana	Oct. 1

Bids Close — See Eng. News-Record

BUILDINGS—INDUSTRIAL

Oct. 9 Detroit, Mich. .....Oct. 1
Oct. 13 Durban, South Africa ....July 30

BUILDINGS—COMMERCIAL

Oct. 3 Baltimore, Md. .....Oct. 1
Oct. 5 El Reno, Okla. .....Oct. 1
Oct. 6 Newark, Del. .....Oct. 1
Oct. 6 Labelle, Fla. .....Aug. 20
Oct. 6 New Brunswick, N. J. ....Sept. 24
Oct. 6 North Tarrytown (Ind. br. Tarrytown), N. Y. .....Sept. 24
Adv. Sept. 24 and Oct. 1.
Oct. 6 Hays, Kan. .....Oct. 1
Oct. 8 Pass Christian, Miss. ....Oct. 1
Oct. 9 Grand Rapids, Mich. .....Oct. 1
Oct. 12 Breckenridge, Tex. .....Sept. 3
Oct. 14 Racine, Wis. .....Oct. 1
Oct. 15 Chicago, Ill. .....Oct. 1
Oct. 20 Chicago, Ill. .....Oct. 1
Nov. 4 Webster City, Ia. .....Oct. 1
Nov. 15 Aurora, Ill. .....Aug. 27

BUILDINGS—EDUCATIONAL, RELIGIOUS

Oct. 2 Indianapolis, Ind. .....Sept. 24
Oct. 2 Camden, N. J. .....Oct. 1
Oct. 3 Swissvale, Pa. .....Sept. 24
Oct. 5 Aurora, Ill. .....Sept. 17
Oct. 5 Detroit, Mich. .....Sept. 24
Oct. 5 Long Island City, N. Y. ....Oct. 1
Oct. 5 St. Louis, Mo. .....Oct. 1
Oct. 6 Waukegan, Ill. .....Oct. 1
Oct. 6 Bristol, R. I. .....Oct. 1
Oct. 6 Phila., Pa. .....Oct. 1
Oct. 6 Madison, Wis. .....Sept. 17
Oct. 7 San Francisco, Calif. .....Sept. 17
Oct. 8 Lyndonville, N. Y. .....Sept. 17
Oct. 8 Forest Hills (Ind. sta. Flushing), N. Y. .....Sept. 24
Oct. 9 College Point (Ind. Sta. Flushing), N. Y. .....Sept. 24
Oct. 9 Laurelton, Pa. .....Oct. 1
Oct. 9 Taunton, Mass. .....Oct. 1
Oct. 10 Cudahy, Wis. .....Oct. 1
Oct. 10 Mansfield, O. .....Oct. 1
Oct. 12 Midland, Pa. .....Oct. 1
Oct. 15 Marinette, Wis. .....Oct. 1
Oct. 15 York, Pa. .....Oct. 1
Oct. 16 Marshalltown, Ia. .....Oct. 1
Oct. 19 Long Branch, N. J. .....Oct. 1
Dec. 1 Duluth, Minn. .....Oct. 1

FEDERAL GOVERNMENT WORK

Oct. 2 Dredging—Stamford, Conn. .....Sept. 3
Oct. 8 Quarters—Oswego, N. Y. ...Sept. 17
Adv. Sept. 10 to Oct. 1.
Oct. 9 Roads—Baltimore, Md. ....Oct. 1
Oct. 10 Pressure Pipe System—Florence, Ala. .....Sept. 17
Adv. Sept. 17 to Oct. 1.
Oct. 12 Addition—Columbia, S. C. .....Oct. 1
Oct. 13 Post Office—Tullahoma, Tenn. .....Sept. 17
Oct. 13 Fire Protection System — New York, N. Y. .....Oct. 1
Oct. 14 Tile Deck — Brooklyn, N. Y. .....Oct. 1
Adv. Oct. 1.
Oct. 14 Excavation—Beverly, Mass. .....Sept. 17
Adv. Sept. 17 to Oct. 1.
Oct. 14 Railway—Dayton, O. .....Sept. 24
Adv. Sept. 17 to Oct. 1.
Oct. 15 Dredging—Phila., Pa. .....Oct. 1
Oct. 20 Metal Work — Louisville, Ky. .....Oct. 1
Oct. 20 Wicket Irons—Louisville, Ky. .....Sept. 24
Adv. Sept. 24 and Oct. 1.
Oct. 23 Derrick Boat—Jacksonville, Fla. .....Oct. 1
Adv. Oct. 1.
Oct. 26 Gates—Louisville, Ky. .....Oct. 1
Adv. Oct. 1.
Oct. 27 Turbines—Washington, D. C. .....Oct. 1
Adv. Oct. 1.
Oct. 28 Repairing Dredge—Galveston, Tex. .....Oct. 1
Adv. Oct. 1.

UNCLASSIFIED

Oct. 5 Fire Alarm System—Fairview, O. .....Oct. 1
Oct. 5 Pier Shed Equipment—New York, N. Y. .....Oct. 1
Oct. 6 Ventilation Buildings, New York, N. Y. .....Sept. 10
Oct. 6 Pumping Equipment—New York, N. Y. .....Sept. 17
Adv. Sept. 17 to Oct. 1.
Oct. 6 Car Barn—Raleigh, N. C. .Sept. 24
Oct. 6 Subway—New York, N. Y. .Oct. 1
Oct. 7 Rubble Wall—Port Burwell, Ont. .....Oct. 1
Oct. 8 Wharves—Quebec .....Oct. 1
Oct. 8 Subway—Niles Center, Ill. .....Oct. 1

Bids Close — See Eng. News-Record

Oct. 9 Subway—Flushing, N. Y. ..Oct. 1
Oct. 13 Protection Work—Delta, Man. .....Oct. 1
Oct. 13 Park Houses, etc.—Chicago, Ill. .....Oct. 1
Oct. 19 Heating, Plumbing, etc. — Birmingham, Ala. .....Oct. 1
Oct. 20 Causeway—South Carolina.Oct. 1
Oct. 27 Steel Ferry Boats—Boston, Mass. .....Oct. 1
Dec. 8 Steel Supports—Wellington, New Zealand .....Oct. 1

MATERIALS

Oct. 6 Castings — New York, N. Y. .....Oct. 1
Oct. 6 Paving Blocks—Long Island City, N. Y. .....Oct. 1
Oct. 13 Gravel—Louisiana .....Sept. 24
Oct. 20 Telephone Cable—Melbourne, Australia .....Aug. 20
Oct. 27 Wire—Wellington, New Zealand .....Sept. 17
Nov. 9 Wire—Wellington—New Zealand .....Sept. 17
Nov. 9 Cable—Melbourne, Australia .....Aug. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Me., Orono—Penobscot Co. Water Co. rejected bids water purification plant, 3 m.g. daily output. Project postponed. Metcalf & Eddy, 14 Beacon St., Boston, engrs. Noted Mar. 26.

Mass., Quincy (Boston P. O.) — Plans larger mains throughout city. $250,000. Private plans. Address Bd. Aldermen.

Conn., Hartford—Plans two 4 m.g. filter beds to complete 9,000,000,000 gal. fresh water basin now under construction. $180,000. C. M. Saville, 53 North Beacon St., engr.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., rejected bids Aug. 28, pumping and generating plant in New Clove pumping station, etc., here. Will readvertise. Noted Sept. 3.

Miss., Moss Point—Election soon $100,000 bonds, waterworks and distribution system. H. A. Mentz, Hammond, La., engr.

La., Thibodaux—Election Oct. 6, $60,000 bonds, waterworks improvements.

Ia., West Union—Election Oct. 12, $18,000 bonds, waterworks improvements. W. M. Knox, city clk.

Kan., Eldorado—Making surveys waterworks improvements, incl. impounding reservoir with gravity flow line to town. $400,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 17.

Kan., Rossville—Election Oct. 3, $39,000 bonds, waterworks and distribution system. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

S. D., Pierre — Voted $100,000 bonds, improving waterworks.

N. D., Mandan — Plans new 1 m.g. concrete reservoir. $30,000. E. R. Griffin, city engr.

Mo., Malden—Making plans 2 mi. 4 and 6 in. c.i. mains, two 350 g.p.m. motor driven pumps, 100,000 gal. tank on tower, new boiler, engine and generator, etc. $53,000. F. L. Wilcox, 924 Chemical Bldg., St. Louis, engr. Noted Sept. 3.

Mo., Piedmont—Takes bids about Oct. 15, several miles 4-, 6- and 8-in. distribution mains, tanks on tower, reservoir, etc. $50,000 bonds voted. W. A. Fuller Co., Railway Exch. Bldg., St. Louis, engrs. Noted Sept. 17.

Tex., Boerne—Voted $25,000 bonds, for waterworks. H. L. Davis, mayor. Noted Aug. 20.

Tex., Brownsville—Making preliminary plans sewer, water and light extensions from city limits to Villa Nueva Academy. $100,000. Address A. B. Cole, Brownsville, mayor.

Tex., Mabank — Voted $60,000 bonds waterworks improvements. Municipal Eng. Co., 602 Praetorian Bldg., Dallas, engrs. Noted Sept. 3.

Tex., San Antonio—Takes bids after Oct. 10, 60 x 100 ft. rein.-con. water tower. $130,000. I. Ewig, city engr.

Okla., Apache—Election Oct. 7, $50,000 bonds for new waterworks, incl. 32,000 ft. 6 in. mains, pumps, motors, etc., and transmission line. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted July 30.

Okla., Enid—Defeated $215,000 bonds for waterworks. F. S. Magruder, city engr. This corrects report in Sept. 24 issue.

Okla., Opelika—Election Oct. 14, $225,000 bonds waterworks improvements, incl. reservoir, mains, pumping plant, etc. Address Mayor.

Okla., Ripley—Making preliminary plans new waterworks. $26,000. R. L. Dudley, mayor. Engineer not selected.

Okla., Tecumseh — Voted $15,000 bonds, waterworks improvements, incl. main extensions, motor driven triplex pumps, 5,900 ft. 6 in. and 2,800 ft. 8 in. c.i. pipe, etc. F. D. Brown, Shawnee, engr.

Calif., Blythe—Voted $3,500,000 bonds, purchasing and improving water system.

Calif., Long Beach—Voted $350,000 bonds for 3 m.g. rein.-con. reservoir, 10- to 30-in. c.i. mains, pumps, etc., for waterworks. P. E. Kressly, 732 H. W. Hellman Bldg., Los Angeles, engr.

Calif., Redwood City — San Mateo Co. making plans 50,000 gal. tank, pumphouse, pumps, etc., for water supply at poor farm. G. A. Kneese, co. surv.

Ont., Hamilton — City retained Gore, Nasmith & Storrie, consult. engrs., Confederation Life Bldg., Toronto, to prepare report on water system and supply, in connection with future extensions. W. L. McFaul, city engr.

Ont., St. Catherines—Plans extending c.i. mains in Grantham Twp. $429,721. B. F. Lamson, City Hall, engr.

Ont., Windsor—Plans enlarging filtration plant, incl. new building, filter beds, equipment, etc. $150,000. M. E. Brian, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 6 by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Corbin Pl., Oriental Blvd., Hamton and Brighton Beach Aves., Ave. 1, Amherst, Beaumont, Coleridge, Dover, Exeter, Girard and Hastings Sts.

Md., Baltimore—Oct. 7, by Bd. Awards, c.i. pipe and fittings, for Bureau Water Supply. V. B. Siems, City Hall, water engr.

Md., Salisbury—Oct. 16, by Water and Sewer Comn., for pumping station, Contr. 11; and excavating, etc., Contr. 12. F. H. Dryden, ch. engr.; adv. E. N.-R. Oct. 1.

Fla., Lake Worth — Palm Lake Corp., taking bids 100,000 gal. elevated tank, pump, deep well, water mains and fittings. G. Kingsley, Lake Worth, ch. engr.

Fla., Maitland—Oct. 27, by Town, waterworks system. J. B. McCrary Eng. Corp., Atlanta, Ga., and Orlando, engrs.; adv. E. N.-R. Oct. 1.

O., Cleveland — Oct. 7, by Comrs. Cuyahoga Co., mains in Broadview Rd., Impvt. 150, and South Miles Ave., Impvt. 567. To exceed $15,000; also in Crossview Rd., Impvt. 450, to exceed $25,000. F. Williams, Court House, engr.

O., Columbus—See "Streets and Roads."

O., Medina—See "Sewers."

O., Middletown—Taking bids 18,000 gal. pump in well for Waterworks Dept. W. C. Morrison, City Hall, engr.

Minn., Robbinsdale — Oct. 5, by C. F. Wilson, city mgr., 1 water service tapping machine, 240 water service stop boxes, two hundred and forty ¾ in. and twelve 1 in. corporation stops, two hundred and forty ¾ in. and twelve 1 in. curb stops, two hundred and forty ¾ in. and twelve 1 in. meters, etc. Carroll & Claussan Eng. Co., 406 Metropolitan Bank Bldg., St. Paul, engrs.

Tex., Amherst—Taking bids waterworks. $39,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, Okla., engrs. Noted Sept. 17.

Tex., Wellington—Plans waterworks $60,000. Devlin Eng. Co., Amarillo, engrs.

Okla., Red Fork — See "Contracts Awarded."

BIDS RECEIVED

N. Y., Buffalo—City, steam heating for filter plant, Contr. 24, from Chippewa Plumbing Co., 80 College St., $20,490; and electric wiring and apparatus, Contr. 26, from Bison Electrical Co., Inc., 256 Pearl St., $14,964. Noted Sept. 3 under "Unclassified."

N. Y., Thomson — R. K. Fuller, comr. Canals & Waterways, 55 Lancaster St., Albany, Sept. 25, excavating approach chan-

Waterworks (Continued)

nel to barge canal terminal dock, Terminal Contr. 34-D, from J. W. Holler, Inc., Ft. Edward, $26,360. Engrs. est. $31,720. Noted Sept. 3.

Okla., Holdenville — J. Kirk, city clk., Sept. 15, waterworks improvements, incl. 4 motor driven pumps, 25,800 ft. 6- to 15-in. c.i. mains, etc., in various streets, from T. H. White, 1321 West 19th St., Oklahoma City, $116,933. Engrs. est. $128,000. Noted Sept. 10.

Wash., Seattle—Bd. Pub. Wks., Sept. 11, from Florito Bros., 3950 6th St. N. W., mains in Hines St. et al., 105 ft. 4 in. Class "A" c.i. pipe at $1 per ft., 20 ft. 6 in. Class "C" $1.60, 60 ft. 8 in. Class "B" $1.90, 360 ft. 8 in. Class "C" $2, 1,025 ft. 30 in. Class "B" $11.60, 8,600 ft. 30 in. Class "C" $13.50, etc., total $150,001. Engrs. est. $160,881. Noted Sept. 3.

CONTRACTS AWARDED

Mass., Falmouth—Dept. Pub. Wks., Div. Waterways, Boston, dredging about 22,500 cu.yd. material, and removing 100 tons boulders in West Falmouth Harbor, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $11,175. Noted Sept. 17.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, mains, etc., in Arlington, Barkley, Castle Hill, Edison, Edson, Griswold, Hering, Hone, Hunter, Husson, Liebig, Lodovick, Miles, Paulding, Pilgrim, Randall, Rhinelander, Roberts, Seymour and Story Aves., etc., to Norton Eng. & Constr. Co., Inc., 510 West 149th St., $15,000. Noted Sept. 24.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 764, to P. and A. J. Ellis, 4th St. below Wyoming St., $49,083; Contr. 771, to Acme Machine Co., 316 North 17th St., $940; Contr. 772, to J. R. Fox, Jr., 1040 Bridge St., $4,500; Contr. 773, to M. J. McCrudden, 1134 Real Estate Bldg., $11,-890; and Contr. 774, to Michigan Valve Co., 4508 North 8th St., $2,640. Grand total $69,053. Noted Sept. 17.

O., Cleveland—See "Sewers."

O., Columbus—Franklin Co., 9,750 ft. 6 and 10 in. c.i. mains in Sewer Dist. Marion 3, Contr. 80, to H. E. Miller Contg. Co., 938 South High St., $17,854.

O., Columbus—See "Streets and Roads."

O., Maple Heights (mail Cleveland) — Mains in Maple Heights Blvd., Camden, Gardenview, Milan and Raymond Aves., to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $17,052; in Maple Heights Blvd., Hollywood and Clement Aves., to Hadded-Mall Co., Schofield Bldg., Cleveland, $19,446.

Mich., Birmingham—Quarton Lakes Estates, 13,500 ft. 6- to 8-in. c.i. pipe to Coolsaet Bros., 12738 Michigan Ave., Detroit, $26,597; 11,000 ft. 8- to 15-in. sanitary sewers in various streets, to J. E. Steyers, 1257 Book Bldg., Detroit, $18,643; concrete sidewalks on 140,000 sq.ft. various streets, to Otis Cement Constr. Co., 806 Hammond Bldg., $20,098; grading 7,000 lin. ft. roadways, to Hill Bros., Detroit, $6,842. Grand total $72,180. Noted Sept. 17.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., 6- to 12-in. mains in 19 streets, to L. J. Clancy, 3137 Canton Ave., $15,541. Noted Sept. 24.

Wis., Fond du Lac—City, to Natl. Cast Iron Pipe Co., 122 South Michigan Ave., Chicago, Ill., 11,300 ft. 6 in. c.i. pipe at $0.8135 per ft., and 3,000 ft. 4 in. c.i. pipe at $56.50 per ton, etc.

Tex., Megargel — Archer Co. complete waterworks system, to Douglas & Mitchell, c/o Ward Bldg., Wichita Falls, $40,000.

Okla., Davenport—New waterworks, incl. well, tank, 15,600 ft. 4- to 8-in. c.i. mains, etc., to Western Constr. Co., 1116 West Main St., Oklahoma City, $31,200. Engrs. est. $35,000. Noted Sept. 10.

Okla., Red Fork—City will install waterworks and distribution system by day labor; pipes, to U. S. Cast Iron Pipe Co., East Burlington, N. J.; other supplies, to Mid West Pipe & Supply Co., 1452 South 2nd St., St. Louis, Mo. and Tulsa City Water Dept., Tulsa, Okla. Engrs. est. $65,-000. Noted Sept. 10.

Wash., Seattle—Bd. Pub. Wks., completing remaining 368 ft. Lake Youngs water tunnel, to J. M. Clapp, Burke Bldg., $292,660.

Sewers

PROPOSED WORK

Mass., Quincy (Boston P. O.) — Plans sewer extensions in various streets. $30,000. Private plans. Noted June 22.

La., Thibodaux—Election Oct. 6, $30,000 bonds for sewers, pumping plant, etc. Address Mayor.

O., Ravenna — Portage Co., plans sanitary sewer in Aurora Land Co. Dist. $65,-000-$75,000.

Mich., Detroit—Dept. Pub. Wks. making plans 2,686 ft. 5½ to 3½ ft. brick or concrete cylinder sewer in Six Mile Rd. Sect. 10, in Six Mile Rd. from Wyoming to Meyers Rds. P. A. Fellows, city engr.

Mich., Detroit—Dept. Pub. Wks. making plans 2,542 ft. 4½ to 3 ft. cylinder sewer in Bedford Rd. Sect. 4, in Whittier Ave. from Somerset to Whitehall Sts. P. A. Fellows, city engr.

Ill., Rockford—See "Streets and Roads."

Kan., Rossville—Election Oct. 3, $30,000 bonds, in various streets. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Tex., Anson—Takes bids about Oct. 10, extending sewerage system. $51,000. Municipal Engineering Co., 602 Praetorian Bldg., Dallas, engrs. Noted Sept. 3.

Tex., Corpus Christi — Voted $250,000 bonds, additional sewer mains, disposal plant, etc. H. Levinson, city engr.

Tex., Fort Worth—City, O. E. Carr, city mgr., soon takes bids storm sewers in Cantey and Lake Sts. near intersection of Daggetts and Denver Sts., near Park Ave. $35,000. D. L. Lewis, city engr.

Tex., Frost—Soon takes bids waterworks improvements. $65,000. H. B. McAllister, 1315 North 12th St., Waco, engr.

Okla., Enid — Voted $25,000 bonds, improvements to sewerage system and disposal plant. F. C. Magruder, city engr.

Ont., Forest Hills—Made plans approximately 10 mi. vitr. tile sanitary and storm sewers in all streets. $300,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto — East York Twp. plans 2,243 ft. 12- to 27-in. vitr. tile and concrete sewers in Don Mills Rd., Hopedale and Gowan Aves., $40,931. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto—York Twp. plans 4,250 ft. 12 in., etc., vitr. tile sewers in Dynevor and Ennerdale Rds. $27,500. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—York Twp. plans 900 ft. 8- to 12-in. vitr. tile sewer in French Ave. $3,950; 500 ft. in Northcliff Blvd. $2,060; 400 ft. Ronald Ave., 400 ft. Short St., and 650 ft. Ramsden Ave. $7,777; 500 ft. Stubbins Ave., 650 ft. Daisy Ave., 650 ft. Jillson Ave., 1,180 ft. Willard Ave., 550 ft. Priscilla Ave., $19,600; 500 ft. Westmount Ave. $3,950. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

Conn., Hamden (br. of New Haven)—Oct. 5, by Town, 3,000 lin.ft. 8 in. tile and 3,500 lin.ft. 12 in. sewer, etc., in Dixwell Ave. and vicinity, between Pershing and Benham Sts. $25,000.

N. Y., Buffalo — Oct. 23, by Bd. Pub. Wks., Hamburg Canal Drain, 13 x 16 ft., rein.-con. $200,000. C. E. P. Babcock, Municipal Bldg., engr. Noted Sept. 17.

N. Y., East Syracuse—Oct. 15, by Village Bd. Sewer Comrs., North Center St., constructing intercepting sewer and disposal plant. A. G. Card, village engr.; adv. E. N.-R. Oct. 1.

N. Y., Long Island City—Oct. 6, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers, etc. in Rowan Ave. and Bway.; grading, sewers, etc. in Sherwood St., Polk and Rowan Aves.

N. Y., Long Island City—Oct. 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary trunk sewer, etc. in Amstel Ave., Far Rockaway Blvd. and Beach 32nd St.

Pa., Southmont (Johnstown P. O.)—Oct. 12, by Boro Council, R. G. Wertz, boro secy., c/o 809 Johnstown Trust Bldg., Johnstown, 2,000 ft. sanitary sewers, etc., in various streets. $40,000. S. E. Dickey & Co., 809 Johnstown Trust Bldg., Johnstown, engrs.

Pa., Williamsport — Oct. 6, by City Council, C. L. Jones, supt. and B. C. Houck, city clk., 4,000 ft. 8- and 12-in. monolithic rein.-con. box storm sewer, etc. in Prospect and Wayne Aves., Market and Linn Sts. L. Mussina, City engr.

Md., Baltimore—Oct. 7, by Bd. Awards, constructing Run Interceptor, Sect. 3, in Sewer Dist. H-13, Sanitary Contr. 266, 3,100 lin.ft. 38 x 48 in. brick and concrete sewer, 1,600 lin.ft. 8 in. and 1,500 ft. 6 in. underdrain, etc. M. J. Ruark, 311 Courtland St., sewage engr.

S. C., Jonesville—Oct. 8, by Town, Town Hall, water and sewerage system and small disposal plant. W. H. Booker, Charlotte, engr.

Ala., Birmingham — Oct. 15, by City Comn., constructing brick and concrete storm sewer, in 10 blocks 41st St. (Avondale). $145,000.

O., Cleveland—Oct. 7, by City, sewers in Rocky River Drive S. W., Sects. 1 and 2, Broadview Rd., Superior Ave., and East 130th St. To exceed $100,000. R. Hoffman, City Hall, engr.

O., Cleveland — Oct. 28, at office A. K. Hoare, comr. Purchases & Supplies, Room 226 City Hall, constructing Southerly Sewage Treatment Works. G. B. Gascoigne, Leader-News Bldg., consult. engr.; adv. E. N.-R. Oct. 1.

O., Medina—Oct. 5, by Comrs. Medina Co., sewers and water mains in Briarwood Dist. To exceed $25,000. R. F. MacDowell Co., 1770 East 11th St., Cleveland, engrs.

O., Willoughby (mail South Park)—Oct. 28, by City of Cleveland, sewage disposal plant, here. $2,300,000. G. B. Gascoigne, Leader-News Bldg., engr.

Ind., Evansville — Oct. 14, by Bd. Pub. Wks., W. F. Wunderlich, clk., constructing Howard Roosa Sewer; adv. E. N.-R. Oct. 1.

Mo., University (Ind. branch of St. Louis) —Oct. 7, by City Clerk, several miles 6- to 21-in. sanitary sewers, etc. in North and South Joint Sewer Dist. $33,000. W. A. Heimbuecher, City Hall, engr.

BIDS RECEIVED

N. Y., Buffalo—City, Sept. 18, constructing 15- to 20-in. dry weather flow sewer in lower terrace, Erie and Lock Sts. and Lower Terrace between Church and Pearl Sts., also 10 and 12 in. tile sewer in Mechanic St., and 10 in. in Charles and Henry Sts., between Lower Terrace and Erie Canal, from L. Di Pasquale, 126 Erie St., $57,900.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., Sept. 22, sewer, etc. in Cornell Ave., etc., from Spad Arrow, Inc., 169th St. and Harlem River, $612,570, in Potter Pl., etc., from A. Gregorio & Co., Inc., 1121 Nelson Ave., $114,650. Noted Sept. 17.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., North Side Sewerage Treatment Project, Div. L, centrifugal pumping equipment, incl. four 8,100 gal. capacity sludge return pumping units, two 1,000 gal. capacity waste sludge pumping unit and appurtenances, complete, from Amer. Well Wks., 112 North Bway., Aurora, $31,500; Div. O, 85 gang operated disconnecting switch mechanisms, with appurtenances, etc., from Delta Star Electrical Co., 2437 Fulton St., Chicago. $22,900. Noted July 9.

Calif., Los Angeles—Sewers in 15,000 ft. M St. between Call and Goodrich Aves., from P. J. Akmadzick, 821 Yale St., $45,913, engrs. est. $62,058; 10,000 ft. Ashmore Pl. from M. J. Simonovich, 916 Depot St., $15,-643, engrs. est. $15,797; and 5,000 ft. Springvale St., from H. R. Erdman, 210 North Wilson St. $9,378, engrs. est. $9,556.

CONTRACTS AWARDED

O., Cleveland—For 3,758 ft. 5 ft. concrete intercepting sewer in Big Creek, to Donnelly-Milter Constr. Co., 1251 East 84th St., $107,160. Noted Sept. 10.

O., Cleveland — Cuyahoga Co., 6,700 ft., 8- to 54-in. concrete sewers in Impvt. 700, to Langahan Constr. Co., Marshall Bldg., $103,691. Noted Sept. 24.

O., Cleveland—Cuyahoga Co., sewers in Impvt. 97, to Gantose Constr. Co., Columbia Bldg.; and watermains in impvt. 353, to George & Ameen Co., Erie Bldg., $11,071. Noted Sept. 10.

O., Columbus—See "Streets and Roads."

O., Maple Heights (mail Cleveland) — Sewers in Camden, Gardenview and Maplewood Aves., to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $15,920; in Clement, Edgewood and Waterbury Aves., to Hadded-Mall Co., Schofield Bldg., Cleveland, $13,570. Noted June 18.

Mich., Birmingham—See "Waterworks."

Mich., Detroit—Dept. Pub. Wks., 2,399 ft. Connors Creek Sewerage System, Outlet Sect., to G. R. Cooke Co., 1260 Penobscot Bldg., $814,969. Noted Sept. 10.

Mich., Grand Rapids—Director Pub. Service, Comn. Room, City Hall, Bway. Ave. Relief Sewer, Contr. R-3, to C. A. Handeyside Constr. Co., 1758 Penobscot Bldg., Detroit, $161,961. Noted Sept. 3.

Ill., Rockford—Bd. Local Impvts., grading, improving 18th St. and 13th Ave., 10,-220 lin.ft. integral concrete curbing, 5,645 cu.yd. earth excav., 17,175 sq.yd. each grading and concrete paving, 4,065 lin.ft. 8- to 27-in. concrete sewer pipe, to Milburn Bros. Co., 18th and Charles Sts., $65,000. Engrs. est. $74,500.

Ill., Taylorville — Taylorville Sanitary Dist., sewers in various streets, 1,450 ft. 72 in. and 1,300 ft. 54 in. monolithic concrete or segmental block, and 8,416 ft. 18 in. vitr. clay pipe, 220 manholes, etc., to Gjellefald-Chapman Constr. Co., Forest City, Ia., $90,381. Noted Sept. 3.

Ia., Council Bluffs—For 12,575 ft. 15- to 48-in. concrete bell type sewers, etc. in various streets, to H. J. Peterson Co., 402 Federal Reserve Bldg., Omaha, Neb., $74,-273. Engrs. est. $96,000. Noted Aug. 6.

Sewers (Continued)

Okla., Depew—For 7,500 ft. 6- to 10-in. vitr. clay sanitary lateral sewers, etc. in Sewer Dist. 1, to J. Tibbey, 1121 West 31st St., Oklahoma City, $29,600. Engrs. est. $32,000.

Okla., Holdenville — Improvements to sewerage system, incl. 12,500 ft. 8- to 15-in. vitr. clay pipe, 2 sewage disposal plants, Imhoff tanks, etc., to Park & Moran, 210 South Seminole St., Okmulgee, $83,354. Engrs. est. $93,000. Noted Sept. 10.

Co'o., Denver—Sanitary sewer in Special Sewer Dist. in Section of North Highlands, to Gordon Constr. Co., Barclay Bldg., $76,-433. Noted June 11.

Ont., Toronto—East York Twp., 3,031 ft. 48 in. diam. and 923 ft. 54 in. diam. concrete trunk sewer in 2nd Ave., to Nelson River Constr. Co., Bank of Hamilton Bldg., $89,300. Engrs. est. $70,000. Noted Sept. 24.

Waste Disposal

PROPOSED WORK

Mass., Everett (Boston P. O.)—City, F. P. Greenwood, chn. com., 23 Ferry St., plans incinerator plant.

BIDS DESIRED

Fla., Lakeland — Oct. 13, by City, A. Schneider, city mgr., garbage incinerator, of 40 ton capacity in 10 hrs. C. C. Brown, city mgr.; adv. E. N.-R. Oct. 1.

Mich., Iron Mountain—Oct. 19, by H. C. Lindholm, city clk., rebuilding garbage incinerator, incl. 2 new units, chimney, etc. F. W. Hartmann, city engr.

Bridges

PROPOSED WORK

Fla., Tampa—A. J. Simms & Co., Citizens Exch. Bldg., plans bridge over Hillsborough River, at Michigan Ave. $350,000. N. S. Sprague, 1011 Bessemer Bldg., Pittsburgh, Pa., engr.

Miss., Vicksburg—State Hy. Dept., Jackson, soon takes bids steel and concrete bridge on creosoted timber approaches ¼ mi. long across Yazoo River at Snyders Bluff, near here. $250,000. H. H. Henry, highway comr.

Ill., Chicago — Soon takes bids superstructure 187 ft. double leaf bascule bridge, 62 ft. over south branch Chicago River at Adams St. T. G. Phlfeldt, City Hall, engr. Noted Aug. 20.

Kan., Ottawa — Making plans 240 ft. rein.- con. and steel bridge, 40 ft., over Madrias des Cygnes River, at Main St., to replace present steel and timber bridge. $100,000. M. O. Myers, city engr. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., consult. engrs.

Missouri — State Hy. Dept., Jefferson City, making plans one 40 ft. rein.-con. deck girder span, etc., over Arthur Creek, Texas Co.; four 45 ft. rein.-con. deck girder spans, etc., over Dr Valley, and one 45 ft. rein.-con. deck girder span, etc., over Holt Creek, both in Dent Co.; three 30 ft. rein.-con. deck girder spans, etc., over Red Creek, and one 35 ft. rein.-con. deck girder span, etc., over Missouri Pacific R.R. tracks, both in Iron Co.; two 10 ft. rein.-con. slab spans, etc., over stream, Madison Co.; three 20 ft. rein.-con. slab spans, etc., over White Comb Creek, Lincoln Co.; one 24 ft. rein.-con. slab span and one 35 ft. rein.-con. deck girder span, etc., over Breton Creek, one 80 ft. steel truss span, etc., over Cedar Creek, and three 80 ft. steel truss spans, etc., over Big River, all foregoing in Washington Co.; one 16 ft. and two 14 ft. rein.-con. slab spans, etc., over Ragdan Slough, one 18 ft. and two 16 ft. concrete slab spans, etc., over Varney River D. D., one 24 ft. and two 20 ft. rein.-con. slab spans, etc., over drainage ditch, and thirty 20 ft. I-beam spans, etc., over Francis River, all foregoing in Dunklin Co.; four 35 ft. rein.-con. deck girder spans, etc., over Bryant Creek, Douglas Co., one 80 ft. steel truss span, etc., over Sulphur Creek, Howard Co.; five 90 ft. rein.-con. arch spans, etc., over middle fork Black River, Reynolds Co.; three 20 ft. I-beam spans, etc., on road route 16 to Big Lake, Mississippi Co.; one 120 ft. steel truss span, etc., over Black River, three 16 ft. rein.-con. slab spans, etc., on Sta. 224 plus 24, three 20 ft. rein.-con. slab spans, etc., on Sta. 39 plus 85, three 20 ft. rein.-con. slab spans, etc., on Sta. 247 plus 65, three 24 ft. rein.-con. slab spans, etc., on Sta. 664 plus 30, ore 40 ft. and two 30 ft. rein.-con. deck girder spans, etc., on Sta. 615 plus 00, and three 25 ft. rein.-con. deck girder spans, etc., on Sta. 564 plus 70, all foregoing in Butler Co. B. H. Piepmeier, highway engr.

Tex., Carthage—See "Streets and Roads."

Tex., Del Rio—Texas—Coahuila Bridge Co., Eagle Pass, making plans rein.-con. and steel bridge over Rio Grande River, near here. $200,000. Private plans.

Tex., Eagle Pass — Texas — Coahuila Bridge Co., making plans rein.-con. and steel bridge across Rio Grande River, near here. $125,000. Private plans.

Tex., La Grange — See "Streets and Roads."

Tex., San Antonio — Bexar Co. voted $600,000 bonds, for 3 bridges. A. C. Pancoast, 102 Turner St., co. engr. Noted Aug. 27.

BIDS DESIRED

Mass., Southwick—Oct. 6, by Dept. Pub. Wks., Boston, reconstructing concrete bridge on section highway, here. $25,000. W. F. Williams, comr.

R. I., Providence—Oct. 7, at office State Bd. Pub. Rds., State House, State Bridges 28, 60, 72 and 203; adv. E. N.-R. Oct. 1.

W. Va., Wayne — See "Streets and Roads."

North Carolina—Oct. 13, by State Hy. Comn., Raleigh, rein.-con. bridges and culverts on Project 241, Johnston Co., $28,000; on Project 394, Robeson Co., $94,000; on Project 745, Forsyth Co., $42,300; on Project 523, Davidson Co., $32,000; on Project 753-B, Stokes Co., $40,000; on Project 347, Cumberland Co., $34,000; and on Project 948, Haywood Co., $37,000. C. M. Upham, highway engr.

South Carolina—Oct. 20, by Dept. Highways, Columbia, six 15 ft. span treated timber bridges over South Edisto River, Barnwell-Orangeburg Co., on State Route 1, Federal Aid Project 262, A. T. Brown, Scovill Bldg., Orangeburg, engr.; also 1,421 ft. bridge, incl. twenty-six 35 ft. rein.-con. spans on concrete bents and three 168 ft. steel trusses on concrete piers, incl. 358,459 lb. reniforcing, on State Route 9, Federal Aid Project 269, known as Catawba River Bridge, Chester-Lancaster Counties, State Hy. Engineer, Columbia, engr.

Fla., Miami—Oct. 27, at office Shorland Co., 125-127 East Flagler St., 2 rein.-con. bridges, one double leaf bascule draw bridge, 2,000 ft. long, across north end of Biscayne Bay, Dade Co., known as bridge section of Miami Shores Causeway. H. Stanley, 105 Northeast 2nd Ave., consult. engr.; adv. E. N.-R. Oct. 1.

Ala., Birmingham—Oct. 5, by Southern Ry. Co., 1300 Pennsylvania Ave., Wash., D. C., 400 ft. concrete viaduct, 60 ft., over railroad tracks, at 24th St., here, for City and Southern Ry. Co. $350,000. B. Herman, 1300 Pennsylvania Ave., Wash., D. C., ch. engr.

Kan., Emporia — Oct. 16, by C. G. Whitaker, clk. Lyon Co., two 140 ft. rein.-con. and steel bridge, 20 ft. or two 140 ft. through arch span bridge over Neosho River, near here, also grading 0.489 mi. road 28 ft. W. S. Ruggles, Emporia, and A. T. Patterson, Burlington, engrs. Noted March 12.

Mo., Hermann—Oct. 6, by M. Neumann, Jr., clk. Gasconade Co., three span 240 ft. steel truss bridge, etc., over Bourbois River, on Owensville-Cuba Rd. J. C. Danuser, Court House, engr.

Texas and Oklahoma—Oct. 23, by E. P. Walsh, aud. Wichita Co., Wichita Falls, Tex., rein.-con. bridge over Red River, on Federal Aid Project 491, between Burkburnett, Tex., and Randlett, Okla.; adv. E. N.-R. Oct. 1.

Tex., Houston—Oct. 19, by City and Harris Co., at office City Secretary, 1 single leaf bascule steel span bridge across Houston Ship Channel, near 69th St. O. F. Holcombe, mayor. H. L. Washburn, co. aud.

BIDS RECEIVED

Maine—State Hy. Comn., Augusta, from Cyr Bros. Co., Waterville, rein.-con. bridges on section highway in Newfield $6,572, in Carmel $11,282, in Phillip $10,723, in Mechanic Falls $10,001; from Ulric Metizler, Rumford, 2 rein.-con. bridges in Peru $8,233 and $4,172 respectively; from Ames Constr. Co., Somersworth, N. H., rein.-con. bridge in Newfield, $4,172.

New Hampshire — See "Streets and Roads."

Tex., Barstow—See "Streets and Roads."

Wash., Hoquiam — City Comn., Sept. 9, 40 ft. span, hand operated bascule bridge over Little Hoquiam River, from Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, $31,758. Noted Aug. 27.

CONTRACTS AWARDED

Vermont—Dept. Highways, State House, Montpelier, 130 ft. concrete arch open spandrel type bridge with concrete trestle approaches, incl. 158,000 lb. reinforc[illegible] etc., to Hoyt Constr. Co., Holyoke, M[illegible] $44,733.

Mass., Lowell—City, rein.-con. bridge [illegible] approaches on Bridge St., to B. H. Wi[illegible] Co., 150 Market St., $21,972. Engrs. [illegible] $25,000. Noted Aug. 13.

Fla., Boca Raton—Mizner Developm[illegible] Corp., A. Mizner, pres., Palm Beach, 4[illegible] steel and gunite covered double bas[illegible] bridge across Florida East Coast Canal [illegible] necting Camino Real with Ocean Blvd., [illegible] constructing Camino Real from Dixie Hi[illegible] way to Sect. 26, etc., here, to Dwight [illegible] Robinson Co., 125 East 46th St., New Y[illegible] City.

Ky., Cadiz—State Hy. Dept., Frankf[illegible] 190 ft. steel span bridge over Little Riv[illegible] on Federal Aid Project 11-C-B, Trigg [illegible] here, to Farris Bridge Co., 3rd Natl. Bank Bldg., Cumberland, Md., $35,470.

Ill., Chicago — City, substructure 187 ft. double leaf bascule bridge, 62 ft. over south branch Chicago River, at Adams St., to Fitzsimmons & Connell, Dredge & Dock Co., 10 South La Salle St., $405,250. Engrs. est. $420,000. Noted Aug. 20.

Kan., Hutchinson—Reno Co., two 48 ft. span deck girder bridge, 20 to 24 ft. roadway, etc. over 4th Ave., on Project 27-J, to Tomlinson Bridge & Supply Co., Hutchinson, $53,346. Noted Aug. 27.

Kan., Reno — Hutchinson Co., ten 45 ft. span concrete deck girder bridge, at 4th Ave., to Tomlinson Bridge & Supply Co., Hutchinson, $53,346. Engrs. est. $82,276.

Tex., Orange—Orange Co. and Louisiana Hy. Comn., Baton Rouge, La., 1.3 mi. timber pile trestle bridge approach (on Louisiana side only), for bridge across Sabine River, on Highway 3, near here, to W. H. Smith, Beaumont, $175,000. Noted Sept. 17.

Oklahoma — State Hy. Dept., Oklahoma City, 2 span 180 ft. steel truss bridge on concrete piers, 11.3 tons reinforcing, 32,700 ft. wooden piling, etc., at Clinton, Custer Co., to Kansas City Bridge Co., 809 West Grand St., Oklahoma City, $30,927, engrs. est. $35,000; 2 span 210 ft. steel truss bridge on concrete piers, 14.4 tons reinforcing, etc., at Guthrie, Logan Co., to Stone & Johnston, Perry, $25,534, engrs. est. $30,-000. Noted Sept. 10.

Washington—State Hy. Dept., Olympia, to L. Romano Co., 123 23rd St. S., Seattle, constructing two 150 ft. steel through trusses and 140 ft. rein.-con. T-beam approaches over Puyallup River, on State Rd. 5, Pierce Co., 1,900 cu.yd. excav. at $5 per cu.yd., 375 cu.yd. Class A concrete $20, 585 cu.yd. Class B and C concrete $17, 225 cu. yd. Class E concrete $16, 95,000 lb. reinforcing $0.05, 374,000 lb. structural steel $0.06, etc., total $63,845. Noted Aug. 27.

Calif., Oakland—Alameda Co., rein.-con. bridge over San Lorenzo Creek, at Hazel Ave., to H. W. Rohl, 624 Market St., San Francisco, $33,503. Noted July 23.

Dams

PROPOSED WORK

Mass., Monroe (mail Readsboro, Vt.)—See "Buildings—Industrial."

Tex., Pearsall — See "Excavation, Drainage, Irrigation, Levees."

Railways

PROPOSED WORK

New Jersey — Phila. & Reading R.R., S. T. Wagner, ch. engr., Reading Terminal Sta., Phila., plans improving freight yards, also new tracks and concrete drives, here. $25,000. Private plans.

Ohio—Baltimore & Ohio R.R. Co., Baltimore and Charles Sts., Baltimore, Md., H. A. Lane, ch. engr., plans double tracking between Sterling and Warwick Sts., in Doylestown, here. $600,000.

BIDS DESIRED

Massachusetts—See "Contracts Awarded."

CONTRACTS AWARDED

Massachusetts—Boston Elevated Ry. Co., Park Sq. Bldg., Boston, will build new railroad track from Medford-Somerville line to Ellis Ave., South Medford, also rein.-con. pavement between rails, by day labor. To exceed $25,000. Private plans.

Ontario—York Transportation System, 40 Jarvis St., Toronto, 9 in. concrete base for 2 mi. double track electric street railway from Toronto to Weston, to Johnson Bros. Ltd., 43½ Market St., Brantford, about $200,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Tex., El Paso—El Paso Co. election soon $1,500,000 bonds, irrigating approximately 35,000 acres. R. Hartwell, mgr. project.

Tex., Pearsall — Frio Co. Irrigation Dist. election soon $5,000,000 bonds, to irrigate approximately 50,000 acres, also constructing 2 dams, one across Frio and other across Leona Rivers.

Tex., Port Arthur — Soon takes bids dredging slip in Sabine-Neches ship channel for vessels in local waters. $100,000. J. O. Herpin, Port Arthur, engr.

BIDS DESIRED

Ill., Bloomington—Oct. 3, at office Hall & Martin, Hoose & Depew, Unity Bldg., by Comrs. Sub. Dist. 1, Sangamon River D. D., McLean Co., 72,350 ft. 8- to 24-in. tile, 2 concrete headwalls incl. 10 cu.yd. concrete each, etc. Taylor & Waltman, Unity Bldg., engrs.

Ill., Decatur—Oct. 12, by Comrs. Illinois Special D. D., Macon and Logan Counties, at office C. H. Patterson, clk., Court House, cleaning, deepening and widening 22,100 ft. main open ditch, removing 159,239 cu.yd. earth, and digging 10,300 ft. new ditch, 134,484 cu.yd. excav., etc. Goodall & Millard, Beardstown, engrs.

Tex., Brownsville — Jan. 1, by Cameron Co., O. C. Dancey, judge, earth work and structures for flood prevention. $1,000,000.

N. S., Port Mouton — Oct. 6, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, Ont., dredging here. $15,000.

BIDS RECEIVED

Tex., Edinburg—Hidalgo Co. Flood Prevention Dist., 65 mi. levees to control flood waters along Sardinas Resaca from Rio Grande to Cameron Co. line, 5,500,000 yd. dirt work, etc., to W. L. Pearson & Co., McAllen, $914,706. Noted May 28.

Calif., Vista — Vista Irrigation Dist. 2 circular concrete reservoirs, 100 ft. diam. for A and C laterals, also 3 for E-1, E-12, and F laterals, from D. H. Ryan, 215 6th St., San Diego, $15,182 and $21,484 respectively; also earth fill dam, 83,000 cu.yd. embankment, from L. J. Turner, 205 East 1st St., Long Beach, $52,565. Noted Sept. 18, 1924.

CONTRACTS AWARDED

Wis., Milwaukee—E. Brielmaier & Sons plain foundation, Center St., to E. Radtke, archts., 432 Bway., excavation for 4 story and basement, 75 x 100 ft., brick addition, 1405 Louis Ave., for St. Marys Convent, 3502 Center St. Noted Sept. 17.

Ia., Sidney — Fremont Co., for Nishnabotna D. D. 6, main ditch and laterals, incl. 1,226,000 cu.yd. excav., to Reese Constr. Co., Sidney, $85,000.

Streets and Roads

PROPOSED WORK

Mass., Boston — Making plans widening and reconstructing Arlington St. (Park Sq. section end). $500,000. J. F. Sullivan, secy. Street Layingout Dept.

Mass., Boston — Making plans granite block repaving Pemberton Sq. $25,000. J. F. Sullivan, secy. Street Layingout Dept.

Mass., Melrose—Plans extending Greenwood St. and reconstructing Belmont Park, connecting to Lynn Fells Parkway. $25,000. Noted July 16.

R. I., Providence — Plans reconstructing Whitford Ave., Sisson and Killingly Sts. $25,000. W. F. Slade, comr. Dept. Pub. Wks.

New Jersey — State Hy. Dept., Trenton, making plans concrete paving South Amboy Cliffwood Rd., in South Amboy, Middlesex Co. (New Brunswick). W. G. Sloan, highway engr.

N. J., Asbury Park—City Comn. plans grading and graveling, etc., Dunlewet St., 4th, Central, Prospect, Drummond, Ridge and 3rd Aves. $75,000. N. Rogers, city engr. Noted July 16.

N. J., Camden—Centre Twp. Com. Camden Co., plain asphaltic concrete paving Bway. and Browning Lane. $57,000. B. M. Schumucker, Haddon Heights, engr.

N. J., Lavallette — Boro. plans grading and graveling New Brunswick, Ortley and Brown Aves. $35,000. Engineer not selected.

N. J., Metuchen — Middlesex Co. (new Brunswick) plans repaving Main St. $45,000. Address Common Council. Engineer not selected.

Fla., Panama City — Election Sept. 29, $150,000 bonds constructing various streets. D. Gillis, mayor.

Miss., Gulfport — Harrison Co. making surveys paving, etc. 17.5 mi. Magnolia Route from point 3.5 mi. north of here, to Stone Co. line. W. S. Hawkins, Gulfport, engr.

Miss., Winona—Montgomery Co. defeated $75,000 bonds, for roads in Beats 4 and 5. Noted Sept. 3.

La., Cedar Grove—Election soon $90,000 bonds permanent paving 15 blocks various streets. C. D. Evans, 309 Levy Bldg., Shreveport, city engr.

La., Thibodaux—Election Oct. 6, $75,000 bonds, rein.-con. sidewalks and hardpaving 12 blocks business streets. Address Mayor.

La., Vidalia—Concordia Parish soon takes bids grading and graveling road from Wildsville to Monterey, $75,000; road encircling Lake St. John, $25,000; and in Deer Park Section, $50,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 20 mi. Decatur-Kingston Rd., Meigs Co. J. G. Creveling, highway comr.

O., Columbus — Making plans grading, laying necessary water mains and sewer connections and paving 1,359 ft. Mooberry St., 24 ft., brick $75,908, asphalt $10,379. R. H. Simpson, city engr.

Mich., Detroit—Made plans grading, berea or concrete curbing, and 3½ in. sheet asphalt on 8 in. concrete paving 4,100 sq.yd. Julian St. from Livernois to Prairie Sts., 2,490 sq. yd. Medina St. from Cary to West Jefferson Sts., 4,190 sq.yd. Washburn St. from Plymouth to Grand River Sts., 1,310 sq.yd. Fortune St. from Mackee to Sire Sts., 5,500 sq.yd. Cecil St. from Wagner to Burwell Sts., 83,100 sq.yd. Prairie St. from Warren to Tireman Sts., 2,000 sq.yd. Reid St. from West Jefferson to Holly Sts., 2,090 sq.yd. Kentucky St. from Keeler to Midland Sts., 4,010 sq.yd. Constance St. from Livernois to Prairie Sts., 6,200 sq.yd. Pinehurst St. from Buena Vista to Schoolcraft Sts., 60,000 sq. yd. Sects. 1 and 2, Mount Elliott St., 3,530 sq.yd. Holmes St. from Vernor to Proctor Sts., 2,200 sq.yd. Larkins St. from Kirkwood to Burwell Sts., 3,220 sq.yd. Chopin St. from Kirkwood to Venor Sts., and 6,670 sq.yd. Byron St. from Boston to Webb Sts. P. A. Fellows, city engr.

Ill., Canton — Bd. Supervs. Fulton Co. plans grading and rein.-con. surfacing 1.5 mi. Sect. X-15-D, connecting with West Vine St. and extending into county, 16 ft. $36,540. E. F. Motsinger, City Hall, engr.

Ill., Chicago — Bd. Local Impvts., Room 207, City Hall, takes bids after Oct. 5, improving 1,400 ft. South Water St., Sects. 5-B-C-7 and 8 from west line La Salle St. to east line State St., 135 ft., incl. concrete substructures, superstructures, docks, retaining walls, etc. $2,100,000. T. A. Evans, 160 North La Salle St., engr.

Ill., Rockford — Winnebago Co. plans grading, curbing and 18 ft. slab rein.-con. surfacing 1.5 mi. 14th Ave. Rd., 30 ft. $45,000. A. C. Carter, Court House, engr.

Ill., Rockford—Plans grading, curbing and concrete surfacing, etc., 4 blocks Benderwirt Ave., Regan St., Lakin Terrace and alley between Jackson and Crosby Sts.; also sewers in 20th St. and 14th Ave., $38,870. B. C. Harvey, City Hall, engr.

Ill., Staunton—State Hy. Dept., Springfield, making preliminary plans grading, curbing and concrete surfacing 4 mi. road here, 18 ft. and city plans paving strip on each side of above making width 30 ft. $100,000 or more. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Minn., St. Paul — Ramsey Co. making plans paving, etc., approximately 8 mi. Sibley Memorial Highway, Ramsey and Scott Counties. $250,000. P. N. Coates, 900 Guardian Life Bldg., engr.

Kan., Paola—Making preliminary plans grading, curbing, brick, concrete or asphalt surfacing 9 blocks various streets. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Kan., Wellington—Sumner Co. soon takes bids sand clay surfacing 11.899 mi. Coal Oil Highway, 18 ft., Federal Aid Project 323-A. H. A. Marshall, 111 Stephens St., Topeka, consult. engr. J. N. Marty, Wellington, co. engr.

Missouri—State Hy. Dept., Jefferson City, making plans grading 21.2 mi. roads in Butler Co.; 30 ft. grading 40.8 mi. roads in Dent, Douglas, Stoddard, Laclede, Madison and Reynolds Counties; 9 ft. concrete paving 25.2 mi. roads in Butler and Mississippi Counties; 16 ft. gravel surfacing 12.2 mi. roads in Dunklin and Pulaski Counties; and 18 ft. gravel surfacing 24.8 mi. roads in Texas, Iron Washington, Howard and Lincoln Counties. B. H. Piepmeier, highway engr.

Tex., Abilene—Taylor Co. making plans bituminous macadam surfacing 1.63 mi. Federal Aid Project 444-G, Highway 1, extending east from Nolan Co. line, $37,000; also 10 mi. road west from Abilene, $225,000. L. C. McCanlies, Abilene, engr.

Tex., Boston—Bowie Co. making plans grading, gravel surfacing, etc., 3 mi. Simms Rd., State Highway 98, 16 ft. $40,000. F. E. Hess, Boston, engr.

Tex., Breckenridge—Stephens Co. making plans bituminous macadam surfacing 16.83 mi. road from Breckenridge to Throckmorton Co. line, 18 ft. $210,000. G. E. Franklin, Breckenridge, engr.

Tex., Bryant—Brazos Co. election soon $2,000,000 bonds hardsurfacing about 48 mi. road. Address County Judge.

Tex., Carthage—Panola Co. making plans grading, bridging and iron ore gravel surfacing 5.21 mi. African Ridge Rd., State Highway 64, 16 ft., $79,500; grading and five bridges on 5.87 mi. Grand Bluff Rd., State Highway 8, 26 ft., $84,200. D. E. Martin, Carthage, engr.

Tex., Cuero—Voted $250,000 bonds hardsurfacing 10 mi. Hochheim-Yoakum Rd. in Rd. Dist. 1, DeWitt Co. Terrill Bartlett Engineers, Inc., Calcasieu Bldg., San Antonio, engrs. Noted Aug. 20.

Tex., Cuero — De Witt Co. election Oct. 24th, $90,000 bonds hardsurfacing 10 mi. highway from boundary of Yorktown Dist. through Nordheim to Karnes Co. line. State and Federal Aid appropriate $90,000 toward cost. Address S. Kulawik, Cuero, co. judge.

Tex., Dallas — Dallas Co. making plans gravel surfacing 3.2 mi. State Highway 78, Sachse to Collin Co. line, 18 ft. $30,000. R. H. Clinger, Dallas, engr.

Tex., Decatur—Defeated $1,000,000 bonds, constructing various roads. H. R. Smith, Decatur, co. engr.

Tex., Gatesville—Election soon $30,000 bonds paving various streets. Engineer not announced.

Tex., Halletsville — Lavaca Co. making plans hardsurfacing road from Sweet Home to Halletsville Rd. $150,000. W. H. Koether, Halletsville, co. engr.

Tex., Hempstead — Waller Co. election soon $1,250,000 bonds hardsurfacing about 60 mi. various roads. Address County Engineer.

Tex., Karnes City—Karnes Co. election Oct. 21, $100,000 bonds, hardsurfacing 7 mi. highway from DeWitt Co. line through Runge to San Antonio River, 18 ft.

Tex., La Grange—Fayette Co. election Oct. 3, $25,000 bonds improving highway in Rd. Dist. 1. R. E. Schiller, La Grange, engr. Noted Sept. 17.

Tex., Navasota—Making plans concrete paving about 9 blocks Judson St. $50,000. R. H. Brule, Navasota, engr.

Tex., Rock Springs—Edwards Co. election soon $50,000 bonds hardsurfacing about 6 mi. Rock Springs-Del Rio Rd., 18 ft. W. Simpson, Natl. Bank Commerce Bldg., San Antonio, engr.

Tex., San Angelo—Tom Green Co. voted $500,000 bonds hardsurfacing 74 mi. State Highways 9-30-99, 18 ft. State and Federal Aid appropriate $500,000 toward cost. J. T. Mathison, San Angelo, co. judge. Noted Sept. 3.

Tex., Terrell — Election soon $25,000 bonds paving various streets. Engineer not announced.

Tex., Waco — Voted $250,000 bonds permanent paving various streets. V. G. Koch, city engr. Noted Sept. 3.

Okla., Enid — Making surveys grading and paving 43 blocks various streets, 26 to 56 ft. $227,600. F. C. McGruder, Enid, engr.

Okla., Guthrie—Soon takes bids hardsurfacing about 12 blocks in Dist. 3. $60,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Snyder — Making plans grading, curbing and sheet asphalt surfacing 5 blocks Main St., 76 ft. $55,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

California — State Hy. Comn., Sacramento, plans widening and straightening road between Boulder Creek and Big Basin into Redwood Park, $10,000; widening shoulders on road near Richvale, Butte Co., $1,000; granite surfacing road from Bullion Bend to Fresh Pond Grade, $2,400; repairing highway from Redwood Highway to Talamadge State Hospital; improving causeway across Middle Lake, east of Cedarville, Modoc Co.; concrete surfacing bridges, Tehama Co.; widening and straightening work between Laguna Summit and Cottonwood Creek, San Diego Co., $17,000, and resurfacing 3 mi. Chittenden Pass Highway, $11,790. R. M. Morton, Forum Bldg., Sacramento, state engr.

Calif., San Luis Obispo—Voted $225,000 bonds, asphaltic concrete paving 17.18 mi. road from Toro to Cambra.

Ont., Toronto—York Twp. plans bitulithic on concrete paving 18,000 sq.yd. Eglington Ave. from Dufferin to Gilbert Sts.,

Streets and Roads (Continued)

$65,630; concrete sidewalks on Montcalm Ave. $1,580, Humewood Dr. $1,635, Mayfield Ave. $2,380, Foxwell Ave. $1,440, Gloucester Grove $1,725, Glenholme Ave. $805, Rambert Ave. $830, Rogers Rd. and Hillary Ave. $4,750, Aileen and Falsworth Aves. $5,658, Kenora Crescent $2,165, Runnymede Rd. $7,008; grading Richardson Ave., $2,950. F. B. Goedike, 40 Jarvis St., Toronto, engr.

BIDS DESIRED

Mass., Boston — Oct. 9, by Dept. Pub. Wks., sheet asphalt or bitulithic paving, and sewerage works in Morton St. from Morton Rd. to Canterbury St. $80,000. J. A. Rourke, comr.

Mass., Medford (Boston P. O.)—Oct. 2, by Mayors Office, Medford Bldg., Medford Sq., concrete paving Main St. $25,000. E. A. Gaffey, comr.

Rhode Island—Oct. 14, by State Bd. Pub. Roads, State House, Providence, 8 in. rein.-con. surfacing 4.21 mi. Federal Aid Project 28, Barrington and East Providence Old Barrington Rd., Contr. 2513; adv. E. N.-R. Oct. 1.

N. Y., Olean—Oct. 13, by Common Council, at Council Chamber, City Hall, storm water sewer and bitulithic repaving North Union St. G. R. Miles, city engr.; adv. E. N.-R. Oct. 1.

N. Y., St. George—Oct. 6, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Edgewater St.; grading and bituminous macadam paving Hoyt Ave.

N. Y., St. George—Oct. 7, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam repaving within franchise area on Staten Island Midland Railway about 100 ft. east; and bituminous concrete repaving Yetman Ave.

N. Y., St. George—Oct. 8, by J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block repaving Richmond Terrace.

N. Y., Yonkers—Oct. 14, by Park Comn. Westchester Co., 72 West Pondfield Rd., Bronxville, grading and rein.-con. paving Nepperhan Heights Sect. of Saw Mill River Parkway from 2nd St. to point 1,500 ft. north of Yonkers Ave., here. J. Downer, ch. engr.; adv. E. N.-R. Oct. 1.

New Jersey — Oct. 19, by State Hy. Comn., Trenton, rein.-con. paving 22,851 sq.yd. Route 4, Sect. 34, Keyport Cutoff, Monmouth Co. A. L. Grover, secy.; adv. E. N.-R. Oct. 1. Noted Sept. 24.

Pa., Montgomery—Oct. 8, by Boro Council, W. E. Schnee, secy., Farmers & Citizens Natl. Bank Bldg., grading, curbing, concrete paving, etc., 3,000 ft. Houston Ave., Heilman and Penn Sts. $40,000. M. C. Krause, Williamsport, engr.

Pa., Phila.—Oct. 6, by Dept. Pub. Wks., Bureau of Highways, (Schedule A) grading 63,248 cu.yd. Eastwick, Kendwick and Lerge Sts.; (Schedule B) asphalt paving 45,835 cu.yd. 14 streets; (Schedule C) improving 28,768 cu.yd. 3 country roads; (Schedule D) asphalt repaving 5,153 sq.yd. 16th St.; (Schedule E) redressed granite block repaving 27,853 sq.yd. 3 streets; (Schedule F) grading 9,638 cu.yd. and paving 13,845 cu.yd. Sun Ave. and Ferndale St.; (Schedule G) furnishing 4,000 tons crushed pebbles; and (Schedule H) erecting gates at South Street Bridge, etc. G. H. Biles, dir.

D. C., Wash.—Oct. 8, by Dist. Comrs., Room 509 Dist. Bldg., grading approximately 35,100 cu.yd. various streets.

Maryland—Oct. 6, by State Roads Comn., Baltimore, concrete paving 0.34 mi. Contr. A-39, Allegany Co. J. N. Mackall, chn.; adv. E. N.-R. Oct. 1.

Md., Baltimore—Oct. 7, by Bd. Awards, grading, curbing, granite block and concrete paving 13,140 sq.yd. streets listed in Contr. 304-OCOANA; also sheet asphalt paving, etc., 12,100 sq.yd. streets listed in Contr. 303-OCOA. S. Purcell, highways engr.

W. Va., Wayne—Oct. 8, by Wayne Co., improving 3 mi. McCommas-Twelve Pole Rd., 22 ft., Grant Dist., 1 mi. Two Mile Rd., 1 mi. Newcomb Creek Rd., and 2 mi. Left Fork Lynn Creek Rd., all 16 ft., Stonewall Dist.; also 20 ft. span rein.-con. bridge over Sweet Run Creek approach to Kenova-Buffalo Rd., and culverts and changes on Docks Creek Co. Rd., Credo Dist. H. O. Wiles, co. engr.

N. C., Belhaven — Oct. 6, by Mayor and Bd. Aldermen, grading, concrete paving and storm drainage in various streets. $30,000. W. C. Olsen, Masonic Temple Bldg., Raleigh, engr.

N. C., Floresville—Oct. 16, by Highway Comn. Wilson Co., clearing, grubbing and concrete or asphalt paving 9.15 mi. highway, 16 ft. $236,000. H. W. Rankin, Wilson, engr.

Fla., Key West — Oct. 29, by Comrs. Monroe Co., stone surfacing, oiled on 28 mi. Island of Key Largo, 9 mi. road from point on Southwest Island of Saddle Bunch Group to point near Florida East Coast Railway incl. 180 ft. bridge over Sugar Loaf Creek, about 16 mi. in northern portion Monroe Co., a section of Ta-Miami Trail; also constructing about 6 mi. boulevard, incl. apron wall, sidewalks, lighting systems, etc. around portion of Island of Key West. J. O. Kirchheiner, chn.; adv. E. N.-R. Oct. 1.

Fla., Miami—Oct. 7, by C. W. Tomlinson, city clk., improving H-75 and H-76, 49,295 sq.yd. broken stone base, 35,304 sq.yd. asphaltic macadam, sheet asphalt, asphaltic concrete or Kentucky rock asphalt paving, etc.; also H-87 and H-88, 20,538 sq.yd. broken stone base, 3,164 lin.ft. concrete gutter. $1,000,000 bond election soon for same. F. H. Wharton, city mgr.

Fla., West Palm Beach—Oct. 7, by Bd. Comrs. Palm Beach Co., J. E. Bell, chn., constructing 3.61 mi. road from South Bay to Okeelanta, 10.61 mi. road from Belle Glade to Pahokee, and 17.25 mi. road known as Cross State Highway from Belle Glade to Henry Co. line. G. O. Butler, co. engr.; adv. E. N.-R. Oct. 1.

Miss., Columbus—Oct. 6, by C. M. Reeves, city secy., grading, curbing and rein.-con. or asphalt surfacing 12,100 sq.yd. various streets. R. L. Totten, Inc., B. M. Bldg., Birmingham, Ala., engrs. Noted Sept. 3.

Miss., Magnolia—Oct. 8, by Bd. Supervs. Pike Co., improving 15.112 mi. McComb-Walker Bridge Rd., Federal Aid Project 35, 26.61 acres clearing and grubbing, 91,855 cu.yd. excav., 31,329 cu.yd. gravel 1 mi. haul, 25,779 units overhaul, 87,508 lb. reinforcing, etc. H. C. Dietzer, Jackson, engr. Noted July 30.

Miss., Pass Christian—Oct. 8, by Supervs. Harrison Co., Gulfport, warrenite bitulithic paving 10,000 sq.yd. Beach Highway, east from Menge Ave., here. W. S. Hawkons, Gulfport, co. engr.

Louisiana—Oct. 20, by State Hy. Comn., Baton Rouge, grading and graveling 19.51 mi. Sects. B and C Bastrop-Arkansas State Line Highway, from Mer Rouge to Arkansas state line, Federal Aid Project 106, Morehouse Parish. W. B. Robert, highway engr.

Louisiana—Oct. 22, by State Hy. Comn., Baton Rouge, constructing 11.59 mi. Clinton-Mississippi State Line Highway, State Project 444, East Feliciana Parish. W. B. Robert, highway engr.

Louisiana—Nov. 10, by State Hy. Comn., Baton Rouge, grading and graveling 10.82 mi. Many-Leesville Highway, Federal Aid Project 45-B, Sabine Parish. W. B. Robert, highway engr.

O., Canton—Oct. 14, by Comrs. Stark Co., improving 0.75 mi. Beechwood Church Rd. $25,000. A. M. Wise, Court House, engr.

O., Cincinnati—Oct. 9, by Comrs. Hamilton Co., improving Dugan Gap Rd. from I-C-H 38 to Brower Rd., and Brower Rd., etc., 9,500 gal. Grade 1 tar, 46,250 sq.yd. concrete, 2,110 lin.ft. concrete gutter, 118,-712 cu.yd. earth excav., 1,506 cu.yd. concrete for necessary culverts. $295,706. E. A. Gast, Court House, engr.

O., Columbus—Oct. 6, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services, sewer connections and paving with (a) asphalt (b) brick and (c) concrete 2,468 ft. alleys west Racine Ave., Ann and North Hudson Sts., 20 ft., (a) $25,239 (b) $36,115 (c) $5,894, 1,607 ft. 14th Ave., 24 ft., (a) $25,478 (b) $29,594, 697 ft. allen north Hanford St., 16 ft., (b) $4,760 (c) $4,223, 1,338 ft. Warren Ave., 26 ft., (a) $23,742 (b) $27,586; widening 4,414 ft. Spring St., 46 ft., (a) $23,572 (b) $27,563; also 2,230 ft. 6- to 18-in. sewers, etc. in Margaret St. $6,354, 1,860 ft. 8 in sewer in alley south Sullivant Ave., $2,741. R. H. Simpson, city engr. Noted July 9 and Sept. 24.

Ind., Auburn—Oct. 6, by C. Cain, engr., Auburn, grading and graveling 2.85 mi. Sechler Rd., $26,200; 3 mi. Duncan Rd., $27,000; 2.7 mi. Abel Rd., $26,100; 2.8 mi. Bone Rd., $26,500; and 2.9 mi. Stone Street Rd., $27,000, all 26 ft., for DeKalb Co.

Ind., Danville—Oct. 5, by G. R. Harvey, engr., Danville, grading and graveling 2.5 mi. Ferrel Rd., 26 ft., for Hendricks Co. $29,000.

Michigan—Oct. 8, by State Hy. Dept., at office Comrs. Calhoun Co., Marshall, concrete paving 5.53 mi. Federal Aid Rd. 144, Sect. A, 20 ft. G. C. Dillman, Lansing, highway engr.

Wisconsin — Oct. 6, at Div. 8, 1st Natl. Bank Bldg., Superior, crushed gravel surfacing 5,200 cu.yd. Ashland-Marengo Rd., Federal Aid Project 405-A, Ashland Co. J. T. Donaghey, Madison, highway engr.

Wis., Wauwatosa—Oct. 9, by Bd. Pub. Wks., A. V. Brigham, secy., grading and rein.-con. paving 8,000 sq.yd. 59th St. Former bids rejected. J. E. Lowther, City Hall, engr. Noted Sept. 10.

Ia., Mondamin — Oct. 5, by City, J. C. Leightner, city clk., curbing and paving 8,000 sq.yd. various streets. $30,000. M. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted April 2.

Minnesota—Oct. 13, State Hy. Dept. St. Paul, (S. P. means State Project and F. A. P. means Federal Aid Project), gravel surfacing 25,100 cu.yd. S. P. 6-42, F. A. P. 343, Sect. A, $28,000; 19,500 cu.yd. S. P. 6-43, F. A. P. 343, Sect. C, $25,000; 19,500 cu.yd. S. P. 13-27, F. A. P. 346, Sect. C, $25,000; and 21,200 cu.yd. S. P. 64-22, F. A. P. 353, Sect. B, $26,000. Eng. Dept. of owner, 1246 University Ave., St. Paul, engrs.

Kan., Abilene—Oct. 22, by Clerk Dickinson Co., grading 7.147 mi. Federal Aid Project 29-A, and 8.315 mi. Sect. B same project, both 28 ft. Kansas Eng. Co., 1233 Western St., Topeka, engrs. Noted Sept. 17.

Kan., Cottonwood Falls — Oct. 27, by Clerk Chase Co., grading, etc., 7.061 mi. Federal Aid Project 256-A, 28 ft. W. H. Wilkinson, Cottonwood Falls, co. engr. Noted Jan. 8.

Kan., Salina—Oct. 9, by H. A. Ragle, clk. Salina Co., Court House, sand clay surfacing 4.17 mi. and 3.865 mi. County Projects 4, Sect. B and 5, 18 ft. with 4 ft. earth shoulders. W. H. Cost, Court House, engr. Noted Sept. 10.

Neb., Columbus—Oct. 9, by G. H. Bender, clk. Platte Co., concrete paving 7,350 sq.yd. Central City-Columbus Rd., Federal Aid Project 278-A. R. L. Cochran, Lincoln, highway engr.

Neb., Fremont — Oct. 8, at office Clerk Saunders Co. grading and concrete paving 8,620 sq.yd. Project 27-E, 12,655 sq.yd. Project 27-F, 2,319 sq.yd. Project 81-B, and 1,879 sq.yd. Project 263-A, in Saunders and Dodge Counties. R. L. Cochran, Lincoln, highway engr.

Neb., Hebron—Oct. 9, by B. A. Young, clk. Thayer Co., 3 in. gravel surfacing 164,900 sq.yd. Hebron-Fairbury Rd., Federal Aid Project 118-A. R. L. Cochran, Lincoln, highway engr.

Neb., Papillion—Oct. 8, by J. E. Strawn, clk. Sarpy Co., improving Gretna-Chalco Rd., State Project 3, 34,000 cu.yd. earth and 3,600 cu.yd. special excav., 18,000 cu.yd. overhaul, 63,200 sq.yd. 3 in. gravel surfacing, etc. R. L. Cochran, Lincoln, highway engr.

Tex., La Grange—Fayette Co. taking bids, gravel surfacing 8.47 bi. State Highway 71, Federal Aid Project 417-B $150,-000. R. E. Schiller, La Grange, engr. Noted Sept. 17.

Tex., Liberty—Oct. 9, by W. C. Youngs, engr., Dayton, Bates section concrete paving 16.47 mi. and shell surfacing 6 mi. Federal Aid Project 352, State Highway 3, for Liberty Co. $360,000. Noted July 23.

Oklahoma — Oct. 6, by State Hy. Dept., Oklahoma City, grading, etc. 7.2 mi. Wetumka Rd., State Rd. 12, 30 ft., Hughes Co. $37,700, 7.12 mi. Sapulpa-Mounds Rd., 30 ft., Okmulgee Co. $31,600, 11.1 mi. Claremore-Chelsea Rd., 30 ft., Rogers Co., $58,-000; grading and gravel surfacing 5.8 mi. Summerfield-Fanshowe Rd., 18 ft., $30,000, and 6.4 mi. Coodys Bluff-Allume Rd., 18 ft., Nowata Co., $33,000; concrete surfacing 6.1 mi. Pawhuska-Burbank Rd., 18 ft., Osage Co., $175,000. J. M. Page, highway engr.

Oklahoma — Oct. 6, by State Hy. Dept., Oklahoma City, grading, etc. 5.5 mi. State Road 11, West of Enid, 30 ft. $27,000. J. M. Page, Capitol, Oklahoma City, highway engr.

Okla., Guthrie—Oct. 9, by G. L. Anderson, city clk., grading and fibre brick and concrete paving 14 blocks Bored, Grant, Walnut and Vilas Sts. $58,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hobart—Oct. 13, by C. R. Williams, city clk., grading and fibre brick paving 2 blocks 15th St., 50 ft. $26,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wyoming — Oct. 6, by State Hy. Dept., Cheyenne, grading and surfacing, etc. 0.3 mi. Federal Aid Project 176-A, Big Horn Co.; grading and crushed gravel surfacing, etc. 4.9 mi. Federal Aid Project 143-B, Johnson Co., and 11.7 mi. Federal Aid Project 173-A, Unita Co. L. E. Laird, highway supt.

California—Oct. 13, by State Hy. Comn., Forum Bldg., Sacramento, grading and graveling 1.4 mi. road between Summerland and Montecito, Santa Barbara Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., San Diego—Oct. 12, by Common Council, improving Jewell Dr., 37th Sts., etc., 48,131 cu.yd. excav., 18,953 cu.yd. embankment, 101,302 sq.ft. sidewalk, 34,643 ft. curbing, etc. F. A. Rhodes, city engr.

Ont., Toronto—See "Contracts Awarded."

Streets and Roads (Continued)

BIDS RECEIVED

New Hampshire — F. E. Everett, comr. State Hy. Dept., Concord, bituminous macadam paving 2.25 mi. highway in Peterboro, from R. E. Bull, 151 Harrison Ave., Fitchburg, Mass., $70,429, 0.68 mi. highway in Holderness, from O. W. Fernald, Berlin, $18,322; 40 ft. span rein.-con. T-beam bridge, in Randolf, from Ames Constr. Co., 89 Prospect St., Somersworth, $4,333. Noted Sept. 3.

Connecticut—State Hy. Dept., Hartford, grading 7,895 ft. Boston Post Rd., 20 ft. from Kelleher Bros., Turners Falls, Mass., $28,065.

New York — A. W. Brant, comr. Highways, Albany, Sept. 25, **(e. e. means engrs. est., and R. C. means Repair Contract)** constructing and reconstructing 5.42 mi. Highway 1723, Suyvesant-Castleton, Part 1, Columbia Co., from Riteway Constr. Corp., 104 Reade St., New York City, $314,518, e. e. $402,097; 3.71 mi. R. C. 1486, Highway 65 Montgomery-Goshen and Highway 153 Newburg-Campbell Hall, Orange Co., from Hogeboom & Campfield, Inc., Kingston, N. Y., $167,746, e. e. $205,684; 8.34 mi. R. C. 3125, Highway 5205 Stillwater-Schuylerville, Part 1, Highway 5230 Part 2, and Highway 5277, Schuylerville Village, Saratoga Co., from Collins Bros., Stillwater, $356,066, e. e. $461,886; 5.98 mi. R. C. 1488, Highway 301, Bayshore-Brookhaven Town Line, Suffolk Co., from Heling Constr. Corp., Lindenhurst, $166,243, e. e. $215,008; 2.63 mi. R. C. 3124, Highway 712, Amenia-Sharon Sta., Highway 534, Northeast Center-Sharon Sta., and Highway 537 Amenia-Wassaic, Dutchess Co., from A. Mascetti, Torrington, Conn., $111,749, e. e. $148,547; 12.42-mi. Highway 8233, Oneonta-Meridale, Delaware and Otsego Counties, from O. P. Williams, Bainbridge, $682,389, e. e. $889,455; 5.42 mi. R. C. 3129, Highway 160, Slate Hill-Unionville, Orange Co., from Hull & Saltsman, Highland Mills, $261,304, e. e. $324,665; 6.02 mi. Highway 1721, Dresden-Geneva, Part 1, Yates Co., from Bolton, Suits & Bolton, Geneva, $234,377, e. e. $306,574, 0.5 mi. R. C. 3128, Highway 5223, Liberty Co. line, Part 1, Sullivan Co., from J. Arborio, 82 Church St., New Haven, Conn., $44,804, e. e. $53,547; 3.02 mi. R. C. 3132 and 1487, Highway 5182, North Hudson-Euba Mills, Part 2, Highway 5117, Euba Mills-New Russia, Essex Co., from Spadaccinsi Realty Constr. Corp., Tupper Lake $115,798, e. e. $141,668; 1.31 mi. R. C. 3131, Highway 25, Troy-Brunswick, Part 2, Highway 84 Troy-Brunswick, Part 3, Rensselaer Co., from C. Hansen 45 Glen Ave., Troy, $68,624, e. e. $80,467; 4.8 mi. Highway 1715, Mandana-New Hope, Cayuga Co from Provo Bros., Canal St., Syracuse, $240,193, e. e. $274,983; 9.59 mi. Highway 8222, Saranac Inn Sta.-Lake Clear Junction and Lake Junction-Paul, and Highway 5706 Saranac Lake-Lake Clear Junction, Franklin Co., from W. C. Horn Co., Athens, Pa., $434,567, e. e. $530,341; 4 mi. R. C. 3130, Highway 5365, Syracuse-Lafayette, Onondaga Co., and 1.82 mi. R. C. 3127, Highway 5014 Chittenango-Oneida, Part 1, Madison Co., from J. H. Gallup Co., Inc., Union Bldg., Syracuse, $124,864 and $120,902 respectively, e. e. $155,368 and $145,412 respectively; 1.02 mi. Highway 8235, Portageville-Nunda, Part 2, Wyoming and Livingston Counties, from Sweeney & Boland, E. and B. Bldg., Rochester, $68,044, e. e. $106,089; 1.2 mi. R. C. 3133, Highway 5364 Ossining, and 5364 A. Croton River, Westchester Co., from A. E. Ottairano & Co., Croton-on-Hudson, $113,255, e. e. $140,243; 4.26 mi. R. C. 1485, Highway 5382, Fulton-Oswego, Oswego Co., from Di Pillo & Balistreri Constr. Co Geneva, $132,664, e. e. $168,614; 1.02 mi. Highway 8232, Sherman-Mayville, Part 3, Chautauqua Co., from W. J. Knauer, Jamestown, $58,820, e. e. $71,913; 2 mi. R. C. 3126, Highway 834, Kirkwood River, Broome Co., from Tyne & Willey, Binghamton, $95,713, e. e. $127,196; 6.12 mi. Highway 8234, North Hillsdale-Austerlitz, Parts 1 and 2, Columbia Co., from A. D. Bridges Sons, Inc., Hazardville, Conn., $377,302, e. e. $449,473. Notedd Sept. 10.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Sept. 28, from C. Bennett Contg. Co., 414 Rutland Rd., Brooklyn, grading, curbing and laying sidewalks, etc., on Woodside Ave., etc., $49,388, from Cleveland Trinidad Paving Co., Flushing, Kingsland Ave., etc., $31,341, 161st St. $24,309, regrading and asphalt paving Queens Blvd., $170,515; from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, curbing, sheet asphalt repaving Queens Blvd., etc., $204,000, sheet asphalt paving 88th Ave., etc., $14,875, and 97th St. $33,965, 103rd St. $24,450; from O'Brien & Kurth, 8625 13th St., Jamaica, grading, curbing and paving Kingsland Ave., $5,986; from Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing and laying sidewalks, etc., on 51st St. to Corona Ave. $20,551, 94th St. $5,112, from C. H. Georgi, Inc., 15 Ely Ave., Hollywood Ave. $2,546, Polk Ave. $1,952; from Sicilian Asphalt Co., 41 Park Row, New York City, regrading, curbing and sheet asphalt paving Queens Blvd., etc., $158,970; from Peace Bros. Contg. Co., 20 Main St., Flushing, grading, curbing and laying sidewalks, etc., on 88th Ave., $7,040; from Peninsular Contg. Co., Rockaway Beach, grading, sidewalks, gutter spaces, curbing, etc., on Beach Channel Dr. and Beach 95th St. 5th Ward, $2,696; from Vouker Contg. Co., 17 State St., New York City, constructing rip rap embankment along Beach Channel Dr. $46,300. Noted Sept. 24.

N. Y., New York—Dept. Parks, Arsenal Bldg., 64th St. and 5th Ave., F. D. Gallatin, pres., Sept. 24, reconstructing and repaving, etc., Orchard Beach Shore Rd., from Gaffney Constr. Co., 50 East 42nd St., $136,520; laying walks and asphalt repaving Tompkins St. Park, etc., from Valatia Constr. Co., 15 East 48th St., $29,400; improving 4 park plots in center of 137th St. and Bway., 147th, 148th, 151st, 152nd, 166th and 167th Sts., from Dooley Stapleton Corp., 257 Delphia Pl., Brooklyn, $17,580. Noted Sept. 17.

N. J., Trenton — Mercer Co., Sept. 22, 10,000 gal. tar for cold application on Trenton-Hopewell Rd., from T. Tobish, Amer. Mechanic Bldg., $0.1367 per gal. Noted Sept. 17.

Pennsylvania—State Hy. Dept., Harrisburg **(A means Application and R means Route)**, one course rein.-con. paving 6,576 ft. Rome Boro-Rome Twp. Rd., R. 15, A. 3572, Bradford Co., from Lane Constr. Co., 35 Colony St., Meriden, Conn. $62,908, 5,384 ft. Germany Twp. Rd., A. 3412, Adams Co., from W. G. Raub Co., Inc., Red Line $40,044, 24,998 ft. Greenwich-Penn Twp. Rd., R. 62-C, Clearfield Co., from O. B. Bracht, Titusville $258,044, 1,830 ft. Towamensing Twp. Rd., A. 3741, Carbon Co., from McInerney & McNeal, Inc., 703 Northampton Natl. Bank Bldg., Easton $21,573, 9,655 ft. Summit Twp. Rd., A. 3663, Butler Co., from Winter & Yaple, 909 Cascade St., Erie $77,057, 38,025 ft. Amity-Exeter Twp. Rd., A. 3464, Berks Co., from D. L. Risser, 713 Walnut St., Lebanon $319,778, 27,345 ft. Maxatawny-Greenwich Twp.-Kutztown Boro Rd., A. 3222, Berks Co., and grading, etc. 11,193 ft. Tobyhanna-Buck Twps., R. 169 Sect. 3, Luberne and Monroe Counties, from W. H. Murphy & Sons, 2100 State St., Harrisburg, $240,084 and $55,887 respectively; bituminous on asphaltic concrete paving 4,705 ft. Mahanoy City Rd., R. 290, from Union Paving Co., 30th and Locust Sts., Phila. $108,689 and 9,953 ft. Wood Twp. Rd., A. 2826, Huntington Co., from Colgan & Kelly, East Walnut St., Lewistown, $59,834. Noted Sept. 3.

Miss., Rolling Fork—Sharkey Co., grading, gravel surfacing, etc. 7.458 mi. Federal Aid Project 50-C, from F. C. Morgan, 709 Lemcke Bldg., Indianapolis, Ind., $59,324. Noted Aug. 27.

O., Cincinnati — Improving Stewart Pl., 2,460 lin.ft. concrete curbing, 300 lin.ft. cement sidewalks and 1,700 cu.yd. grading, etc., from O'Connell & Sweney, Florence Ave. and Concord St., $25,219. Engrs. est. $27,180.

O., Cincinnati — Granite block repaving, etc. 2,100 sq.yd. Central Ave., from Cino Constr. Co., 221 West 9th St., $31,103, engrs. est. $33,558; 200 sq.yd. Mitchell Ave., from J. S. Bolan, 1517 Ruth Ave., $112,267, engrs. est. $116,510. Noted Sept. 3 and 10.

O., Cleveland—Paving, etc., with **(a)** asphalt or **(b)** vitr. brick **(1)** Mandalay Ave. **(2)** Milan Ave. **(3)** Herna Ave. **(4)** Ruple Rd. (1 to 4 inclusive) involves 10,210 sq.yd. paving, 6,700 lin.ft. stone curbing, 6,860 lin.ft. 4 in. drain tile gutter, 5,285 cu.yd. earth excav., **(5)** Sector Ave. **(6)** Princeton Ave. **(7)** Lydian Ave. (5 to 7 inclusive) involves 9,605 sq.yd. paving, 6,275 lin.ft. stone curbing, 6,450 lin.ft. 4 in. drain tile gutter, and 5,320 cu.yd. earth excav. **(8)** Normandy Ave. **(9)** Larchwood Ave. **(10)** Sedalia Ave. (8 to 10 inclusive) involves 10,100 sq.yd. vitr. brick or sheet asphalt, 7,400 lin.ft. stone curbing, 7,670 lin.ft. 4 in. drain tile gutter, 4,710 cu.yd. earth excav., from H. G. Herring, Wayside Rd., **(a1)** $15,806 **(b1)** $18,575; from Roehl Bros., 7008 Denison Ave., **(a1)** $12,302 **(b2)** $15,007 **(a3)** $4,313 **(b3)** $5,191; from Gould & Maybach, 16113 Saranec Rd., **(a4)** $11,593 **(b4)** $13,789; from Highway Constr. Co., Guaranty Title Bldg., **(a5)** $12,495 **(b5)** $16,416 **(a6)** $15,327 **(b6)** $19,447 **(a7)** $13,186 **(b7)** $16,614; from Baldwin Bros., 4500 Euclid Ave., **(a8)** $4,399 **(a9)** $15,628 **(b9)** $18,591 **(a10)** $27,309 **(b10)** $32,490.

O., Cleveland—Cuyahoga Co., vitr. brick paving 5,500 sq.yd. Hilliard Rd. Bridge, from Cleveland Trinidad Paving Co., The Arcade, $22,071. Engrs. est. $29,640. Noted Sept. 3.

Neb., Omaha—Paving with **(a)** asphalt **(b)** brick **(c)** asphaltic concrete **(d)** sheet asphalt **(e)** "B" art stone and **(f)** curbing **(1)** 645 yd. Dist. 1383 **(2)** 681 yd. Dist. 1476 **(3)** 1,479 yd. Dist. 2070 **(4)** 1,429 yd. Dist. 2471 **(5)** 580 yd. Dist. 2537 **(6)** 1,197 yd. Dist. 2544 **(7)** 5,402 yd. Dist. 2562 **(8)** 5,859 yd. Dist. 2637 **(9)** 5,704 yd. Dist. 2661 **(10)** 600 yd. Dist. 2757 **(11)** 1,107 yd. Dist. 2764 **(12)** 670 yd. Dist. 2791 **(13)** 755 yd. Dist. 2804 **(14)** 4,417 yd. Dist. 2820 **(15)** 1,672 yd. Dist. 2821 **(16)** 590 yd. Dist. 2826 **(17)** 2,251 yd. Dist. 2834 **(18)** 1,780 yd. Dist. 2836 **(19)** 440 yd. Dist. 2837 **(20)** 4,662 yd. Dist. 2838 **(21)** 2,148 yd. Dist. 2846 **(22)** 1,038 yd. Dist. 2847 **(23)** 666 yd. Dist. 2857 **(24)** 1,213 yd. Dist. 2876 **(25)** 373 yd. Dist. 2885 and **(26)** 123 yd. Dist. 2897, from J. Kerns Constr. Co., 1809 Dodge St., **(a1)** $2.69 per yd. **(b2)** $3.21 **(d2)** $2.69 **(f9)** $0.59 **(f11 and 12)** $0.60 each **(c13)** $2.37 **(d13)** $2.69 **(f13)** $0.61 **(f15)** $0.60 **(f20)** $0.60 **(f21)** $0.60 **(d24)** $2.69; from J. J. Parks Constr. Co., 4 Bankers Savings Bldg., **(b1)** $3.14 **(d1)** $2.48 **(c5)** $3.05 **(d5)** $2.48 **(f5)** $0.69 **(e7 and 8)** $2.14 each **(d7)** $2.47 **(e9)** $2.15 **(d9)** $2.44 **(c11)** $2.18 **(d11)** $2.48 **(c14)** $2.12 **(b15)** $3.15 **(d15)** $2.46 **(b18)** $3.12 **(c18)** $2.52 **(c20)** $2.12 **(b21)** $3.12; from J. Sherlock Constr. Co., 1805 Dodge St., **(c1 and 2)** $2.28 each **(f3)** $0.60 **(c4)** $2.17 **(f4)** $0.60 **(f7 and 8)** $0.57 each **(f11)** $0.60 **(c12)** $2.18 **(f12, 15, 17, 18, 20, 22 and 23)** $0.60 each **(c23)** $2.18 **(c24)** $2.38; from Natl. Constr. Co., 310 Arthur Bldg., **(b3)** $3.02 **(f3 and 4)** $0.60 each **(b7)** $3.02 **(d7)** $2.47 **(b8)** $3.02 **(d8)** $2.45 **(b9)** $3.02 **(e9)** $2.15 **(f9)** $0.59 **(f12)** $0.60 **(b14)** $3.08 **(f17)** $0.60 **(b20)** $3.08 **(f20)** $0.60 **(b23)** $3.08 **(f23)** $0.60; from G. Parks, 210 Karbach Blk., **(c3)** $2.14 **(d3)** $2.44 **(b4)** $3.21 **(d4)** $2.48 **(c8)** $2.14 **(c9)** $2.15 **(b11)** $3.14 **(c11)** $2.18 **(d11)** $2.48 **(d12)** $2.50 **(c14)** $2.12 **(d14)** $2.42 **(c15)** $2.16 **(d15)** $2.46 **(b17)** $3.12 **(c17)** $2.14 **(d17)** $2.44 **(f17)** $0.60 **(c20)** $2.12 **(d20)** $2.42 **(b21)** $3.12 **(c21)** $2.14 **(d21)** $2.44 **(b22)** $3.21 **(c22)** $2.22 **(d22)** $2.48 **(b24)** $3.50; from S. Catalano, 2206 South 12th St., **(e6)** $1.59 **(e10)** $1.60 **(e16)** $1.59 **(e19)** $1.60; from J. H. McDonald, 3169 Farnam St. **(b7 and 8)** $0.57 each; from C. Noble & Co., 1455 South 12th St., **(e25)** $1.64; and from T. H. Maenner Co., 518 Omaha Loan & Building Assn. Bldg., **(e26)** $1.60.

Tex., Barstow — R. J. Hank, highway engr., Austin, grading, bridging and caliche surfacing 11.13 mi. State Highway 1, Federal Aid Project 391-C, from F. P. Holt, Sanderson, $138,141. Noted Sept. 3.

Wash., Seattle—Bd. Pub. Wks., Sept. 11, from Odman Contg. Co., 2534 33rd Ave. S., improving 36th Ave. S. W., et al., 13 acres clearing at $1.00 per acre, 34,000 cu.yd. excav. $0.38, etc., total $28,654.

Calif., Glendale — Grading, curbing, guttering, sidewalks, and 3 in. asphaltic concrete paving 97,789 ft. Raymond and Thompson Aves., etc., from J. W. Henderson, 120 South Glendale Ave., $27,454. Engrs. est. $30,281.

CONTRACTS AWARDED

Maine—State Hy. Comn., Augusta, gravel surfacing 6.33 mi. highway in Caribou, and 4.66 mi. highway in Fort Fairfield, to Boone & Brewer Co., Presque Isle, $82,957 and $73,719 respectively, 5.02 mi. highway in Milo and Ornville, and bituminous macadam surfacing section highway in Winterport, to McCabe & Giovannini, Inc., 20 Central St., Boston, $87,705 and $145,037 respectively, 1.42 mi. highway in York, to A. Sousi & Co., 12 Richfield St., Dorchester, Mass., $68,840, 4.97 mi. highway in Frankfort and Winterport, to A. D. Bridges & Sons, Inc., Hazardville, Conn., $64,923, 1.13 mi. highway in Kittery, to St. Albans Constr. Co., St. Albans, Vt., $95,722; gravel surfacing 4.92 mi. highway in Bucksport, to M. B. Rogers, Bangor, $80,383, 5.78 mi. highway in Peru, to I. J. Murphy, 12 Westwood Rd., Somerville, Mass., $80,383. Grand total $779,669.

N. J., New Brunswick — Middlesex Co., concrete paving 3,596 sq.yd. main drive through New Jersey State Agricultural College, to Utility Constr. Co., 5 Spring St., $30,412. Noted Aug. 20.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving, etc., West St., to J. Meehan & Son, 74 Courtlandt St., $118,680; widening and sheet asphalt repaving 57th St., to W. J. Fitzgerald, 547 West 45th St., $22,650. Noted Sept. 10.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving 22,900 cu.yd. R. 155, A. 3368, Hatboro Rd., Montgomery Co., to Union Paving Co., 30th and Locust

Streets and Roads (Continued)

Sts., Phila., $81,933; 29,700 cu.yd. R. 250, Cumberland Co., to P. Hostetter, Inc., York, $109,831; 28,444 cu.yd. R. 139, Lebanon and Dauphin Counties, to C. B. John, Malvern, $112,164; and 24,246 cu.yd. R. 268, A. 3356, Crawford Co., to Colonial Constr. Co., Arrott Bldg., Pittsburgh, $106,256. Grand total $410,184. Noted Sept. 3 and 10.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, surfacing Packer St. between Broad and 10th Sts., to Vare Constr. Co., 1120 Race St., $65,315; 7th and 10th Sts. between Johnston and Pattison Sts., to Union Paving Co., 30th and Locust Sts., $91,371 and $97,708 respectively. Grand total $254,394. Noted Sept. 10.

Pa., Pittsburgh — Allegheny Co., rein.-con. paving Beaver Rd. through Leetsdale Boro, to Bowman Bros., Lourie Ave., Ben Avon (Pittsburgh P. O.), $115,803, engrs. est. $125,000; and repaving Brownsville Rd. through Mt. Olive, to Booth & Flinn, Ltd., Forbes St., $33,744, engrs. est. $40,000.

Md., Baltimore—Bd. Awards, grading 24,000 cu.yd. streets in Contr. 300-OA, to H. O. Firor, 1707 West Pratt St., Baltimore, $16,560. Noted Sept. 10.

W. Va., Wayne—Wayne Co., grading, etc. Beech Fork and Prices Creek Rds., to Walton Sudduth & Co., Bluefield, $26,672. Noted Aug. 27.

North Carolina — State Hy. Comn., Raleigh, grading and plain concrete paving 2.03 mi. North Carolina Project 105-C, to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., $61,837; and 4.18 mi. North Carolina Project 986, Swain Co., to R. H. Wright & Son, Andrews, $108,914.

Ga., Macon — Improving 3 mi. various streets, to Higgison Constr. Co., Georgia Bldg., Macon, $104,000.

Kentucky—State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, concrete surfacing 2.013 mi. Owingsville-Farmers Rd., 18 ft., F. A. P. 137-A, Bath Co., to Tevis & Ingram, Danville, $105,750; bituminous macadam surfacing 5.68 mi. Mayesville-Flemmingsburg Rd., 18 ft., S. A. P. 68-A, Mason Co., to B. W. Gorham Co., Harp St. and Innes Park, Lexington, $106,-130; grading 4.166 mi. Middlesboro-Pruden Rd., 24 and 28 ft., S. A. P. 5-F, Bell Co., to North Fork Constr. Co., Jackson, $91,000, 5.71 mi. Harlan-Whitesburg Rd., 24 and 28 ft., F. A. P. 140-A, Harlan Co., to Wright Constr. Co., Millstone, $93,175, 6.398 mi. Clinton-Fulton Rd., 26 and 30 ft., F. A. P. 131-D, Hickman Co., to Costello Bros., Henson Bldg., Knoxville, Tenn., $51,422, 5.87 mi. Rockport-Beaver Dam Rd., 24 and 28 ft., S. A. P. 45-A, Ohio Co., to G. W. Robinson Co., Owensboro, $26,057, and 5.68 mi. Jamestown-Liberty Rd., 24 and 28 ft., F. A. P. 142-A, Russell Co., to Cundiff & Corrigan, Liberty, $25,385. Grand total $498,919. Noted Aug. 27.

O., Cleveland — Cuyahoga Co., improving Bliss Rd. 2, 26,500 lin.ft. stone curbing, 22,650 cu.yd. earth excav., 45,400 sq.yd. vitr. brick, to Cleveland Trinidad Paving Co., The Arcade, $228,000. Engrs. est. $307,000.

O., Cleveland — Cuyahoga Co., curbing, sidewalks and vitr. brick paving Lake Shore Blvd., to Cleveland Trinidad Paving Co., The Arcade, $180,813. Engrs. est. $226,260. Noted Aug. 27.

O., Cleveland — To Cleveland Trinidad Paving Co., The Arcade, grading, curbing, guttering and sheet asphalt paving Diana Ave. $10,195, Delaven Ave. $13,520, Clair Ave. $25,067, Bellaire Ave. $52,631, Dillicwood Ave. $17,720, Doris Ave. $7,570, Dunkirk Ave. $1,966, Glenside Ave. $9,393, and West 52nd St. $14,900; to Highway Constr. Co., Guarantee Title Bldg., Desmond Ave. $25,467 and Dove Ave. $33,738; to Enterprise Paving & Constr. Co., 8444 Bway., Buckeye Rd. $33,879. Grand total $246,046. Noted Sept. 24.

O., Cleveland — Cuyahoga Co., grading, guttering and concrete paving 14,300 sq.yd. McKenzie Rd., to Patterson Constr. Co., 603 Bway., $51,652 engrs. est. $62,500; grading, curbing, guttering and vitr. brick paving 48,500 sq.yd. Miles Ave. 4, to Cleveland Trinidad Paving Co., The Arcade, $311,200 engrs. est. $371,700. Noted Sept. 24.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and asphalt paving 2,032 ft. Parsons Ave., 34 ft., to Franklin Asphalt Paving Co., 209 South High St., $43,017; brick paving 465 ft. Chapel St., 21 ft., and 523 ft. Wall St., 18 ft., to R. J. Dienst, 480 South 5th St., $8,205 and $5,904 respectively, 1,012 ft. Thurlow Ave., 21 ft., to A. W. Burns, 316 South High St., $8,647. Grand total $65,-773. Noted Aug. 27.

O., Maple Heights (mail Cleveland) — bituminous concrete paving, etc. 5,480 sq.yd. Clement and Greenhurst Aves., to A. M. Pejsa Paving Co., 3161 Derbyshire Rd., Cleveland, $36,371. Noted Sept. 3.

Michigan — State Hy. Dept., at office Comrs. Benzie Co., Frankfort, concrete paving 1.514 mi. State Trunk Line Rd. 22-18, to Maisman & Tober, Grand Rapids, $44,340.

Michigan — State Hy. Dept., at office Comrs. Muskegon Co., Muskegon, grading 3.221 mi. State Trunk Line 54—15A, to DeGood Transfer Co., 334 Ionia St. S. W. Grand Rapids, $30,438. Noted Aug. 27.

Mich., Birmingham—See "Waterworks."

Wash., Shelton—Paving 25 blocks various streets, in Northside Dist. to Shelton Paving Co., Shelton, $57,232. Noted Aug. 27.

Mich., Detroit—To Bishop & Weir, 1305 Lafayette Bldg., one course concrete paving 3,500 sq.yd. Alley 2453 $7,861, 1,690 sq.yd. Alley 2462 $3,907; to Otis Cement Constr. Co., 806 Hammond Bldg., 3,000 sq.yd. Alley 2454 $6,958, 2,050 sq.yd. Alley 2455 $4,863, 1.775 sq.yd. Alley 2456 $4,142, 1,550 sq.yd. Alley 2457 $3,737, 725 sq.yd. Alley 2458, $1,914, 648 sq.yd. Alley 2459 $1,613, 568 sq.yd. Alley 2460 $1,421, 1,700 sq.yd. Alley 2461 $4,036; to C. L. Lincoln, 12337 Indiana Ave., 523 sq.yd. Alley 2464 $1,324. Grand total $41,776. Noted Sept. 24.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing 7.8 mi. Route 22, Sect. 19, 18 ft., McHenry-Lake Co., to Powers-Thompson Constr. Co., Joliet, $166,268. Noted April 30.

Ill., Evanston—To Arcole Constr. Co., 53 West Jackson Blvd., Chicago, concrete surfacing Central Park Ave. $60,513, Colfax St. $7,608, Dobson St. $18,685, Darrow Ave. $17,997, Elmwood Ave. $5,805, Grey Ave. $18,477, Ingleside Pl. $5,149 and Lincoln St. $8,241. Grand total $142,474. Noted Aug. 20.

Ill., Galesburg—Bd. Local Impvts., grading, curbing and brick on concrete surfacing West Knox St., from Academy to Cherry Sts., to Graham King Constr. Co., 550 South Cedar St., $19,011; Warren St. from Pearl to Rio Sts., to H. H. Gunther, 859 East Losey St., $8,262. Noted Sept. 17.

Wis., Milwaukee—Dept. Pub. Wks., R. Stoelting, comr., concrete paving, etc., 1 alley to Parkinson Constr. Co., 322 27th St., $1,483; 4 alleys, to Bodemann Constr. Co., 691 48th St., $21,965; 3 alleys, to Ruback & Sadowski, 1092 2nd Ave., $14,951; and 3 alleys, to A. E. Retzlaff, 868 Island Ave., $4,496. Grand total $49,763. Noted Sept. 10.

Ia., Ft. Dodge—Curbing, guttering and vibrolithic concrete surfacing 11,500 sq.yd. streets in Paving Dists. 3, 5 and 6, to M. L. Flinn Paving Co., Grain Exch. Bldg., Sioux City.

Minnesota — State Hy. Dept., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, grading 32,-000 cu.yd. S. P. 45-22, Stillwater Rd., to C. F. Sculley Equipment Co., 212 Dakota Bldg., St. Paul, $25,533, 150,000 cu.yd. S. P. 7-34, F. A. P. 374, to Volden Bros., Milan, $59,536, 120,000 cu.yd. S. P. 8-42, F. A. P. 302, to P. W. Roark, Thief River Falls, $42,036, 205,000 cu.yd. S. P. 64-23, F. A. P. 353, to I. A. Fox, Yankton, S. D., $51,954, 260,000 cu.yd. S. P. 69-22, Sect. 2, F. A. P. 339, to C. Weaver, Anoka, $74,032, 11.4 mi. S. P. 7-34, to Stevens Bros., 612 Endicott Bldg., St. Paul, $9,599; concrete paving, etc., 42,000 sq.yd. S. P. 1-48, F. A. P. 1, and 16.1 mi. S. P. 5-30, Sect. 2, F. A. P. 345, to M. J. Nolan Constr. Co., 260 Temple Court Bldg., Minneapolis, $96,656 and $191,692 respectively, 165,000 sq.yd. S. P. 1-44, Sect. 5, F. A. P. 1, to R. J. Kappahn Constr. Co., 1811 Wallace Ave., Duluth, $256,489, 171,000 sq.yd. S. P. 5-30, Sect. 2, F. A. P. 345, to Hanlon & Okes, Merchants Natl. Bank Bldg., St. Paul, $76,289 and $153,230 respectively, and 268,700 sq.yd. S. P. 27-28, F. A. P. 370, to Ostrander & Hallet, Crosby, $372,075. Grand total $1,449,-375. Noted Sept. 27.

Kan., Hill City — Grading, curbing and vibrolithic surfacing 12,600 sq.yd. various streets, to M. W. Watson, 1923 South 34th St., St. Joseph, Mo., $92,355. This corrects report in Sept. 3 issue.

Kan., Ottawa—Curbing, guttering and 3 in. brick on 6 in. crushed stone surfacing 10,190 sq.yd. 11th St.; and curbing, guttering and 2.5 in. brick on old macadam surfacing Cedar St., to Cook & Stecker, Ottawa.

Nebraska—State Hy. Dept., Lincoln, 2 in. gravel surfacing 182,900 yd. Rushville-Gordon Rd., Federal Aid Project 108, Sheridan Co., to L. G. Crownover, Alliance, $37,952.

Neb., Holdrege—For 6 in. rein.-con. paving 31,650 yd. various streets in Dists. 16, 17, 18 and 19, to Roberts Constr. Co., 415 1st Natl. Bank Bldg., Lincoln, $63,300. Noted Aug. 20.

Neb., Papillion—J. E. Clark, clk. Sarpy Co., grading 6.96 mi. roads in Springfield Precinct, to J. W. Wachtler, 2914 Nicholas St., Omaha, $10,689; drainage work, to Metz Constr. Co., Springfield, $3,022; and gravel surfacing, to J. J. Parks & Co., 4 Bankers Savings Bldg., Omaha, $13,275. Grand total $27,986.

Mo., St. Louis—Bd. Pub. Wks., paving alleys in City Blocks 2729 and 2759, to Eyermann Constr. Co., 1216 South Grand St., $5,952; alleys in City Blocks 2817, 2884, 4449-A, 5296, 5535 and 5640, to A. Lewald, 1219 Amherst Pl., $36,584; in City Blocks 3996 and 4020-S, to Skrainka Constr. Co., Security Bldg., $6,916, and in City Blocks 4995, 5319, 5481 and 5570, to Parkinson Bros., 3237 Carter St., $14,877. Grand total $64,329.

Mo., University (br. of St. Louis) — Rein.-con. paving 700 ft. Sutter Ave., to Skrainka Constr. Co., Security Bldg., St. Louis, $9,231; and 1,800 ft. Pennsylvania Ave., to Allied Contractors Inc., 1803 Douglas St., Omaha, Neb., $18,500.

Ark., Little Rock—Grading, curbing and 6 in. concrete surfacing 13,750 sq.yd. streets in Paving Dist. 370, to G. Garms, 429 Southern Trust Bldg., $42,478.

Tex., San Antonio — Asphalt topping 5 blocks Ave. B between 5th and Grand Sts., to Uvalde Rock Asphalt Co., Frost Natl. Bank Bldg., San Antonio, $27,000.

Oklahoma—State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project and e. e. means engineers estimate)**, brick on gravel surfacing 2.5 mi. Muskogee Rd., S.A.P. 123-C, and 4 mi. road near Muskogee, S.A.P. 195, both 18 ft., Muskogee Co., to Standard Paving Co., 1742 East 6th St., Tulsa, $49,-316 and $113,461 respectively, e. e. $52,800 and $118,000 respectively; concrete on gravel surfacing 2.5 mi. Muskogee Rd., 18 ft., S.A.P. 123-C, Muskogee Co., to Gravelle-Hamblin, Manhattan Bldg., Tulsa, $52,008, e. e. $60,000; grading and wood block surfacing 12.52 mi. Perry-Orlando Rd., 30 ft., F.A.P. 139-H, Noble Co., to Gantt-Baker Co., 1116 West Main St., Oklahoma City, $38,337, e. e. $43,000; grading and concrete surfacing 3 mi. Collinsville Rd., 30 ft., F.A.P. 111-B, Tulsa Co., to Highway Constr. Co., Midca Bldg., Tulsa, $87,373 e. e. $95,-000, 1 mi. Healdton Rd., 30 ft., S.A.P. 26-B, Carter Co., to D. Blackburn, Healdton, $25,025, e. e. $32,000; grading, etc. 2.5 mi. Lone Grove Rd., 30 ft., S.A.P. 41-B, Carter Co., to Flynn Constr. Co., Newkirk, $64,534 e. e. $70,000, 8 mi. road south of Chickasha, F.A.P. 208-A, Grady Co., and 9.65 mi. same road Sect. C, both 30 ft., Grady Co., to Ottinger & Frost, Hinton, $25,619 and $32,-671 respectively e. e. $31,300 and $35,600 respectively, 8 mi. road south of Chickasha, 30 ft., F.A.P. 208-B, Grady Co., to Gibson & Mitchell, Pauls Valley, $25,358 e. e. $28,-800, 8 mi. Purcell Rd., 30 ft., F.A.P. 144-A, McLean Co., to O. J. Pharoah, Henryetta, $30,616 e. e. $35,000, 8.12 mi. Mulhal Rd., 30 ft., F.A.P. 139-A and B, Logan Co., to J. E. Smith, Noble, $38,013 e. e. $41,000, 7 mi. Purcell Rd., F.A.P. 144-B, and 6.18 mi. same road Sect. C, both 30 ft., McLean Co., to G. Sutherland, Purcell, $23,631 and $25,316 respectively, e. e. $30,000 and $28,-800 respectively. Grand total $631,278. Noted Sept. 10.

Okla., Newkirk—Improving Maple Ave., 7th and 9th Sts., 7,700 lin.ft. curbing, 6,100 cu.yd. earth excav. and 17,450 sq.yd. concrete paving, to M. A. Swatek, 519 West Main St., Oklahoma City, $68,316. Engrs. est. $81,300. Noted Aug. 20.

Okla., Newkirk—To M. A. Swatek & Co., Newkirk, 6 in. concrete surfacing, curbing, etc. 3,401 sq.yd. Dist. 7 $9,269, 7 in. concrete surfacing 11,260 sq.yd. Dist. 8 $32,-761 and 8,534 ft. Dist. 9, $23,660. Grand total $65,717.

Colo., Denver—Concrete paving 12 blocks Alley Paving Dist. 134, to W. F. Pigg & Son, Commonwealth Bldg., $23,091; Dist. 135, to A. J. Collins, 206 South Emerson St., $20,430.

Arizona — State Hy. Dept., Phoenix, to Udall Tanner-Turley & Hamlin, St. Johns, improving Concho-St. Johns Highway, Federal Aid Project 78-A, 54,933 cu.yd. excav. at $0.30 per cu.yd. 36,536 cu.yd. borrow $0.25, 660 cu.yd. structural excav. $1, 2,952 cu.yd. ditch excav. $0.30, 4,390 sta.yd. earthwork overhaul $0.05, 17,997 cu.yd. surfacing $0.75, 5,593 cu.yd. mi. surfacing overhaul $0.50, etc., total $74,587.

Washington—State Hy. Dept., Olympia, crushed rock surfacing 14,620 cu.yd. State Rd. 22, Stevens Co., to Anderson & Nelson, Wilbur, $75,419; constructing 7.37 mi. State Rd. 5, Yakima and Kittitas Counties, to Payne & Doust, 405-06 Lindelle Blk., Spokane, $124,581; grading, etc. 1.17 mi., State Rd. 1, King Co., to J. Ottesen Co., Inc., 303 Alaska Bldg., Seattle $15,038, and 0.25 mi. State Rd. 2, King Co., to Johnson & Co., Olalla, $7,903; crushed surfacing, etc. 0.58 mi. State Rd. 5, to Heller & Co., 135

Streets and Roads (Continued)

East 33rd St., Portland, Ore. $11,724, 8.71 mi. State Rd. 3, Stevens Co., to F. R. Hewitt, 225 East 24th Ave., Spokane $7,380, 5 mi. State Rd. 9, Grays Harbor Co., to Grays Harbor Constr. Co., Hoquiam, $5,870 and 7 mi. State Rd. 9, Grays Harbor Co., to Martin & Sloan, R. F. D. 3, Box 160, Seattle, $5,477. Grand total $253,492. Noted Aug. 27.

Washington—State Hy. Dept., Olympia, grading, gravel or crushed rock surfacing, etc., 2.8 mi. State Rd. 9, Jefferson Co., to J. L. Goulter, Port Angeles, $77,226.

Wash., Seattle—Bd. Pub. Wks., concrete paving, etc., 81,330 sq.yd. 42nd Ave. S. W. et al., to J. L. Smith, 304 West 36th St., $178,450. Engrs. est. $195,000. Noted Sept. 24.

California — State Hy. Comn., Forum Bldg., Sacramento, **(e. e. means engineers estimate)**, grading 1.9 mi. road between top of Mountain Springs Grade and Myers Creek Bridge, San Diego and Imperial Counties, to A. R. McGrath, 431 Vine St., Glendale, $57,000 e. e. $60,000, also 3.3 mi. road between Big Bear Dam and Fawnskin, San Bernardino Co., to M. S. Ross, 350 Merrick St., Los Angeles, $25,593 e. e. $24,400; grading and graveling 7.4 mi. road between Laguna Beach and San Juan Creek, Orange Co., to C. G. Willis & Son, 2119 East 25th St., Los Angeles, $167,859 e. e. $209,772; grading and asphaltic concrete paving 0.8 mi. road between Sacramento and point ½ mi. south, Sacramento Co., to A. Teichert & Son, Ochsner Bldg., Sacramento, $20,161 e. e. $19,733. Grand total $270,613. Noted Aug. 27, Sept. 3 and 17.

Ontario — Dept. Pub. Highways, Parliament Bldgs., Toronto, improving portions Provincial Highway System, incl. grading 5 mi. road from Allandale southerly, Contr. 1256 to G. Campbel, R.R. 4, Essex $25,000, and 2.5 mi. east of Renfrew, Contr. 1257, to R. C. Sutherland, 339 Chapel St., Ottawa, $20,000; washed screened gravel concrete paving 3 mi. road from Stratford southerly, Contr. 1268, to P. Bergmann, 128 King St. N. Waterloo, $90,000; penetration macadam paving 3 mi. road from Morrisburg, westerly, Contr. 1253, to F. Milligan & Co., Iroquois, $45,000; concrete bridge and approaches at Plantagenet, Contr. 1260, to Dennis & Mooney, Vanleek Hill, $20,000. Grand total $200,000.

Ont., Toronto—City will curb gutter and pave with asphalt on concrete Mount Pleasant Rd. from St. Clair to Eglinton Aves. $77,000. Work will be done by day labor. R. C. Harris, City Hall, engr.

Ont., Toronto — York Twp., curbing, guttering and asphalt on concrete paving Rogers Rd. and Hillary Ave. to Constructing & Paving Co., Ltd., Confederation Life Bldg., $79,505.

B. C., Point Grey—For 6 in. one course concrete paving various streets, to Armstrong, Morrison & Co., 543 Granville St., Vancouver, $30,530. Engrs. est. $52,000.

Buildings—Industrial

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—FACTORY—Thompson Wire Co., 42 Mildred Ave., having plans prepared by Brainard & Leeds, 89 Franklin St., Boston, altering and constructing 1 story, rein.-con., brick and steel addition. $40,000.

Mass., Monroe (mail Readsboro, Vt.)—POWER PLANT—New England Power Co., 35 Harvard St., Worcester, plans 9,000 kw. power station and 90 ft. earth dam on Deerfield River, here.

Pa., Kittanning — GLASS PLANT — Kittanning Plate Glass Co., 509 Peoples Bank Bldg., Pittsburgh, having plans prepared four 1 story, steel buildings, Old Fair Grounds, here. $2,000,000. H. L. Dixon Co., Carnegie, engrs.

N. C., Granite Falls—COTTON MILLS—A. A. Shuford, plans 2 story, 100 x 400 ft. mill, also 300 ft. addition to A. A. Shuford Mill.

Va., Franklin — MILL — Camp Mfg. Co. plans rebuilding lumber mills, recently destroyed by fire. $50,000 loss.

Mich., Detroit — POWER HOUSE — A. Kahn, archt., 1000 Marquette Bldg., takes bids about Oct. 9, 2 story and basement, 62½ x 70 ft., rein.-con. and brick, plain foundation, Gratiot Ave., for Hudson Motor Car Co., 12601 Jefferson Ave.

O., Cedarville—GARAGE and SERVICE STATION—R. Wolford had plans prepared by Stelling & Eastman, 926 Fairbanks Bldg., Springfield, 2 story and basement, 50 x 100 ft., brick and rein.-con. garage and service station. $85,000.

O., Cleveland—FACTORY—Wowenwright Knitting Co., J. F. Norton, pres., 5815 Kinsman Rd., had plans prepared by W. J. Wefel, 5716 Euclid Ave., 2 story, 95 x 187 ft., brick and steel addition, 5815 Kinsman Rd. $100,000.

Wis., Milwaukee—FACTORY—Sengbusch Self Closing Inkstand Co., 165 Michigan St., plans 2 story, 60 x 120 ft., brick and timber addition, Clybourn St. Engineer and architect not selected.

Minn., Bemidji—HEATING and POWER PLANT—State Bd. Administration, H. W. Austin, chn., Capitol Bldg., St. Paul, having plans prepared by C. H. Johnston, 715 Capitol Bank Bldg., 2 story, rein.-con., brick and slate, at State Teachers College, here. $105,000.

Minn., Duluth—LIMEKILN—Cutler-Magner Co., 1114 Fidelity Bldg., H. Laliberte, vice-pres., soon lets contract 2 story, 140 x 150 ft., rein.-con., steel and brick, on waterfront at foot of 12th Ave. E. Barnet-Record Co., 418 Lyceum Bldg., engrs.

Tex., Brownsville — YARN MILL — Merchants & Planters Cotton Mill, New Braunfels, plans 2 story and part basement, rein.-con. and brick, here. $100,000. Private plans.

Tex., El Paso — STORAGE — Globe El Paso Cotton Oil Co., having plans prepared 1 story and part basement, 280 x 390 ft., rein.-con. storage building. $160,000. Private plans.

Tex., Weslaco—ICE PLANT—Watson & Stevenson having plans prepared rein.-con., brick and steel, 20 ton capacity. Private plans.

B. C., Vancouver — LUMBER MILLS — Easterbrook Milling Co., 17 River St., plans rebuilding mills, to replace fire loss.

B. C., Vancouver — POWER PLANT — British Columbia Electric Ry. Co., 425 Carrall St., plans 60,000 hp. hydro-electric plant, on Bridge River. $30,000,000. E. E. Carpenter, 425 Carrall St., engr.

BIDS DESIRED

Ill., Chicago — BOILER HOUSE — See "Unclassified."

Wis., Browntown—FACTORY—See "Contracts Awarded."

Wis., Two Rivers — GAS PLANT — See "Contracts Awarded."

Wis., Marshfield — FACTORY — G. A. Krasin, archt., Central Ave., taking bids 1 story, 56 x 140 ft., brick, plain foundation, for Wisconsin Butter Tub Co., West 9th St. $40,000.

Wis., Milwaukee—SHOP—See "Contracts Awarded."

Wis., Wausau — FACTORY — See "Contracts Awarded."

Tex., Pleasanton — ICE PLANT — Pleasanton Electric & Ice Co., taking bids 50 x 150 ft., 20 ton ice plant rein.-con., brick and steel. $45,000. J. Marriott, Frost Bldg., San Antonio, engr.

CONTRACTS AWARDED

Mass., Belmont (Boston P. O.) — SUB-STATION — B. T. Broderick, chn. Bd. Selectmen, 2 story and basement, 35 x 45 ft., electric sub-station, rein.-con. and brick, to Tredennick-Billings Co., 10 High St., Boston. Archts. est. $75,000. Noted Sept. 24.

Mass., Dorchester (Boston P. O.) — FACTORY — Skinner Organ Co., Sydney St., 2 story, brick addition, Sydney St. and Crescent Ave., to L. W. Eddy, 141 Milk St., Boston. Archts. est. $40,000. Noted Sept. 3.

Conn., Bridgeport—TYPEWRITER RIBBON FACTORY—Remington Typewriter Co., Railroad Ave., 3 story, 40 x 60 ft. rein.-con., brick and steel addition, to Stewart Eng. Co., 17 East 42nd St., New York City. Archts. est. $50,000. Noted Sept. 3.

N. Y., Buffalo — SILK MILL — Dupont Fibersilk Co., River Rd., addition to present mill, to Dupont Eng. Co., Dupont Bldg., Wilmington, Del., $8,000,000.

N. Y., New York—GAS PLANT—Consolidated Gas Co., 130 East 15th St., rein.-con., brick and steel, plain foundation, Hunts Point Rd., to W. F. Kenny Co., 44 East 23rd St. Archts. est. $4,000,000.

N. J., Atlantic City—POWER PLANT—A. Jellett Co., engrs., 11th and Locust Sts., Phila., Pa., 6 story, 75 x 124 ft., brick and steel, Leeds and Lippincott Sts., here, to Irwin & Leighton, 126 North 12th St., Phila., Pa., for Chalfonte-Haddon Hall Hotel, North Carolina and Beach Sts. Archts. est. $250,000. Noted Sept. 3.

Pa., Phila.—MANUFACTURING—Bayuk Cigar Co., 3rd and Spruce Sts., 10 story and basement, 104 x 316 ft., rein.-con. and brick, plain foundation, 9th and Columbia Sts., to Wark Co., 1600 Walnut St. Archts. est. $1,000,000.

Pa., Phila.—MANUFACTURING—Ballinger Co., archts., 12th and Chestnut Sts., 1 story and basement, 119 x 225 ft., rein.-con., brick and steel addition to radio plant, plain foundation, Roberts Ave. and Kingshighway, to Irwin & Leighton, 126 North 12th St., for Atwater Kent Co., Roberts Ave. and Kingshighway. Noted Aug. 27.

W. Va., Huntington—BOILER SHOP—Chesapeake & Ohio R.R. Co., I. W. Johns, ch. engr., Richmond, Va., 1 story, 140 x 404 ft., rein.-con., brick and steel boiler shop, plain foundation, here, to M. R. Hanke, Box 231, Cincinnati, O. Archts. est. $400,000. This corrects report in Sept. 3 issue.

N. C., Greensboro — COLD STORAGE PLANT — W. H. Anderson Co., 2 story, 100 x 150 ft., rein.-con. and brick, to F. Moesser, 1025 South Garden St. Engrs. est. $250,000.

Fla., Bradentown—GAS PLANT—City, gas plant and distribution system, to Amer. Gas Constr. Co., Newtown, Ia., $99,500. This corrects report in Sept. 3 issue.

O., Ashland—PLANT—E. Myers & Bro. Co., P. A. Myer, pres., 5 story and basement, 70 x 180 ft., brick and rein.-con., to G. Kratt & Son, Lorain. Archts. est. $200,000. Noted Aug. 27.

O., Cincinnati — PLANT — Lockwood, Greene & Co., archts. and engrs., 1 Pershing Sq., New York City, 14 story and basement, 116 x 190 ft., brick, steel and concrete, 619 Vine St., here, to Fuller Constr. Co., 175 5th Ave., New York City, for Cincinnati Enquirer, Vine St. Noted July 16.

O., Cleveland — CUPOLA HOUSE, FOUNDRY, etc.—W. S. Tyler East 36th St. and Superior Ave., 2 story, 38 x 40 ft., brick and concrete, 1401 East 36th St., to S. W. Emerson Co., Union Bldg. Archts. est. $40,000.

O., Cleveland—FACTORY—Lang Body Co., C. E. Lang, pres., 3088 West 106th St., 1 story, 80 x 182 ft., brick and steel, West 106th St., to R. S. Ursprung, Perry Payne Bldg. Archts. est. $60,000. Noted Oct. 1.

O., Cleveland—TANK ROOM and ICE STORAGE—Pilsener Brewing Co., 6601 Clark Ave., 1 and 2 story, 54 x 68 ft., brick and concrete, 6601 Clark Ave., to W. F. Thompson & Son Co., Chester-Twelfth Bldg. Archts. est. $40,000.

Mich., Detroit — POWER PLANT — Pub. Lighting Comn., East Atwater St., superstructure 1 and 3 story, rein.-con. and brick screen house, machine house and yard structures, Morrell St., to W. E. Wood Co., 1805 Ford Bldg., $1,534,800. Noted Sept. 17.

Wis., Milwaukee—SHOP—H. Schmitt & Sons, Inc., 430 Farwell Ave., will build 2 story, 42 x 115 ft., brick and timber shop, Burleigh St., by day labor. $45,000. Private plans.

Wis., Browntown — FACTORY—Merrell-Soule Co., will build 1 and 2 story, brick factory, plain foundation, by day labor. $150,000. Private plans.

Wis., Fond du Lac — Cold Storage — Winnebago Cheese Co., 233 West Division St., 3 story and basement, 40 x 62 ft., rein.-con. and brick, plain foundation, to Immel Constr. Co., Dana Bldg. Archts. est. $40,000.

Wis., Manitowoc — FACTORY — A. M. Richter & Sons Co., 8th and Madison Sts., having plans prepared by C. C. Reynolds, Dempsey Bldg., 3 story, 40 x 130 ft., brick, rein.-con. and steel addition, plain foundation. $40,000.

Wis., Milwaukee—PRINTING PLANT—Weber Printing Co., 427 11th Ave., 2 story and basement, 52 x 150 ft., brick, plain foundation, to Meredith Bros., 253 Washington St. Archts. est. $40,000. Noted Aug. 27.

Wis., Racine—DAIRY PLANT—Progressive Dairy Co., 1214 Lathrop Ave., 2 story and basement, 56 x 75 ft., rein.-con. and brick, plain foundation, to Olson Bros., 904 Belmont Ave. Archts. est. $50,000. Noted Aug. 20.

Wis., Two Rivers — GAS PLANT — Wisconsin Pub. Serv. Co., 559 Marshall St., Milwaukee, will build 2 story, brick and steel gas plant and steel retainer, plain foundation, by day labor. $200,000. A. F. Davey, c/ owner; engr. Noted Aug. 27.

Wis., Wausau—FACTORY—Rib Mountain Granite Wks., 320 3rd St., A. W. Prehn, pres., will build 1 story, 42 x 158 ft., brick, plain foundation, by day labor. $40,000. Private plans.

Mo., St. Louis — WAREHOUSE — Bd. Educ., 911 Locust St., general contract warehouse addition, School St., to J. J. Clark Constr. Co., Arcade Bldg., $48,714.

Mo., St. Louis—GLASS FACTORY—Mississippi Glass Co., Main and Angelica Sts., 1 and 2 story, 85 x 185 ft., rein.-con. and brick addition, 95 West Angelica St., to Esselstyn & Carey, 2539 Woodward St., Detroit, Mich. Archts. est. $250,000.

Tex., Palestine—ICE PLANT—Palestine Ice Co., rebuilding brick and concrete addition, to Ophuls & Hill, Inc., 112 West 42nd St., New York City, approximately $45,000.

Que., Port Alfred—NEWSPRINT PLANT—Port Alfred Pulp & Paper Corp., general contract 200 ton newsprint plant, to Foundation Co., 746 Sherbrooke St. W., Montreal. Engrs. total est. $3,500,000. Noted Nov. 20, 1924.

Buildings—Commercial

PROPOSED WORK

Vt., St. Johnsbury — THEATRE and STORE—A. Pegu, St. Johnsbury, and c/o Haynes & Mason, archts., 29 Park Bldg., Fitchburg, Mass., having plans prepared 2 story, brick theatre and store building. $150,000.

Mass., Boston—APARTMENT—D. Stern, 294 Washington St., having plans prepared by G. N. Jacobs, 4 Park St., 6 story and basement, 5,000 sq.ft. floor space, brick and stone, Pinckney St. $200,000.

Mass., Boston — HOSPITAL — Massachuset General Hospital, c/o Bd. Trustees, Fruit St., plans new hospital, Fruit St. $1,000,000. Engineer and architect not selected.

Mass., Boston — OFFICE — Boston Consolidated Gas Co., 149 Tremont St., plans 15 story and office building, Arlington St. To exceed $150,000. Engineer and architect not selected.

Mass., Boston—STORE and OFFICE—A. Rosenthal Estate, 294 Washington St., having plans prepared by Funk & Wilcox, 26 Pemberton Sq., 5 story and basement, rein.-con. and brick, 6-10 Beach St. $160,000.

Mass., Dorchester (Boston P. O.) — APARTMENT—J. Morris, 322 West Bway., South Boston, having plans prepared by M. Levy, 7 Water St., Boston, 3 story and basement, brick and timber, Fields Corner, here. $200,000.

Mass., East Boston (Boston P. O.) — POLICE STATION—Pub. Buildings Dept., Boston, J. P. Englert, supt., plans 2 story, brick addition to police station and municipal building, here. $150,000 or more. Engineer and architect not selected.

Mass., Worcester — HOSPITAL — W. A. Merrill, bus. agt., rejected bids 1 story and balcony, 40 x 80 x 96 x 150 ft., brick and stone dining room addition to State Hospital for Mental Diseases, Summer St. $150,000. Noted Sept. 24.

N. Y., New York—APARTMENT—Eight Hundred and Twenty Park Ave. Corp., c/o H. A. Jacobs, archt. and engr., 646 East 55th St., having plans prepared 15 story, brick, steel and stone, plain foundation, Park Ave. and 75th St.

N. Y., New York — APARTMENT and STUDIO CLUB — Authors League of America, Inc., 2 East 23rd St., having plans prepared 20 story, 115 x 140 ft., brick, steel and stone, plain foundation, 122 East 34th St. Private plans.

N. Y., New York—HOSPITAL—Dept. Plant & Structures, Municipal Bldg., having plans prepared 5 story, brick, steel and stone, plain foundation, 771 East 16th St. $250,000.

N. Y., New York—LOFT—G. Kern & T. P. McLoughlin, 349 West 37th St., having plans prepared by G. and E. Blum, archts. and engrs., 505 5th Ave., 16 story, 100 x 225 ft., brick, steel and stone, plain foundation, West 31st St. $4,500,000.

N. Y., New York—STORE—I. Gimbel, West 33rd St., having plans prepared by R. E. Hall, archt. and engr., 231 West 43rd St., altering 10 story, brick, steel and stone, West 33rd St. $275,000.

N. Y., New York—THEATRE—A. B. Minsky, 111 East Houston St., having plans prepared by S. J. Kessler, archt. and engr., 529 Courtlandt St., brick, steel and stone, plain foundation., East Houston St. $800,000.

N. Y., Tonawanda—THEATRE—D. Buso, c/o Lewis & Hill, archts., 892 Main St., Buffalo, having preliminary plans prepared 125 x 135 ft., rein.-con. and brick theatre, here. $180,000.

Pa., Allentown—HOTEL—J. K. Bowen, 9th and Hamilton Sts., retained Day & Zimmerman, eng. and construction mgrs., 16th and Walnut Sts., Phila., and will take bids latter part of October, 10 story and basement, 100 x 175 ft., rein.-con., brick and steel, 9th and Hamilton Sts. $1,400,000. Thomas, Martin, Kirkpatrick, 220 South 76th St., Phila., archts.

Pa., Bradford — CLUB — Loyal Order of Moose, having plans prepared by Lawrie Green Co., 116 Locust St., Harrisburg, 3 story and basement, 80 x 80 ft., brick clubhouse. $150,000.

Pa., Phila.—LODGE—P. O. S. of A., c/o H. M. Fayden, having plans prepared by H. Miller, Crozer Bldg., 4 story and basement, 40 x 160 ft., rein.-con., brick and steel, plain foundation, 1317-19 North Broad St. $175,000.

Pa., Pittsburgh—APARTMENT—Garden Court Apartment Co., c/o D. A. Crone, archt., Oliver Bldg., having plans prepared 3 story and basement, 132 x 168 ft., brick and steel, Center Ave. $300,000.

Pa., Williamsport—Y. W. C. A., East 3rd and Mulberry Sts., plans 3 story and basement, 100 x 120 ft., brick and stone, 821 West 4th St. $300,000.

N. C., Greensboro—RAILROAD STATION—Southern Ry. System, 1300 Penn Ave., Wash., D. C., soon takes bids railroad station sheds, etc., here. $750,000. B. Herman, ch. engr. O. S. Payzant, 155 West 55th St., New York City, engr. in charge.

Fla., Indrio — HOTEL — East Coast Development Co., had plans prepared by W. C. Krieg, 105 North Clark St., Chicago, Ill., 4 or 5 story brick and stucco hotel. $1,500,000. C. W. Murray, ch. engr. of owner.

Fla., Palm Beach — HOTEL — Harvey Development Co., c/o G. W. Harvey, 100 Milk St., Boston, Mass., having plans prepared by E. B. Stratton, 25 Arch St., Boston, Mass., 4 story and basement, 100 x 150 ft., brick, steel, and terra cotta hotel, at Villa Rica, 25 miles south of here. $500,000.

Miss., Greenville — HOSPITAL — Kings Daughters, c/o secretary, soon takes bids 4 story, rein.-con., brick and stone hospital. $200,000. W. F. Schultz, Chamber of Commerce Bldg., Memphis, Tenn., archt.

Tenn., Knoxville—Y. M. C. A., Commerce and State Sts., plans to raise $550,000 funds for new building.

O., Cleveland—COMMERCIAL, OFFICE and GARAGE — Brighton Realty Co., J. Laronge, 600 Union Trust Bldg., having plans prepared by F. W. Ball, 1152 Hanna Bldg., 2 story and basement, 100 x 140 ft., brick and timber, West 117th St. and Lorain Ave. $150,000.

O., Cleveland—EXCHANGES—Ohio Bell Telephone Co., C. Cooper, pres., 4300 Euclid Ave., having plans prepared by F. A. Ward, 4300 Euclid Ave., two 2 story and basement, brick and rein.-con., one at East 158th St. and Kinsman Rd., and other at 18900 Nottingham Rd. $150,000 each. G. A. Kositsky, 4300 Euclid Ave., engr.

O., Youngstown—THEATRE and DANCE HALL—State Amusement Co., F. H. Davis, treas., Mahoning Bank Bldg., soon lets contract 1 story and basement, 87 x 137 ft., brick, steel and concrete theatre and dance hall. $250,000. C. H. Crane, Huron Bldg., Detroit, Mich., archt. Noted July 18.

Mich., Detroit — APARTMENT — W. O. Briggs, 11631 Marquette Bldg., had plans prepared by A. Kahn, 1000 Marquette Bldg., 5 story and basement, rein.-con. and brick, plain foundation, Covington Dr. $500,000.

Mich., Detroit — GARAGE — Janke, Venman & Krecke, archts., 1504 Bway., preparing plans 3 story and basement, 120 x 160 ft., rein.-con., brick, plain foundation, Parker Ave. $150,000. Owner's name withheld.

Mich., Detroit—THEATRE—A. D. Baehr, 9612 Nardin Ave., having plans prepared by C. W. Brandt, 1114 Kresge Bldg., 3 story and basement, 100 x 150 ft., rein.-con., brick and steel, Michigan Ave. $200,000.

Mich., Detroit—THEATRE and OFFICE—Stair-Shubert Realty Co., Free Press Bldg., had plans prepared by H. L. Krapp, 1650 Bway., New York City, 6 story and basement, 130 x 160 ft., rein.-con. and brick, plain foundation, Lafayette Blvd.

Ill., Chicago—APARTMENT—W. L. Wallen & Sons, 6712 North Clark St., takes bids about Oct. 5, 3 story, 100 x 150 ft., rein.-con. and brick, plain foundation, 1516-20 Fargo Ave. $200,000. P. F. Olson, 720 Cass Ave., archt.

Ill., Chicago — THEATRE, STORE and OFFICE—Rapp & Rapp, archts., 190 North State St., soon take bids 2 story, 175 x 180 ft., rein.-con., brick, steel and terra cotta, wood pile foundation, Cicero and Belmont Aves., for Balaban & Katz Corp., 175 North State St. $1,500,000.

Ill., Glen Ellyn — TEMPLE and THEATRE—Glen Ellyn Masonic Lodge, 950 A. F. A. M., K. Loehr, secy., having preliminary plans prepared by E. F. Behrens, 605 North Michigan Ave., Chicago, 2 story and basement, 125 x 125 ft., rein.-con., pressed brick and terra cotta, North Main St. $160,000.

Wis., Madison—HOTEL—M. Tullgren & Sons, archts., 9 Waverly Pl., Milwaukee, rejected bids Aug. 24, 8 story and basement, brick and concrete addition, Fairchild St., here, for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. $200,000. Noted Aug. 20.

Wis., Madison—STORE—University Cooperative Co., E. J. Grody, mgr., 508 State St., having plans prepared by Claude & Storck, Badger Annex, 1 story, 66 x 122 ft. and 40 x 51 ft., brick and rein.-con. store. $150,000. Noted Aug. 27.

Wis., Madison — THEATRE — Strand Theatre Corp., c/o A. P. Desormeaux, secy., 16 East Mifflin St., plans 1 story, rein.-con., brick and steel theatre. $200,000. Engineer and architect not selected.

Wis., Milwaukee—BANK—Teutonia Ave. State Bank, 1074 Teutonia Ave., having plans prepared by Dick & Bauer, 811 State St., 1 story and basement, 42 x 130 ft., rein.-con., brick and stone, plain foundation, Teutonia Ave. $150,000. Noted Sept. 17.

Ia., Burlington—HOTEL—F. B. Waggener, 205 Polk St., having preliminary plans prepared by W. F. Weibley, 505 Tama Bldg., 3 story and basement, 120 x 150 ft., rein.-con., brick and stone, Main St. $150,000.

Minn., Minneapolis—HOSPITAL—St. Andrews Hospital Assn., c/o A. H. Wilke, pres., 710 South East 5th St., having plans prepared by Sund & Dunham, 512 Essex Bldg., probably 4 story and basement, rein.-con., brick and stone addition, 5th St. and 7th Ave. S. E. $200,000.

Neb., Omaha — BANK — Union State Bank, 16th and Dodge Sts., plans 10 story and basement, 68 x 132 ft. bank, 19th and Farnam Sts. $750,000. Engineer and architect not selected.

Mo., St. Louis — APARTMENT — Saum Bros., 713A Chestnut St., purchased site and plan 9 story and basement, 122 x 200 ft., rein.-con., brick, stone and steel, Grand St. and Castleman Ave. $1,000,000. Private plans.

Tex., El Paso — SANITARIUM — A. Brusson, plans 4 story and basement, rein.-con., brick and stone, plain foundation. $200,000. Engineer and architect not selected.

Tex., Fort Worth—EXCHANGE—Southwestern Bell Telephone Co., c/o F. W. Yensen, building supt., 512 Union Fidelity Bldg., Dallas, having plans prepared by I. R. Timlin, c/o owner, 3 story and basement, 75 x 100 ft., rein.-con., brick and stone, 11th and Throckmorton Sts. $150,000. Sanguinett-Staats & Hedrick, 1st Natl. Bldg., engrs.

Tex., San Antonio — COURTHOUSE — Bexar Co. voted $1,400,000 bonds new County courthouse, Dwyer and Dolores Aves. A. C. Pancoast, 102 Turner St., co. engr. Noted Aug. 27.

Okla., Tulsa—OFFICE—Independent Oil & Gas Co. having plans prepared by Smith & Senter, archts. and engrs., 5 story and basement, 77 x 120 ft., rein.-con., brick and stone, plain foundation. $350,000. Noted July 30.

Calif., Chico — THEATRE — West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, plans theatre, Main and 5th Sts., here. $350,000.

Calif., Culver City—THEATRE—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, plans Class A theatre, here. $250,000.

Calif., Hermosa Beach—HOTEL—J. A. Morrison, Hotel Breakers, Pasadena, having plans prepared by Marston, Van Pelt & Maybury, 25 South Euclid Ave., Pasadena, 7 story and basement, rein.-con. hotel with swimming pool, here. $350,000.

Calif., Los Angeles—APARTMENT—L. Callahan & Sons, archts., 518 Carondelet St., preparing plans 5 story and basement, 114 x 150 ft., rein.-con., Normandie St. between 7th and 8th Sts. $350,000. Owner's name withheld.

Calif., Los Angeles—APARTMENT—L. Callahan & Sons (owners and archts.), 518 Carondelet St., preparing plans 5 story and basement, 114 x 130 ft., rein.-con., Normandie St. between 7th and 8th Sts. $250,000.

Calif., Los Angeles — APARTMENT — E. G. Niemann Investment, Inc., 5656 Hollywood Blvd., having plans prepared by A. C. LeBrun & Co., 5656 Hollywood Blvd., 5 story and basement, 80 x 200 ft., brick, Hayworth Ave. near Fountain Ave. To exceed $150,000.

Calif., Los Angeles—THEATRE, STORE and OFFICE—Chotiner Theatres, Inc., 805 South Vermont St., having plans prepared by R. D. King, 519 Van Nuys Bldg., 2 story, 103 x 135 ft., 87th St. and La Brea Ave. $275,000.

Calif., Oroville—LODGE—B. P. O. E. had plans prepared by L. F. Starks & Co., Oschner Bldg., Sacramento, 3 story lodge building. Noted Apr. 30.

Calif., Sacramento — HOSPITAL—Sacramento Co. having plans prepared by R. A. Herold, Forum Bldg., 2 story and basement, concrete administration and ward building. $175,000.

Calif., San Francisco — THEATRE, BANK, etc.—Capitol Co., Bank of Italy Bldg., having plans prepared by H. A. Minton, Bank of Italy Bldg., theatre, bank and office building, Market and Hayes Sts. $3,000,000.

Calif., Santa Barbara—OFFICE—J. M. Hawley, Jr., had plans prepared by M. Hunt, 1107 Hibernian Bldg., Los Angeles.

Buildings—Commercial (Continued)

2 story store and office, and 1 story shop buildings. $400,000.

Calif., Santa Monica—GARAGE—Edgewater Club of Santa Monica, having plans prepared by L. Rally, 1019 Wright and Callendar Bldg., Los Angeles, 5 story, 100 x 108 ft., rein.-con., Ocean Ave. and San Vicente Terrace. To exceed $150,000.

Calif., Santa Monica—HOTEL—Palisades Hotel Co., having plans prepared by E. J. Baume, 124 San Vicente Blvd., 7 story and basement, 150 x 350 ft., rein.-con., Ocean Ave. between Marquerita and Alta Aves. $1,100,000.

Calif., San Pedro — OFFICE — Channel Building Corp., 1030 Bank of Italy Bldg., Los Angeles, had plans prepared by J. M. Haenke, 412 Rives-Strong Bldg., Los Angeles, 10 story and basement, 66 x 327 ft., rein.-con., 1st and Front Sts., here. $600,000.

Ont., Toronto—CLUB—Granite Club, 519 Church St., plans 2 story and basement, rein.-con., plain foundation, St. Clair Ave. $500,000. Engineer and architect not selected.

Ont., Toronto—OFFICE—Imperial Oil Co., 56 Church St., having plans prepared by Clinton & Russell, Metropolitan Bldg., 8 story and basement, rein.-con., brick and steel addition, plain foundation, Church St. $300,000.

Ont., Toronto—TERMINAL—White Star Transit Co., 89 Dundas St., plans 3 story and basement, rein.-con. and brick garage and terminal building, plain foundation, Dundas St. $170,000. Engineer and architect not selected.

BIDS DESIRED

N. H., Laconia — APARTMENT and STORE — T. J. McIntyre, taking bids 3 story and basement, 80 x 95 ft., brick, Main St. $150,000. L. N. J. Fuyat, Laconia, archt.

Vt., St. Johnsbury — THEATRE and STORE—A. Pegu taking bids 2 story and basement, brick theatre and store building. $150,000. Haynes & Mason, 29 Park Bldg., Fitchburg, Mass., archt.

Mass., Boston—APARTMENT—See "Contracts Awarded."

R. I., Providence—STORE and WAREHOUSE—C. J. McLeod, 200 Devonshire St., Boston, Mass., taking bids 2 story, 48 x 112 x 148 ft., rein.-con., brick and steel, 190 Richmond St., here. $160,000. B. S. D. Martin, 86 Weybosset St., archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Fishers Island — CLUB — Fishers Island Corp., taking bids 3 story and basement, 50 x 352 ft., rein.-con. and stucco club. E. M. Parsons & Co., 1 Beacon St., Boston, Mass., archts.

N. Y., Hudson—STORAGE—Canada Dry Ginger Ale Co. taking bids 1 story, 243 x 243 ft., brick and timber storage building. $150,000. Monks & Johnson, 99 Chauncy St., Boston, Mass., archts.

N. Y., New York—APARTMENT—See "Contracts Awarded."

Md., Baltimore—APARTMENT—Oct. 3, by J. Myerberg & S. Jelinek, archts., 210 North Calvert St., 3 story and basement, 80 x 85 ft. brick, plain foundation, Liberty Heights Ave. near Calloway Ave., for Julius Apartment Co. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — Carlton Impvt. Co., A. Bralosky, 826 Williamson Bldg., taking bids 3 story and basement, 65 x 133 ft., brick, Detroit Ave. $200,000. A. F. Janowitz, 811 Prospect Ave., archt.

Mich., Detroit — GARAGE — Oct. 9, by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 4 story, 80 x 150 ft., rein.-con. and brick, Vinewood St., for C. F. Smith Co., 615 West Grand Blvd. $150,000.

Mich., Grand Rapids—OFFICE—Oct. 9, by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, 12 story and basement, 88 x 89 ft. and 44 x 75 ft., rein.-con. and brick, plain foundation, Monroe St. and Ionia Ave., here, for Grand Rapids Trust Co., Monroe St.

Ill., Chicago—FIELD HOUSE—Oct. 15, by Holabird & Roche, archts., 104 South Michigan Ave., 1 story, (equivalant to 4 story), 170 x 371 ft., rein.-con., steel, brick and stone, plain foundation, 57th St. and Ellis Ave., for University of Chicago, 230 South Park St. $700,000. Noted Sept. 3.

Ill., Chicago—STORE—Oct. 20, by Holabird & Roche, archts., 104 South Michigan Ave., 6 story and basement, 130 x 166 ft., rein.-con., wood pile foundation, Lake St. and Michigan Ave., for McCormick Estate, J. F. Stone, agt. 30 North La Salle St. $1,000,000.

Wis., Milwaukee — HOTEL and BUSINESS—A. Tegtmeyer, 401 Grand Ave., taking bids 10 story and basement, 52 x 150 ft., brick, concrete and terra cotta, plain foundation, Grand Ave. $450,000. Noted July 2.

Wis., Racine — THEATRE — Oct. 14, by Rialto Amusement Co., 517 Main St., 2 story and basement, 120 x 147 ft., brick, concrete and terra cotta, plain foundation. To exceed $150,000. C. H. Crane, Huron Bldg., Detroit, Mich., archts. Noted Aug. 27.

Ia., Webster City—TEMPLE—Nov. 4, by Masonic Temple Assn., 2 story and 2 mezzanines, 51 x 111 ft., rein.-con., brick, stone and steel. Former bids rejected. H. B. Burr, Commercial Bldg., Waterloo, archt.

Tex., Brownsville—HOTEL—James-Dickson Co. taking bids 6 story and basement, rein.-con., tile and stone, plain foundation. $400,000. Kelwood Co., Travis Bldg., San Antonio, engrs. and archts. Noted Sept. 10.

Okla., El Reno—CONVENTION HALL—Oct. 5, by E. Dowell, city clk., 2 story and basement, rein.-con. and brick, plain foundation, Bickford St., for City. $150,000. Layton, Hicks & Forsythe, Braniff Bldg., Oklahoma City, archts.

Calif., Oakland—HOTEL—Boulevard Hotel Co., c/o J. L. Stewart, archt., 703 Market St., San Francisco, taking bids 14 story and basement hotel, San Pablo Ave., here. $2,000,000. Noted July 16.

BIDS RECEIVED

N. J., Skillman—STAFF HOUSE, etc.—Dept. Institutions & Agencies, Trenton, Sept. 14, general contract 30 x 107 ft. staff house, 30 x 91 ft. home, 29 x 58 ft. doctors home, and repairing cottages at New Jersey Village for Epileptics, here, from C. J. Smith Constr. Co., 3204 Academy St., Trenton, $250,000. This corrects report in Sept. 24 issue.

CONTRACTS AWARDED

N. H., Manchester—BUSINESS—H. N. Bond, c/o C. R. Whitcher, archt., 814 Elm St., 5 story and basement, 50 x 100 ft., brick and steel, Elm St., to F. A. Rumery Co., 537 Congress St., Portland, Me. Archts. est. $150,000

N. H., Manchester—STORE—H. N. Bond, 913 Elm St., 5 story and basement, 50 x 100 ft., brick and stone, Elm and Concord Sts., to F. A. Rumery Co., 537 Congress St., Portland, Me. Archts. est. $160,000.

Mass, Amherst—HOTEL—Amherst Inn, c/o Putnam & Cox, archts, 114 State St., Boston, 3 story and basement, 35 x 65 ft., with 35 x 75 ft. ell, brick, stone and steel, Spring St., to Casper Ranger Constr. Co., 20 Bond St., Holyoke. Archts. est. $150,000. Noted Aug. 20.

Mass., Boston — APARTMENT — The Madison, Inc., 31 Milk St., 10 story and basement, brick and stone, 172-174 Beacon St., to M. W. Ryan, 763 Massachusetts Ave., Cambridge. Archts. est. to exceed $150,000.

Mass., Boston — APARTMENT — W. Cohen, 33 Washington St., will build 8 story and basement, 32 x 104 ft., brick and cast stone, plain foundation, 50 Commonwealth Ave. $400,000. Work will be done by separate contracts. G. N. Jacobs, 4 Park St., archt.

Mass., Boston—BANK and OFFICE—Union Institute for Savings, 216 Tremont St., 8 story and basement, 40 x 200 ft., brick and limestone, to G. B. H. Macomber Co., 44 Bromfield St. Archts. est. to exceed $150,000. Noted Aug. 20.

Mass., Boston—HOTEL—Hotel Commodore, 315 Tremont St., Hotel Commodore, 5 story and basement, brick, Tremont St. and Bway., to Adams-Pond Co., 568 Columbia Rd., Dorchester. Archts. est. $150,000.

Mass., Boston—STORE—B. Brooker, 130 Worcester St., altering and constructing 6 story, rein.-con., brick and steel addition, to Hub Constr. Co., 333 Washington St. Archts. est. $150,000.

Mass., Brookline (Boston P. O.). — APARTMENT—Pelham Hall, Inc., c/o A. H. Bowditch, archt., 44 Broomfield St., Boston, 8 story and basement, 109 x 128 ft., rein.-con., brick and steel, to M. W. Ryan, 763 Massachusetts Ave., Cambridge. Archts. est. $1,000,000. Noted Sept. 10.

Mass., Lawrence—STORE—Garvey Bros. & Wagenbach, 362 Essex St., 4 story and basement, 60 x 100 ft., brick, plain foundation, 387 Essex St., to Shufeldt & McAloon, North Andover. Archts. est. $200,000.

Mass., Newton (Ind. br. of Boston) — STORE and OFFICE—A. Pescosilido, 192 Adams St., 3 story and basement, 50 x 135 ft., brick store and office building, to J. Cardarelli, 25 Lincoln St. Archts. est. $150,000.

Mass., Quincy (Boston P. O.) — POLICE STATION — City Pub. Building Dept., City Hall, 2 story and basement, rein.-con., brick and steel, to W. R. Lofgren, 19 Cottage St. Archts. est. $150,000. Noted Sept. 17.

Mass., Somerville (Boston P. O.)—HOS-APARTMENT—Pelham Hall, Inc., c/o A. H. Bowditch, archt., 44 Bromfield St., Boston, 8 story and basement, 100 x 128 ft., rein.-con., brick and steel, to M. W. Ryan, 763 Massachusetts Ave., Cambridge. Archts. est. $1,000,000. Noted Sept. 10.

Mass., Waltham (Ind. br. of Boston)—CITY HALL—H. T. Beale, Mayor, 2 story and basement, 65 x 105 ft., brick, limestone and granite, to C. S. Cunningham & Sons Co., 80 Boylston St., Boston, $252,551. This corrects report in Sept. 24 issue.

R. I., Providence — BUSINESS—Swedish Workingmens Assn., c/o Clarke & Howe, archts., 1208 Turks Head Bldg., 3 story and basement, brick and steel, to A. W. Marchant, Inc., Hospital Trust Bldg. Archts. est. $150,000. Noted April 23.

R. I., Providence — OFFICE — Mortgage Title & Guarantee Co., 209 Turks Head Bldg., 6 story and basement, 58 x 135 ft., brick and steel, Westminster St., to A. W. Merchant, Inc., Hospital Trust Bldg. Archts. est. $250,000.

Conn., Hartford — BUSINESS—Odd Fellows Hall Assn., 420 Main St., 4 story, 44 x 185 ft., brick and steel, Main St., to Wise & Upson, 36 Pearl St. Archts. est. $200,000. Noted Aug. 20.

N. Y., Brooklyn—APARTMENT—L. Gold & Co., 270 Madison Ave., New York City will build 6 story, 100 x 120 ft., brick, steel and stone, plain foundation, Livingston St., here. $300,000. Work will be done by separate contracts. Shwartz & Gross, 347 5th Ave., New York City. Archts. and engrs.

N. Y., New York—APARTMENT—Claire Building Corp., c/o C. Kreymborg & Son, archts. and engrs., 2534 Marion Ave., will build 6 story, 100 x 100 ft., brick, steel and stone, plain foundation, Woodycrest Ave., by day labor. $175,000.

N. Y., New York—APARTMENT—Courtland Bishop Corp., 14 Wall St., 15 story, 100 x 200 ft., brick, steel and stone, plain foundation, 6th Ave. and 55th St., to Cauldwell-Wingate Co., 381 4th Ave. Archts. est. $1,500,000. Noted May 14.

N. Y., New York—HOTEL—Savoy Hotel, L. A. Boomer, pres., 767 5th Ave., 37 story, 200 x 300 ft., brick, steel and stone, plain foundation, 5th Ave. and 59th St., to Fuller Constr. Co., 175 5th Ave. Archts. est. $17,000,000. Noted Oct. 16.

N. Y., New York—WAREHOUSE—Manhattan Storage & Warehouse Co., 124 East 42nd St., 15 story, rein.-con., brick and steel, 201 East 80th St., to M. Eidlitz, 33 East 42nd St. Archts. est. $900,000. Noted Sept. 17.

N. J., Atlantic City — HOTEL — Hotel Shelburn, Michigan and Beach Aves., 14 story, brick, steel and stone, plain foundation, to Fuller Constr. Co., 175 5th Ave., New York City.

N. J., Westfield—ARMORY—State Military Bd., Trenton, 22 x 140 ft., brick and steel armory, here, to Sobray & Whitcomb, 105 West 40th St., New York City, $164,524. Noted Sept. 24.

Pa., Lansdowne—APARTMENT—J. F. Roystone, 715 East Girard St., will build 4 story and basement, 110 x 160 ft., rein.-con., brick and steel, plain foundation, Stratford and Lansdowne Sts. $300,000. Work will be done by separate contracts. S. Kaplan, 10 South 18th St., Phila., archt.

Pa., Oil City—BANK—Weary & Alford, archts., 1923 Calumet Ave., Chicago, Ill., 4 story, mezzanine and basement, 63 x 100 ft., brick, terra cotta and steel, Seneca and Center Sts., here, general contract to H. L. Vanderkorst, Kalamazoo, Mich., for Oil City Natl. Bank, 49 Seneca St. $300,000. Noted July 2.

Pa., Phila.—OFFICE and BANK—Ballinger Co., archts., 12th and Chestnut Sts., and Heacock & Hokenson, archts., 1211 Chestnut St., 18 story and basement, 39 x 136 ft., rein.-con., brick, stone and steel, plain foundation, Sydenham and Walnut Sts., to Roydhouse-Arey Co., 112 North Broad St., for Mutual Trust Co., 4th and Market Sts. Archts. est. $1,100,000. Noted Sept. 17.

Pa., Phila.—RESTAURANT and OFFICE—R. Benckert, archt., Bellevue Court Bldg., 9 story and basement, 42 x 153 ft., rein.-con., brick and steel, plain foundation, 16th and Chestnut Sts., to Roberts & Roller, 1904 Sansom St., for Horn & Hardart Baking Co., 240 South 10th St. Archts. est. $600,000. Noted Sept. 3.

Pa., Pittsburgh — GARAGE — Pittsburgh Parking Co., Inc., general contract 6 story and basement, 90 x 160 ft., concrete, brick and steel, Pennsylvania Ave. and Evans Way, to Mellon-Stuart Co., Oliver Bldg. Archts. est. $400,000. Noted July 30.

Fla., St. Petersburg—NEWSPAPER and OFFICE—Times Publishing Co., 4 story, rein.-con. and steel, 1st Ave. S. between 4th and 5th Sts., to E. S. Moore & Son, St. Petersburg, $250,000.

Buildings—Commercial (Continued)

Fla., St. Petersburg — THEATRE and OFFICE—Famous Players-Lasky Corp., 485 5th Ave., New York City, theatre and office building, here, to Fuller Constr. Co., 175 5th Ave., New York City. Archts. est. $500,000. Noted Feb. 12.

Fla., Tampa—THEATRE and OFFICE—Famous Players-Lasky Corp., 485 5th Ave., New York City, theatre and office building, here, to G. A. Fuller, 175 5th Ave., New York City. Noted Feb. 12.

Miss., Biloxi — HOTEL — C. Matthis, archt., general contract 5 story rein.-con., stucco and steel addition to Buena Vista Hotel, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $151,500; plumbing and heating, to Biloxi Plumbing Co., Biloxi, $45,-687, for Buena Vista Hotel Co. Noted Sept. 3.

Tenn., Chattanooga — HOTEL — Read House, 9th and Broad Sts., S. R. Reed, pres., 328 room addition to hotel, to Fuller Constr. Co., 175 5th Ave., New York City, N. Y. Noted Jan. 8.

Tenn., Nashville — OFFICE, LODGE, GARAGE, etc.—I. O. O. F., general contract rein.-con., brick, cut stone and terra cotta building, incl. office, lodge, garage and auditorium, to F. Creighton, 4th & 1st Natl. Bank Bldg., $125,640. Archts. est. $800,000.

O., Akron—AUDITORIUM—Knights of Columbus Lodge, 282 West Market St., brick and stone auditorium, West Market St., to Carmichael Constr. Co., 524 Central Saving & Trust Bldg., $150,000.

O., Canton—GARAGE—Rogers Motor Sales Co., 211 Tuscarawas St. W., 1 story, 50 x 205 ft., brick garage, to Bambeck & Nau, 817 Clarendon Ave. N. W., $150,000.

O., Cleveland—COMMERCIAL, OFFICE and APARTMENT—Euclid-Ford Co., c/o M. W. Bruml, pres., Guardian Bldg., 5 story and basement, 89 x 143 ft., brick and concrete, Euclid Ave. and Mayfield Rd., to B. Zuckerman, 11605 Kinsman Rd. Archts. est. $400,000.

O., Toledo—STORAGE—Citizens Ice Co., J. Murphy, pres., 1609 Adams Ave., 1 story, 22 x 54 ft., brick and steel plant, to Le Duke Constr. Co., 14920 Clifton Blvd., Lakewood. Archts. est. $150,000.

Ill., Chicago — BANK and OFFICE — Allied State Securities Corp., 10 North Clark St., general contract 6 story and basement, 75 x 125 ft., rein.-con., brick and terra cotta, wood pile foundation, Ogden Ave. and Wood St., to McLennan Constr. Co., 307 North Michigan Ave. Archts. total est. $350,000. Noted April 30.

Ill., Chicago — CLUB HOUSE — Lake Shore Athletic Club, 400 North Michigan Ave., general contract 18 story and basement, 158 x 408 ft., rein.-con., brick and steel, wood pile foundation, Lake Shore Dr. and Chestnut St., to Hegeman-Harris Co., Inc., 431 North Michigan Ave., $3,650,000. Archts. est. $4,500,000.

Wis., Kenosha — BUSINESS — Bain Wagon Co., Main St., 3 story, 77 x 100 ft., brick and tile, plain foundation, Main St., to Madsen & Peterson, 646 Builders Exch., Minneapolis, Minn. Archts. est. $150,000.

Wis., Milwaukee — BANK — Herbst & Kuenzli, archts., 114 Grand Ave., 2 story and basement, brick, plain foundation, Vliet St., to E. Steigerwald & Sons, 51st and State Sts. Archts. est. $150,000. Noted Aug. 20.

Wis., Racine—APARTMENT—W. Leutner, 927 Grand Ave., 3 story and basement, rein.-con. and brick, plain foundation, Howland Ave., to A. C. Kappel, 526 Wisconsin St. Archts. est. $150,000.

Ia., Des Moines — TEMPLE — Shrine Temple Assn., 720 6th Ave., general contract 3 story and basement, rein.-con., brick, steel and stone, 9th and Pleasant Sts., to J. and W. A. Elliott Co., 906 Lumber Exch., Minneapolis, Minn., $678,445. Noted Aug. 13.

Ia., Sioux City — EXCHANGE — Sioux City Telephone Co., Commerce Bldg., J. A. Rae, vice pres. and genl. mgr., general contract 3 story and basement, rein.-con. and brick, 9th and Douglas Sts., to J. H. Keefe, 518 United Bank Bldg., about $175,000. Noted Aug. 20.

Kan., Wichita — BANK and OFFICE — H. M. Vitzthum, archt., 307 North Michigan Ave. Chicago, Ill., general contract Union Natl. Bank, 14 story and basement, 75 x 120 ft., rein.-con., terra cotta and stone, here, to G. H. Siedhoff, Broadview Hotel, for Edith Rockefeller McCormick, c/o Krenn & Dato, 936 North Michigan Ave., Chicago. Archts. est. $2,000,000.

Mo., St. Joseph — CITY HALL — Dept. Pub. Wks., general contract 3 story, 120 x 120 ft., rein.-con., steel and Bedford stone, concrete foundation, 10th and Frederick Sts., to Lehr Constr. Co., 1712 Fred Ave., $417,186; heating and plumbing, to M. J. Donegan, 110 South 4th St., $25,971. Noted Sept. 3.

Okla., McAlester—HOTEL—B. A. Enloe, 5 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Main St., to W. R. Turner, Holdenville, $171,600. Archts. est. $175,000. Noted Aug. 27.

Calif., Los Angeles—APARTMENT—J. W. Fox, 4 story, 58½ x 125 ft., brick, Normandie and 8th Sts., to Edwards, Wildey & Dixon Co., Wildey & Dixon Bldg., $150,000.

Calif., San Diego—BANK and OFFICE—J. D. Spreckels, general contract 3 story and basement, 100 x 200 ft., rein.-con., to Edwards, Wildey & Dixon, Wildey & Dixon Bldg., Los Angeles, $934,000. Noted Dec. 4, 1924.

Buildings—Educational, Religious

PROPOSED WORK

N. H., Rochester — HIGH SCHOOL — School Com. postponed construction 3 story and basement, 68 x 70 ft. and 52 x 90 ft., brick and stone, plain foundation. $165,000. J. E. Richardson, 56 Grove St., Dover, archt. Noted June 18.

Mass., Everett (Boston P. O.)—SCHOOL and CONVENT—St. Joseph French Roman Catholic Church, H. J. Gilion, Buckman St., pastor, having plans prepared by W. F. Fountaine, 285 Main St., Woonsocket, R. I., 2 story, brick, Bucknam St. $150,000.

Mass., Fall River—HIGH SCHOOL—City, Bd. Educ. having plans prepared by L. F. Destremps, 11 Pleasant St., 40 room Junior High School, brick and steel, Norwood St. $750,000.

Mass., Fall River — SCHOOL — City, Mayors' Office having sketches made by J. I. Higgins, 44 Borden Blk., 2 story and basement, brick, Bay St. $150,000.

Mass., Roslindale (Boston P. O.) — SCHOOL — Schoolhouse Dept., City Hall, Boston, having preliminary plans prepared by J. M. Gray Co., 175 High St., Boston, Washington Irving School, 2 story, brick, here. $500,000.

Mass., Westfield—HIGH SCHOOL—City, R. Loomis, chn. school com., having plans prepared by M. B. Harding, 97 Elm St., 3 story and basement, 110 x 300 ft., rein.-con. brick and steel, Franklin St. $400,000.

R. I., Central Falls—CHURCH—Notre Dame Parish having sketches made by E. Cormier, Peel and St. Catherine Sts., Montreal, Que., 1 story, brick and stone church. $150,000 or more.

R. I., Providence — CHURCH — Sacred Church of Christ having revised plans prepared by C. H. Lockwood, 171 Westminster St., 1 story and basement, 70 x 100 ft., brick and steel, Elmwood Ave. and Whitmarch St. $150,000-$175,000. Noted Sept. 3.

R. I., Providence — COLLEGE — Providence College, Eaton St., having plans prepared by J. W. Donohue, 476 Main St., Springfield, Mass., brick and steel college. $400,000. Noted June 18.

Conn., Hartford—GYMNASIUM—City, South School Dist. Com. having plans prepared by Whiton & McMahon, 805 Main St., 2 story and basement gymnasium, incl. 64 x 85 ft. basketball room, 25 x 60 ft. swimming pool, offices, etc., brick and steel, John St., $150,000.

Conn., Hartford — SCHOOL — City, Barnard Dist., E. W. Cotter, 11 Windsor Ave., plans brick and steel, North Main St., to be built in 3 units. $500,000 bonds to be issued for same. Engineer and architect not selected.

N. Y., Albany — HIGH SCHOOL — Bd. Contr. & Supply, City Hall, rejected bids Sept. 8, Junior High School, Delaware Ave. Will readvertise. Noted Sept. 24.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, 4 story, brick, steel and stone, plain foundation, Fordham Rd. $2,668,000.

N. J., Blackwood—HIGH SCHOOL—Bd. Educ., J. Price, Glendora, having plans prepared by T. Stephen, Temple Bldg., Camden, and takes bids about Oct. 10 Junior High School, 2 story and basement, 106 x 130 ft., rein.-con. and brick, plain foundation. $150,000.

Pa., Johnstown — SCHOOLS — Election Nov. 3, $1,250,000 bonds, completing Garfield Junior High School and construct 3 ward school buildings, for Bd. Educ.

N. C., Greensboro — CHURCH — Forest Ave. Baptist Church, E. E. White, pastor, plans new church, Forest Ave., $250,000.

N. C., High Point — HIGH SCHOOL — Plans new high school and improving other schools. $750,000 bonds sold.

Miss., Raymond—HIGH SCHOOL—Hinds Co. plans election $150,000 bonds, equipment and addition to Agricultural High School.

O., Bexley (Columbus P. O.)—SCHOOL—Bd. Educ., J. Henney, clk., 2462 Brentwood Ave., Columbus, having sketches made by Miller & Reeves, 16 South 3rd St., Columbus, 3 story and basement, brick, Cassingham and Elm Sts., here. $300,000.

O., Cincinnati — SCHOOL — Bd. Educ., Denton Bldg., having plans prepared by S. Hannaford & Son, 1024 Dixie Terminal Bldg., 3 story and basement, 60 x 206 ft., rein.-con. and brick, plain foundation, Rockdale Ave. $350,000.

O., Georgesville (mail Galloway) — SCHOOL — Bd. Educ. Pleasant Twp., C. O. Smith, clk., Harrisburg, having sketches made by Richards, McCarty & Bulford, 584 East Broad St., Columbus, 2 story, brick high school. $157,940.

O., Harrisburg — SCHOOL — Bd. Educ. Pleasant Twp., C. O. Smith, clk., having sketches made by Richards, McCarthy & Bulford, 584 East Broad St., Columbus, 2 story, brick school. $157,940.

O., Vermilion—HIGH SCHOOL—Bd. Educ., C. A. Trinter, clk., having plans prepared by Walker & Norwick, 1301 American St., Dayton, 2 story and basement, rein.-con. and brick, $200,000.

O., Cincinnati — CHURCH — St. Monica Church, 2436 Reading Rd., having plans prepared by Crowe & Schulte, 2436 Reading Rd., 1 story and basement, 87 x 162 ft., rein.-con., brick and stone, plain foundation, Fairview Ave. $350,000.

Ill., Freeport — CATHEDRAL—Freeport Consistory S. P. R. S. plans Scottish Rite Cathedral, 2 or 3 story and basement, 120 x 229 ft., on site present building. $500,000. Engineer and architect not selected.

Wis., Delafield—MEMORIAL CHAPEL—St. John's Military Academy having plans prepared by T. S. Van Alyea, 424 Jefferson St., 2 story, 60 x 140 ft., rein.-con. and stone memorial chapel. $150,000.

Wis., Racine — HIGH SCHOOLS — Bd. Educ., A. H. Schafer, secy., soon takes bids for plans and specifications, 2 rein.-con., brick and tile high schools, plain foundations. $900,000. Engineer and architect not selected. Noted Aug. 6.

Ia., Des Moines — CHURCH — Grace Methodist Episcopal Congregation, c/o L. M. Grigsby, 936 18th St., rejected bids 3 story and part basement, 60 x 124 ft., and 82 x 88 ft., rein.-con., brick, steel and stone, Cottage Grove and 37th Sts. $250,-000. Noted Sept. 10.

Minn., Minneapolis — BOTANY and PHYSICS—State Bd. Educ., Capitol Bldg., St. Paul, had plans prepared by J. H. Forsythe, constr. archt. State Bd. Regents, and C. H. Johnston, 715 Capital Bank Bldg., 3 story botany building $225,000, and 4 story physics building, $450,000, both rein.-con., brick and stone, at University, here.

Kan., Emporia—MUSIC HALL—State Teachers College takes bids about Nov. 15, 2 story and basement, rein.-con., brick and stone music hall. $150,000. C. D. Cuthbert, State House, Topeka, archt.

Mo., Columbia — HIGH SCHOOL — Bd. Educ. plans high school. $400,000.

Mo., Kirksville—COLLEGE—Northeastern Missouri State Teachers College, J. Kirk, chn., having plans prepared by R. H. Sanneman, 519 Lee Bldg., Kansas City, and I. Dunbar, associated archt., 1026 East Harrison Ave., 3 story and basement, 122 x 148 ft., rein.-con., brick and steel administration building. $400,000.

Tex., Sudan — HIGH SCHOOL — Sudan Independent School Dist. having plans prepared by Ribble & Ribble, engrs. and archts., Lubbock, 2 story and part basement, rein.-con., brick and stone, plain foundation. $150,000.

Tex., Wichita Falls — CHURCH — First Methodist Church, W. J. Johnson, pastor, having sketches made 3 story and part basement, rein.-con., brick and stone, plain foundation. $500,000. Engineer and architect not selected.

Okla., Plaquemine—CHURCH—St. Johns Catholic Church, F. Bosh, pastor, takes bids after Oct. 7, 2 story and basement, rein.-con., brick and stone church, plain foundation. $300,000. E. Weil, Whitney Bldg., New Orleans, archts. and engrs.

Calif., Covina — SCHOOL — California Preparatory School for Boys, had plans prepared by R. Meier, Title Insurance Bldg., Los Angeles, group of 1 and 2 story, rein.-con., and timber school buildings with swimming pool, here. To exceed $160,000. Noted May 28.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. plans J. C. Fremont High School, 2 story, 70 x 230 ft. science building, 1 story, 60 x 160 ft. manuel arts building, 2 story, 100 x 200 ft. gymnasium building. $310,000.

Calif., Oakland—HIGH SCHOOL—Bd. Educ. had plans prepared by W. J. Miller,

Buildings—Educational, Religious (Cont.)

417 Market St., San Francisco, addition to Alexander Hamilton Junior High School. $165,000. Noted Apr. 9.

Ont., Windsor — SCHOOL — Bd. Educ., having plans prepared by Nicholls, Sheppard & Masson, Dowler Bldg., 2 story and basement, rein.-con. and brick, plain foundation, Tecumseh Rd. and Hall Ave. $300,000.

BIDS DESIRED

Mass., Arlington (Boston P. O.) — CHURCH — Church of Our Savior, W. M. Bixby, pastor, 38 Marathon St., taking bids 1 and 2 story and basement, rein.-con., brick and stucco church. $150,000. C. C. Coveney, 184 Boylston St., Boston, archt. Noted April 16.

Mass., Boston — CHURCH — Boston Missionary Church Extension Society of Methodist Episcopal Church, 81 Boylston St., taking bids First Italian Methodist Episcopal Church, 1 story and basement, brick and stone, Hanover and Salutation Sts. $150,000. Woodbury & Stuart, 581 Boylston St., archt. Noted June 18.

Mass., Boston — SCHOOL — St. Williams Roman Catholic Church, D. J. Murphy, pastor Dorchester Ave. and Belfort St., taking bids 2 story and basement, 100 x 175 ft., brick and stone, Savin Hill Ave., Tuttle and Sydney Sts. $150,000. T. E. Sheehan, 120 Boylston St., archt.

Mass., Marlon — DORMITORY — Tabor Academy, taking bids 2 story and basement, 60 x 400 ft., brick and stucco dormitory. $150,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, archts.

Mass., Montague—SCHOOL—Town, J. J. Quin, chn. Building Com., taking bids 2 story and basement, brick and stone, Crocker Ave. $150,000. J. F. Cullen, 333 Washington St., Boston, archt. Noted Aug. 6.

Mass., New Bedford—HIGH SCHOOL—City, School Com., J. Catterall, chn., taking bids South Junior High School, 2 story and basement, brick and steel, $700,000. W. Tallman, 271 Union St., archt. Noted Aug. 20.

Mass., Taunton—SCHOOL—Oct. 9, by Pub. Property Com., J. P. Coyle, chn., 2 story and basement, rein.-con., brick and stone. $500,000. McLaughlin & Burr, 88 Tremont St., Boston, archts. Noted Aug. 7.

R. I., Bristol — SCHOOL — Oct. 6, by Town, School Com., 2 story and basement, limestone, brick and steel, plain foundation, Washington St. $250,000. Clarke & Howe, 1208 Turks Head Bldg., Providence, archt. Noted Jan. 8.

N. J., Camden — SCHOOLS — Oct. 2, by School Bd. Pensauken Twp., two 2 story and basement, 50 x 212 ft., and 39 x 93 ft. rein.-con. and brick, plain foundations one at Wistaria Ave., east of Lexington Ave., and other at 5 th St. and South Forrest Ave. I. T. Catherine, Franklin Trust Bldg., Phila., Pa., archt. Noted Sept. 10.

N. J., Long Branch—SCHOOL—Oct. 19, by Bd. Educ., 2 story, 71 x 251 ft., and 117 x 153 ft., brick and steel, plain foundation, Westwood Ave. Guilbert & Betelle, 20 Branford Pl., Newark, and E. A. Arend, 105 West 40th St., New York City, archts.

Pa., Lansdowne — APARTMENT — See "Contracts Awarded."

Pa., Laurelton—DORMITORY—Oct. 9, by Laurelton State Village for Feeble Minded, State Capitol, Harrisburg, Dormitories 5 and 6, each 2½ story and basement 84 x 100 ft., and 2½ story and basement, 40 x 50 ft. supt. cottage, rein.-con., brick, stone and steel, here. $175,000. G. S. Idell, 1510 Chestnut St., Phila., archt. Noted July 9.

Pa., Midland—HIGH SCHOOL—Oct. 12, by Bd. Educ. and W. G. Eckles Co., archts., New Castle, 1 and 2 story and basement high school. $300,000. Former bids rejected. Noted Sept. 10.

Pa., Phila.—DORMITORIES—Oct. 6, by Stewardson & Page, archts., 315 South 15th St., Dormitories 33 and 34, each 4 story and basement, 45 x 129 ft., rein.-con., brick and steel, plain foundation, 34th and Spruce Sts., for Trustees of University of Pennsylvania, 34th and Spruce Sts. $400,000.

Pa., Phila.—PUBLIC SCHOOL—Oct. 6, by Bd. Educ., 19th and Chestnut Sts., 4 story and basement, 73 x 189 ft., rein.-con. and brick, plain foundation, 23rd and Jefferson Sts. $350,000. L. T. Catharine, 19th and Chestnuut Sts., archts.

Pa., York — SENIOR HIGH SCHOOL — Oct. 15, by School Dist., D. N. Crider, secy., Central School Bldg., rein.-con., brick and steel, plain foundation, Beaver St. and College Ave. J. B. Hamme, City Bank Bldg., archt. Noted June 11.

Del., Newark—DORMITORY—Oct. 6, by Delaware School, Auxiliary Assn., Dupont Bldg., Wilmington, 3½ story, 35 x 116 ft., brick, plain foundation, here, for Delaware University. $150,000. Day & Klauder, Franklin Bank Bldg., Phila., Pa., archts. Noted July 2.

O., Mansfield—HIGH SCHOOL—Oct. 10, by Bd. Educ., completing 3 story and basement, brick high school. $150,000. Althouse & Jones, Mansfield, archts.

Mich., Detroit—SCHOOLS—Oct. 9, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, 155 x 175 ft., rein.-con., plain foundation, Grover Ave., McGrath, Dohmen & Page, 2231 Park Ave., archts.; also for 2 story, 75 x 102 ft., rein.-con. open air school, Davison Ave., Donaldson & Meir, 1319 Penobscot Bldg., archts.

Ill., Waukegan—GYMNASIUM—Oct. 6, by Township Highschool Bd., gymnasium building, 48 ft. high, 136 x 183 ft., rein.-con., brick and stone. $275,000. Shattuck & Layer, 19 South La Salle St., Chicago, engrs.

Wis., Cudahy—HIGH SCHOOL—Oct. 10, by Bd. Educ., W. Rasche, pres., (1st unit), 2 story and basement, 62 x 180 ft., and 60 x 60 ft., brick and tile, plain foundation. $180,000. Rosman & Wierdsma, 490 Bway., Milwaukee, archts. Noted Sept. 24.

Wis., Marinette—SCHOOL—Oct. 15, by St. Joseph's Congregation, c/o E. Vaissiere, pastor, 1230 Elizabeth Ave., 2 story and basement, brick and tile, plain foundation. $150,000. W. E. Reynolds, 113 South Roosevelt St., Green Bay, archts.

Ia., Marshalltown—HIGH SCHOOL—Oct. 16 (extended date), by Bd. Educ., D. R. Jackson, secy., 3 story and basement, 196 x 236 ft., rein.-con., brick and stone, plain foundation, 10th and West Boone Sts. $325,000. H. E. Reimer, Marshalltown, and Dougher, Rich & Woodburn, 320 VNB., Des Moines, associated archts. Noted Sept. 3.

Minn., Duluth—HIGH SCHOOL—Dec. 1, by C. A. Bronson, clk. Bd. Educ., 220 North 1st Ave. E., East End Junior High School, 3 story and basement, 175 x 180 ft., rein.-con., brick and steel, Woodard Ave. $500,000. C. W. Kelly, 507 Lonsdale Bldg., archt and engr.

Kan., Hays—LIBRARY—Oct. 6, by C. D. Cuthbert, archt., 735 Kansas St., Topeka, 3 story and basement, 95 x 145 ft., rein.-con., and stone, here, for State Teachers College. $150,000. Noted Aug. 20.

Mo., St. Louis—CHURCH, SCHOOL, CONVENT, etc.—Oct. 5, by H. P. Hess, archt., 1237 North Taylor Ave., 2 and 3 story and basement, rein.-con., brick and stone, Louisiana Ave., for St. Cecelias Parish, B. J. Benton, pastor.

Tex., Childress — SCHOOL — City, Pub. School Bd., taking bids 2 story, part basement, 58 x 200 ft. school, with 70 x 97 ft. wing. $150,000. G. A. Carlander, 15 Massie Bldg., Amarillo, engr. and archt.

Tex., San Antonio—HIGH SCHOOL—City taking bids 1 and 2 story and part basement, rein.-con. brick and stone, plain foundation, Yorkshire and Berkshire Aves. $250,000. Phelps & DeWees, Gunter Bldg., archts. A. B. and R. M. Ayers, Bedell Bldg., associated archts. Noted Aug. 27.

Okla., El Reno—HIGH SCHOOL—Oct. 5, by N. B. Waldo, clk. Bd. Educ., 4 story and basement, 124 x 146 ft., rein.-con. and brick addition, plain foundation, Rock Island St. $165,000. Layton, Hicks & Forsythe, Braniff Bldg., Oklahoma City, archts. Noted July 30.

BIDS RECEIVED

Mass., Haverhill—SCHOOL—City, City Councils Office, altering and constructing 3 story and basement, brick and stone addition, Grove St., from Z. A. Houle, Lowell, $168,750. Noted Sept. 17.

Calif., San Francisco — SCHOOL — Bd. Pub. Wks., Lafayette School in Park Presidio Dist., general contract from J. L. McLaughlin, 251 Kearny St., San Francisco, $318,250. Noted Oct. 16, 1924.

CONTRACTS AWARDED

Mass., New Bedford—HIGH SCHOOL—City, Pub. Building Comn., City Hall, North Junior High School, 2 story and basement, 65 x 258 ft., and 65 x 95 ft. brick and steel, to M. Chainay, 2079 Achushnet Ave., $392,-900; heating and ventilating, to J. N. Conway, 5 Atlantic St., $63,347. Noted Sept. 24.

Mass., Woburn—SCHOOL—City, T. H. Duffy, mayor, 2 story and basement, 65 x 85 ft., brick and stone, Central St. and Montvale Ave., to Casey & Darcy, 1179 Tremont St., Roxbury. Archts. est. $150,000. Noted June 11.

Conn., Winsted—SCHOOL—Town, S. Clifton, chn. School Com., 2 story and basement, 60 x 125 ft., brick and steel, North Main St., to F. W. Fuller, West Goshen, (Torrington P. O.). Archts. est. $150,000. Noted Sept. 17.

N. Y., Springfield—SCHOOL—Bd. Educ., Newark, brick, steel and stone addition, plain foundation, Westfield Ave., here, to W. C. Phelps & Co., 21 Fulton St., Newark. Archts. est. $150,000.

Pa., Haverford—HIGH SCHOOL—Bd. Educ., J. W. Huff, supt., 2 story and basement, 71 x 200 ft., rein.-con., Cooperstown Rd., to Bowden Constr. Co., 1935 Chestnut St., Phila. Archts. est. $225,000. Noted Sept. 10.

Va., Petersburg—HIGH SCHOOL—City, constructing Anna P. Balling Junior High School, to Harwood Constr. Co., Newport News, $242,947.

Mich., Marquette—HIGH SCHOOL—Bd. Educ., H. A. St. John, secy., 3 story and basement, 200 x 260 ft., rein.-con. and brick, plain foundation, to Hegner Constr. Co., 1213 North Appleton St., Appleton, Wis., $351,940. Noted Sept. 10.

Wis., Madison — DORMITORIES — University of Wisconsin, M. E. McCaffrey, secy., 3 story and basement, brick, stone and concrete, plain foundation, to W. W. Oeflein, Inc., 86 Michigan St., Milwaukee, $553,161. Noted Sept. 3.

Wis., Oshkosh—VOCATIONAL SCHOOL—Bd. Industrial Educ. and School Bd., H. Schriber, pres., 1 and 2 story and basement, brick and concrete school and recreation building, plain foundation, to C. R. Meyer & Sons Co., 50 State St., $256,720. Noted Sept. 3.

Wis., Wausau — HIGH SCHOOL — Bd. Educ., S. B. Tobey, supt. schools, (1st unit) Central High School, 3 story and basement, brick and concrete, plain foundation, to H. Evers, 656 Builders Exch., Minneapolis, Minn., $199,586. Noted Aug. 27.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., general contract Shenandoah School, 3 story, rein.-con., brick and stone, to Humes-Deal Constr. Co., Syndicate Trust Bldg., $203,871; heating and ventilating, to Sodeman Heating & Plumbing Co., 23rd and Morgan Sts., $30,983. Noted July 23.

Wis., Montreal — SCHOOL — Bd. Educ., c/o E. H. Reid, clk., 2 story and basement, brick and tile, to Tomlinson & Egan, Ashland, $81,653. Noted Sept. 3.

Federal Government Work

BIDS DESIRED

N. Y., Brooklyn—Tile Deck—Oct. 14, by Bureau Yards & Docks, Navy Dept., Wash., D. C., promenade tile roof deck, at Naval Hospital, here; adv. E. N.-R. Oct. 1.

N. Y., New York—Fire Protection System—Oct. 13, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., fire protection system, at U. S. Veterans Hospital 81, Bronx, here.

Pa., Phila.—Dredging—Oct. 15, by U. S. Engineer Office, 1505 Race St., 663,000 cu. yd. dredging in Delaware River, at Phila. Harbor.

Md., Baltimore—Roads—Oct. 9, by Treas. Dept. at office J. S. Wetmore, acting supervising archt., Wash., D. C., extending and remodeling roads at U. S. Marine Hospital, here.

D. C., Wash.—Turbines—Oct. 27, at U. S. Engineer Office, Navy Dept. Bldg., installing and testing 3 hydraulic turbines for water supply for Dist. of Columbia; adv. E. N.-R. Oct. 1.

S. C., Columbia—Additions—Oct. 12, by Treas. Dept. at office J. A. Wetmore, acting supervising archt., Wash., D. C., new mezzanine floor, etc., for U. S. Post Office (old), here.

Fla., Jacksonville — Derrick Boat — Oct. 23, by U. S. Engineer Office, steel derrick boat for dredge "Barnard;" adv. E. N.-R. Oct. 1.

Ky., Louisville—Metal Work—Oct. 20, by U. S. Engineer Office, Custom House, 1,-678,000 lb. metal work for Dams 49 and 50, Ohio River, here.

Ky., Louisville—Gates—Oct. 26, by U. S. Engineer Office, P. O. Box 72, gates for Locks 46 and 49, Ohio River; adv. E. N.-R. Oct. 1.

Tex., Galveston—Repairing Dredge—Oct. 28, by U. S. Engineer Office general repair of U. S. Seagoing Hopper Dredge "Galveston;" adv. E. N.-R. Oct. 1.

BIDS RECEIVED

N. Y., New York—Dredging—U. S. Engineer Office, 2nd Dist., dredging and rock removal in New York and New Jersey Channels, from Seely Eng. Co., Inc., 30

Federal Government Work (Continued)

Church St., New York City, at $15.30 per cu.yd., total $264,920. Noted Sept. 3.

D. C., Wash.—Filtration Plant—U. S. Engineers Office, Navy Dept. filtration for Dist. of Columbia Water Supply Project, (1) superstructures of plant, garage, etc. (2) type A dwelling with heating, (3) type B dwelling with heating and lighting, from C. H. Tompkins, 1612 Park Rd., (1) $724,000 (2) $53,600 (3) $203,000. Noted Aug. 27.

Minn., St. Paul—Painting, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., repairs to plaster, painting, etc., at post office, here, from Pearson-Regnell Co., 5816 Bway., Chicago, Ill., $26,266. Noted Sept. 3.

Mo., Kansas City—Dike—U. S. Engineer Office, Sept. 15, 2,100 ft. river dikes at Howard's Bend, Missouri River, from Kansas City Bridge Co., 510 Orear-Leslie Bldg., $74,760. Noted Sept. 10.

Mo., St. Louis—Barges—U. S. Engineer Office, 428 Customhouse, Sept. 21, 6 steel barges, from Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $95,220.

Tex., Comanche — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick, tile and stone post office, here, from Deans & Groggin, Thibodaux, La., $38,615, concrete 1st floor $1,350. Noted Aug. 27.

Idaho—Roads—C. H. Purcell, dist. engr. Bureau Pub. Roads, Dept. Agriculture, Davenport Hotel, Spokane, Wash., clearing and grading 5.72 mi. Falls Sect. Lowell-Selway Natl. Forest Development Rd., Selway Natl. Forest, Idaho Co., here, $57,009 from Payne & Doust, Spokane, Wash., 1.5 mi. Howe Mountain Sect. Clarks Fort-Idaho Natl. Forest Rd., in Pend O'Reille Natl. Forest, Bonner Co., from S. Orino, 3008 Sharp St., Spokane, Wash., $42,450.

CONTRACTS AWARDED

N. Y., Brooklyn — Post Office — Treas. Dept., office Supervising Archt., Wash., D. C., remodeling post office and courthouse, here, to W. L. Morrison Constr. Co., 613 15th St. N. W., Wash., D. C., $41,450.

N. Y., New York—Dredging—U. S. Engineer Office, 2nd Dist., Army Bldg., dredging and rock removal in New York and New Jersey channels, to Great Lakes Dredge Co., 17 Battery Pl., $402,851. Noted Sept. 17.

Ala., Florence—Paving—U. S. Engineer Office, Wash., D. C., vitr. brick paving at Wilson Dam, here, to Merrill Eng. Co., Jackson, Miss. $17,631. Noted Aug. 20.

Ky., Dawsonsprings—Roads—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., resurfacing roads at Veterans Hospital 79, to N. E. Stone Co., Madisonville, $25,000.

Tex., Galveston—Barge—U. S. Engineer Office, furnishing and delivering 2,000 bbl. steel oil barge, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa. $14,680. Noted Aug. 13.

Unclassified

PROPOSED WORK

Pumping Station, etc.—Somerville (Boston P. O.) **Mass.**—Ford Motor Co., Highland Park, Detroit, Mich., plans pumping station over Mystic River and dredging channel, here. Private plans.

Swimming Pool—Hartford, Conn.—See "Buildings—Educational, Religious."

Artists Resort, etc.—North Carolina—Mt. Mitchell Assn. of Arts & Sciences, N. G. Carroll, (one of incorporators), 112½ Fayetteville St., Raleigh, plans resort on 1,000 acres land between Mt. Mitchell and Little Switzerland, incl. hotel on Pompey's Knob, also golf links, driveways, etc. C. L. Guy, 78 Irving Pl., New York City, chn.

Resort Development — Asheville, N. C. — W. M. Lloyd, Tampa, Fla., purchased Mountain Meadows Estate, 3,000 acres, and plans resort development incl. hotels, parks, driveways, etc., here. $1,000,000-$2,000,000.

Power Line—Chattanooga, Tenn.—Tennessee Electric Power Co., 540 Market St., plans to expend during 1926 $400,000 for lines, extensions and improvements.

Steam Turbines—Nashville, Tenn.—Tennessee Electric Power Co., 540 Market St., Chattanooga, plans to expend during 1926 $500,000 for steam turbines, here.

Retaining Walls, Docks, etc. — Chicago, Ill.—See "Streets and Roads."

Ill., Chicago — HOTEL—Eastgate Building Corp., Room 410, 10 South La Salle St., masonry and concrete work, etc. 15 story, 50 x 100 ft., rein.-con. and steel, 162-164 East Ontario St., to H. Janisch & Co., 444 Belmont Ave.; and carpentry work, Olson Bros., 835 North Lockwood Ave. Archts. total est. $375,000. Noted July 16.

Transmission Lines, etc. — Archer City, Tex.—Wichita Falls Electric Co., Wichita Falls, plans to purchase electric plant, here, and extend lines to nearby towns, etc. $75,000 or more. Private plans.

Swimming Pool—Cisco, Tex.—Lake Cisco Amusement Co. plans rein.-con. swimming pool. $25,000. Private plans.

Transmission Line—Apache, Okla.—See "Waterworks."

Swimming Pool—Hermosa Beach, Calif.—See "Buildings—Commercial."

BIDS DESIRED

Steel Ferry Boats—Boston, Mass.—Oct. 27, by Dept. Pub. Wks., 2 steel ferry boats. $300,000 bonds. $150,000 each if let separately. J. A. Rourke, comr.

Subway—Flushing, N. Y.—Oct. 9, by Bd. Transportation, 49 Lafayette St., New York City, tracks for portion of Flushing Extension of Queensboro Subway Rapid Transit R.R. near intersection of Main St. and Roosevelt Ave., here. J. H. Delaney, chn.

Subway — New York, N. Y. — Oct. 6, by Bd. Transportation, 49 Lafayette St., constructing Sect. 4 Route 102, along 8th Ave. from West 38th to West 47th Sts. J. A. Delaney, chn.

Pier Shed Equipment—New York, N. Y.—Oct. 5, by Commissioner Docks, Pier A, North River, shed equipment for Pier 2, North River, incl. sprinkler system, steam heating, plumbing and water supply, Contr. 1854.

Furnace and Crane—Clarksburg, W. Va.—See "Contracts Awarded."

Causeway—South Carolina—Oct. 20, at Office State Highway Comn., Columbia, 1.753 mi. Hog Island Causeway, on State Route 40, State Project S-586, Charleston Co. State Highway Engineer, Columbia, engr.

Heating, Ventilating, etc. — Birmingham, Ala. — Oct. 19, by Secretary Library Bd., heating, ventilating, plumbing, etc., in library building, 7th Ave. N. near 21st St. $550,000. Miller & Martin, Title Guarantee Bldg., archts. E. Gugler, 101 Park Ave., New York City, consult. engr.

Fire Alarm System—Fairview, O.—Oct. 5, by Village, 20 box fire alarm system. R. P. Jordan, clk.

Park Buildings, etc.—Chicago, Ill.—Oct. 13, by South Park Comrs., 57th St. and Cottage Grove Ave., group of park buildings, incl. boiler house, swimming pool, Service Yard Wall, at James R. Mann Park, 132nd St. and Carondolet Ave. E. J. Whitty, secy.

Subway—Niles Center, Ill.—Oct. 8, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., Chicago, substructure for McCormick Road Subway under Mayfair Cut-Off of Chicago & Northwestern R.R. near Oakton Ave., here. M. Eller, chn. Noted July 9.

Wharves — Quebec — Oct. 8, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, Ont., reconstructing portion of superstructure wharf at Maria, Bonaventure Co., $9,000; also extension to landing wharf, at Chandler, Gaspe Co., $25,000, here.

Rubble Wall—Port Burwell, Ont.—Oct. 7, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, constructing rubble wall between outer end of West Pier, and inner end of West Breakwater, Elgin Co., here. $30,000.

Protection Works—Delta, Man.—Oct. 13, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, Ont., constructing protection works across mouth Portage Creek, Southern end Lake Manitoba, Portage la Prairie Co., here. $33,000.

Steel Supports, etc. — Wellington, New Zealand—Dec. 8, by Secy. Pub. Wks. Supplies & Tenders Com., Government Bldg., transmission steel supports, 120 poles, 22 light and 28 heavy angle towers.

BIDS RECEIVED

Retaining Wall — New York, N. Y. — H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., Sept. 22, retaining wall on westerly side Harlem River, from A. Angellori, 3646 Holland Ave., $38,704. Noted Sept. 17.

Sea Wall—Lockport, Ill.—Sanitary Dist. of Chicago, 910 South Michigan Ave., Sept. 17 main channel wall, near here, Contr. 2, incl. 29,000 cu.yd. rein.-con., 9,500 cu.yd. excav., 500,000 lb. reinforcing, etc., from Green & Sons Co., 6 North Michigan Ave., Chicago, $1,027,000. Noted Sept. 10.

Lighting System—Glendale, Calif.—Ornamental lighting system on Colorado St. between San Fernando Rd. and east city limits, from Robertson Electric Co., 303 North Main St., Santa Ana, $57,800. Engrs. est. $58,900.

CONTRACTS AWARDED

Platforms, Piers, etc. — Boston, Mass. — Dept. Pub. Wks., platforms, piers and fender guards at Warren St. Bridges, to Rendle Corp., 271 Marginal St., Chelsea, $14,597. Noted July 23.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Sect. 1 of Route 105 along and under Fort Washington Ave., to A. McMullen & Co., Corona, $3,198,100. Noted Sept. 24.

Ventilation, Fans, etc.—New York, N. Y.—New York & New Jersey Interstate Bridge & Tunnel Comn., Room 3004 Woolworth Bldg., ventilating and transformer fans, motor, etc., in Holland Tunnel, Contr. 12, to B. F. Sturtevant Co., Reedville, Mass., $571,031. Noted Sept. 17.

Borings — Phila., Pa — Director of Pub. Wks., City Hall, 22 borings at City Hall, Juniper and Filbert Sts., to J. B. Rulon, 1355 Calwyn St., at $2.68 each. Noted Sept. 17.

Grain Elevator—Phila., Pa.—Phila. Grain Elevator Co., A. T. Dice, pres., c/o Phila. & Reading Ry. Co., Reading Terminal, 196 x 267 ft. grain elevator, 233 ft. high, $2,500,000 capacity, 69 x 188 ft. workhouse, 172 x 187 ft. storage unit, car unloading shed, etc., at Port Richmond Yard, to M. A. Long Co., 19 Guilford Ave., Baltimore, Md. Engrs. est. $4,000,000. Noted Sept. 4, 1924.

Grand Stand — York, Pa. — York Co. Agricultural Assn., 100 x 425 ft., rein.-con. grand stand, 7,500 seating capacity, to C. W. Strayer, 3rd and Broad Sts., Harrisburg. Noted Sept. 3.

Furnace and Crane—Clarksburg, W. Va.—Natl. Carbon Co., Inc., 30 East 42nd St., New York City, made plans furnace and overhead crane at plant, here. To exceed $150,000. Work will be done by day labor. Private plans.

Underpasses—Greensboro, N. C.—Southern Ry. System, 1300 Penn Ave., Wash., D. C., two underpasses, one at Elm-Davie St., 96 ft. 3 track wide, and other at Washington St., 50 ft. 3 track wide, to Northeastern Constr. Co., 101 Park Ave., New York City. Engrs. est. $350,000.

Heating and Plumbing — Biloxi, Miss. — See "Buildings—Commercial."

Tanks—Deerpark, La.—Sinclair Oil Co., ten 80,000 bbl. capacity tanks, to Chicago Bridge & Iron Wks., 105th and Throop Sts., Chicago, Ill.

Dock—Duluth, Minn.—Cutler-Magner Co., 1114 Fidelity Bldg., H. Laliberte, vice-pres., 140 x 150 ft. concrete dock on piles, foot of 12th Ave. E., to Barnett-Record Co., 418 Lyceum Bldg., cost plus percentage basis.

Oil Generating Unit, etc. — Bloomfield, Neb.—For one 75 to 90 hp. oil generating unit and 150 to 180 hp. generating unit and auxiliary equipment, piping, switchboard, etc., to Fairbanks, Morse & Co., 9th and Harney Sts., Omaha, $27,412; and constructing power plant building and cooling tower, to Beckenhauer Bros., Norfolk, $8,990.

Skating Rink, etc.—San Antonio, Tex.—San Antonio Ice Rink Co., c/o J. K. Tobin, et al, 1 story, 60 x 120 ft., rein.-con. and steel skating rink, and 70 ton capacity refrigeration plant, to Triumph Ice Machine Co., South St., Oakley, Cincinnati, O., $40,000. Noted Sept. 17.

Roundhouse, etc.—Dallas, Tex.—Texas & Pacific Ry. Co., c/o E. F. Mitchell, ch. engr., Texas & Pacific Bldg., 7 stall, brick round house, machine shop, car repair shed, etc., to Ware Co., El Paso, about $135,000.

Materials

BIDS DESIRED

Paving Blocks—Long Island City, N. Y.—Oct. 6, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 25,000 asphalt paving blocks to Bureau Highways as directed.

Castings—New York, N. Y.—Oct. 6, by J. Miller, pres. Manhattan Boro, Municipal Bldg., iron castings to Corporations Yards.

CONTRACTS AWARDED

Granite Paving Blocks—Boston, Mass.—Supply Dept., City Hall, 1,000,000 new granite paving blocks, to Hildreth Granite Co., 31 State St., $146 per M. This corrects report in Aug. 2 issue.

CONSTRUCTION NEWS

Engineering News-Record, Oct. 8, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Agricultural Mart, Chicago, Ill., Whiting & Co., plans building, $35,000,000.

Apartment, New York, N. Y., Syndicate headed by G. M. Heckscher, plans building, $25,000,000.

Highway, Texas, several counties plan 113 mi. gravel surfacing, $3,000,000.

Hotel, New York, N. Y., Twenty-three West 73d St. Corp. having plans prepared, $2,500,000.

Hotel, Detroit, Mich. L. Kamper & R. L. Spitzley having plans prepared, $2,500,000.

High Schools, Washington, D. C., Dist. Comrs. plan schools, $2,725,000.

Plant, Camden, N. J., Campbell Soup Co. plan new addition, $2,500,000.

High Schools, Cleveland, O., Bd. of Educ. having plans prepared, $2,200,000.

Court House, San Antonio, Tex., Bexar Co. having plans prepared, $1,500,000.

Office, New York, N. Y., Bryant Park Inc. having plans prepared, $1,500,000.

Highway, California, State Hy. Comn. plans 38 mi. road, $1,150,000.

Hospital, Los Angeles, Calif., Los Angeles Co. had plans prepared, $1,000,000.

Office, theatre, etc., Los Angeles, Calif., E. L. Doheoney and associates having preliminary plans prepared, $1,000,000.

Bids Wanted On Big Jobs

Court, St. Louis, Mo., City takes bids in November, $4,000,000.

High Schools, Chicago, Ill., Oct. 20, Bd. Educ., 2 Jr. High Schools, $2,000,000 each.

Bridge, Washington, D. C., Nov. 15, Arlington Memorial Bridge Comn., $3,000,000.

Hotel, Chicago, Ill., Hooper & Janusch, archts., takes bids Nov. 1, $2,000,000.

Hotel, New York, N. Y., A. Brisbane soon takes bids, $1,500,000.

Nurses' Home, New York, N. Y., Mt. Sinai Hospital soon takes bids, $1,500,000.

Theatre, office, etc., Seattle, Wash., Oct. 22, R. C. Reamer, archt., $1,500,000.

Bakery, Baltimore, Md., C. B. Comstock, archt., $1,000,000.

Hotel, Long Beach, Calif., F. B. Dunn taking bids, $1,000,000.

Large Contracts Let During Week

Canal, Welland, Ont., Dept. Rys. & Canals to E. O. Lahey & Co., $7,000,000.

Plant, Somerville, Mass., Ford Motor Co. to Blair Constr. Co., $4,000,000.

Hotel, Philadelphia, Pa., Philadelphia, Shelton Corp. to Barros Constr. Co., $2,500,000.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Miss., Hattiesburg—Voted $50,000 bonds, sanitary sewers in various streets.

Miss., Philadelphia — Soon takes bids waterworks and distribution system. $43,000 bonds voted. M. L. Culley, Jackson, engr.

Mich., Detroit—Bd. Water Comrs. made plans laying 6 mi. 6- to 16-in. c.i. mains in various streets. G. A. Fenkell, 176 East Jefferson Ave., genl. mgr.

Mich., Detroit—Bd. Water Comrs. making plans extending 6 mi. 24 in. c.i. mains in Division Rd. from Schoolcraft to Eight Mile Rd., and in Six Mile Rd. from Monnier to Southfield Rds. $125,000. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Ill., Lombard—Takes bids about Oct. 19, several mi. 6- to 12-in. c.i. mains in H. O. stone subdivision, etc., $33,900; also 12- to 15-in. sanitary sewers, $23,000. Eng. Serv. Co., 53 South La Salle St., Aurora, engrs.

Wis., Menasha—City, J. F. De Caro, clk., plans filtration plant to purify water supply. $100,000. Engineer not selected.

Minn., Marble—Voted $35,000 bonds, for waterworks.

Kan., Wathena—Soon takes bids waterworks. $41,000 bonds voted. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Neb., Callaway—Defeated $27,500 bonds for waterworks.

S. D., Midland—Plans waterworks system, drill well, etc. $15,000. Engineer not announced.

Mo., Bernie—Defeated $52,000 bonds, for waterworks. Noted July 30.

Mo., Mansfield — Defeated $37,000 bonds for waterworks. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs. Noted Sept. 3.

Mo., Marceline—Defeated $45,000 bonds, for filtration plant. Noted Aug. 20.

Mo., St. Louis—Making preliminary plans rein.-con., rubblestine and cut stone filtration plant of 20 units, 80 m.g. daily capacity. $1,000,000. E. E. Wall, City Hall, dir.

Mo., Savannah—Election Oct. 20, $70,000 bonds, purification system and impounding reservoir, etc. J. W. Shikles & Co., New York Life Bldg., Kansas City, engrs. Noted Sept. 3.

Mo., Senath — City returned bids unopened waterworks and distribution system. $40,000. Will readvertise. B. O. Bennett, Caruthersville, engr. Noted July 30.

Tex., Asherton — Making preliminary plans waterworks, incl. mains, etc. $40,000. Address R. W. Taylor, mayor.

Tex., Huntsville—Election soon $40,000 bonds waterworks improvements, incl. 150,000 gal. reservoir, 2 mi. 6 in. mains, etc. Address Mayor.

Tex., Tahoka—Election Oct. 17, $40,000 bonds, waterworks improvements, mains, etc. Address Mayor.

Okl., Altus—Election Oct. 20, $790,000 bonds, dam across Elm Fork Red River at Lugert, and 16 mi. pipe line to city reservoir. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs. Noted Sept. 10.

Okla., Porter — Voted $36,000 bonds, for waterworks. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted April 16.

Okla., Wewoka—Made plans impounding reservoir, earth fill dam, 18,000 ft. 12 in. c.i. pipe, 90,000 cu.yd. excav., etc. $130,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Idaho, Pocatello — Making plans new waterworks. To exceed $15,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

Ore., Prosper—Making plans and soon takes bids waterworks, sinking two wells, water pumped to 30,000 gal. reservoir. $125,000. Barr & Cunningham, Spalding Bldg., Portland, engrs.

Calif., Antioch—Making plans 60 m.g. reservoir for water system. $60,000. R. Naas, city engr.

BIDS DESIRED

New York—Oct. 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, alterations, etc. to 72 in. pipe line to brick conduit and their appurtenance necessitated by construction of Conduit Blvd. in Queens and Nassau Counties.

N. Y., Brooklyn—Oct. 13, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Crescent and Kenmore Places, Battery, Miller, 8th and 23rd Aves., Aves. Q and S, Coleman, Hendrickson, Kimball, Ryder, 81st, 91st, East 26th, 34th, 35th, 37th, and 93rd West 3rd and 10th Sts., here.

N. Y., Long Island City—Oct. 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Border Ave., 24th Dr., and Leach Pl., 1st Ward; 41st Rd., Alstyne and 41st Aves., 90th and 110th Sts., Clara and 90th Places, 2nd Ward; 27th, 29th, 36th and 82nd Aves., 152nd, 165th, 166th, 175th, 203rd and 222nd Sts., Fuller Pl., 57th Rd., West End Dr., Bayside Lane and Cross Island Blvd., 3rd Ward, here.

N. Y., Long Island City—Oct. 13, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in 65th Rd., Bway., 38th Ave. and 11th St., 1st Ward; Britton and 23rd Aves., Bielby, Juno, Nansen, Saunders, 56th, 86th, 89th and 93rd, Sts., 2nd Ward; 125th and 212th Sts., 3rd Ward, here.

N. Y., New York—Oct. 9, by N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., mains, etc. in Fieldston Rd. and Timpson Pl., Balcom, Bayshore, Brush, College, Davidson, Furman, Hering, Hollywood, Huguenot, Jerome, King, Kingsland, Ohm, Quimby, Seton, Throop, Wallace, Waring and Watson Aves., Garden, Unnamed, East 147th, and 243rd Sts.

N. Y., New York — Oct. 13, by N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., mains, etc. Dongan Pl., Bway., Bennett, 5th, 1st, Lenox, Madison and 7th Aves., Croton, West 139th, 165th and 215th Sts.

N. Y., St. George — Oct. 16, by N. J. Hayes, Comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Bay and Canal Sts., St. Pauls and Midland Aves., and in Richmond Turnpikes, here.

N. J., Glen Gardner—Oct. 26, by State Institutions & Agencies, Trenton, steel tank, 100 ft. high, and tower for water supply with new piping and pump for New Jersey Sanitorium, here, $47,000. A. B. Mills State Office Bldg., Trenton, engr.

Pa., Phila.—Oct. 13, by Bd. Pub. Wks., Bureau of Water, Oak Lane Pumping Station, 1 story and basement, 22 x 36 ft., brick and steel, Chelten Ave. and 5th St., Contr. 775; 3 motor driven centrifugal pumps and pipe for Oak Lane Booster Station, Contr. 776; also intake at Torresdale Pumping Station, 4,000 cu.yd. earth and 50 cu.yd. rock excav., 345 ft. 7 in. concrete pipe, 460 cu.yd. concrete, 40,000 lb. iron and steel fixtures, 50 tons rip rap, etc., Contr. 778.

Waterworks (Continued)

Md., Malden—Oct. 29, by I. M. Morris, mayor, and City Council, City Hall, improving waterworks and light system, etc. F. L. Wilcox, Chemical Bldg., St. Louis, engr.; adv. E. N.-R. Oct. 8.

N. C., Spindale—Oct. 27, by S. E. Elmore, mayor and Bd. City Comrs. at office H. A. Biggerstaff, city clk., water supply and sewerage system, incl. 5,500 lin.ft. 6 and 8 in. c.i. pipe, 63 manholes, 1 septic tank, and 20,000 lin.ft. 8 in. sewer pipe. G. H. Bishop, consult. engr. Carolina Eng. Co., 917 Johnston Bldg., Charlotte, engrs.

Fla., Ft. Pierce—Oct. 28, by C. E. Cahow, mayor and Bd. City Comrs., at office W. A. Smith, city mgr., water softening and purification plant. Amer. Industries Eng. Co., 140 Cedar St., New York City, and 917 Johnson Bldg., Charlotte, N. C., engrs. Bishop Eng. Co., 116 South Orange Ave., Orlando, associated engrs.; adv. E. N.-R. Oct. 8.

Fla., Tampa—Oct. 13, by City Comn., 20 in. pipe line across Hillsborough River from point in 7th Ave. west of Highland Ave. to intersection of Leo and Spruce Sts. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. Oct. 8.

Fla., Wauchula—See "Sewers."

La., Kenner—Oct. 26, by H. A. Mentz, consult. engr., Hammond, waterworks, incl. 45,000 ft. 2- to 8-in. c.i. mains, 100,000 gal. elevated steel tank, reservoir, etc., for City. Noted Aug. 27.

O., Cleveland—Oct. 14, by Comrs. Cuyahoga Co., 4,000 ft. 12 in. c.i mains in Wooster Pike south of Pleasant Valley Rd., Impvt. 85. To exceed $25,000. F. Williams, Court House, engr.

O., Cleveland—Oct. 14, by Comrs. Cuyahoga Co., mains in Belrose Ave., north of Mayfield Rd., Impvt. 357. To exceed $15,000. F. Williams, Court House, engr.

Mich., Birmingham—Oct. 12, by H. E. Lawler, village clk., well, not less than 18 in. diam.; 300,000 gal. steel tank, and motor driven pump, 1,000 g.p.m., against 275 ft. total head.

Mich., Detroit — Oct. 20, by Bd. Water Comrs., 176 East Jefferson Ave., 30,727 lin.ft. 8- to 36-in. c.i. mains in Division Rd. from Schoolcraft to Northwestern Highway, and Six Mile Rd. from Monnier to Mill Rds. G. H. Fenkell, genl. mgr.; adv. E. N.-R. Oct. 8.

Minn., Minneapolis — Oct. 13, by F. S. Gram, city purch. agt., water screens for new filtration plant (now under construction) $4,000-$5,000. N. W. Elsberg, city engr.

Mo., Piedmont—Oct. 27, by City Clerk, 4,920 ft. 2 in. galvanized, 13,650 ft. 4 in., 8,885 ft. 6 in. and 2,000 ft. 8 in. c.i. pipe, 26 gate valves, 100,000 gal. concrete reservoir, one 150 g.p.m. motor, one 150 g.p.m. gasoline engine driven pumps, etc. $50,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, engrs.

BIDS RECEIVED

N. J., Point Pleasant—City Council, Sept. 22, water plant, from J. L. Sweigard Co., Lincoln Bldg., Phila., Pa., $148,400.

O., Cincinnati—Director Pub. Serv., 38,450 ft. 16- to 24-in. c.i. mains, etc., from Western Hills Pumping Station to Mt. Airy, from W. Hennigan, 7011 Montgomery Rd., Norwood. $88,585. Engrs. est. $110,000. Noted Sept. 10.

CONTRACTS AWARDED

Ill., East St. Louis—City and Interurban Water Co., 513 Missouri Ave., river intake, etc., on Chouteau Island 4 mi. below mouth Missouri River, to Byrne Bros. Constr. Co., 358 East 115th St., Chicago; 10 mi. rein.-con. main 54 in. inside diam. from low service intake to new high service station at Granite City and 48 in. from latter station to plant here, to Lock Joint Pipe Co., Ampere, N. J. Noted March. 12.

Kan., Sylvan Grove—Waterworks extensions, to Layne Western Co., 507 Mutual Bldg., Kansas City, Mo., $11,200. Noted Aug. 6.

Mo., Lebanon—See "Streets and Roads."

Mo., Portageville—For 60,000 gal. tank on tower, two wells approximately 100 ft. deep, 2 two motor driven triplex pumps, pumphouse, 32,050 ft. 4- to 8-in. c.i. pipe, etc., to R. W. Langston, 730 South Fort St., Springfield, $45,212. Noted July 23.

Mo., Salisbury—For 18,200 ft. 4 in. c.i. and 5,500 ft. 2 in. c.i. or galvanized pipe, 8,100 lb. specials, twenty-five 2 in. plugs, thirty-one 4 in. double nozzle hydrants, twenty-two 4 in. gate valves and boxes, etc., to Merkle Contg. Co., Davidson Bldg., Kansas City, $21,990. Noted July 23.

Ark., Little Rock — West Heights Water Dist. 20, 29,800 ft. 2- to 8-in. c.i. pipe, etc., to Utility Constr. Co., Little Rock, $56,503.

Okla., Marland — New waterworks, incl. tank, mains, triplex pump, valves, hydrants, 1,600 ft. 4 in. rein.-con. and 23,000 ft. 2 in. c.i. pipe, etc., to L. A. Galleciez, 209 Enid Natl. Bank Bldg., Enid, $16,418. Engrs. est. $20,000. Noted April 30.

Ore., Burns—See "Sewers."

Ore., Sutherlin—City furnished 8 mi. 8 and 12 in. electric arc-welded, dipped and wrapped pipe, etc., to Coast Culvert & Flume Co., Columbia Blvd. and Denver Ave., Portland; and constructing 12 in. gauge wrapped steel water intake and supply line, to A. D. Kern, Builders Exch. Bldg., Portland, $48,742.

Calif., Oakland — East Bay Municipal Utility Dist., Ray Bldg., 1924 Bway., to Smith Bros., Inc., Amer. Exchange Bank Bldg., Dallas, Tex., $1,101,822; Mokelumne Water Supply Project, incl. Lafayette tunnel, to T. E. Connolly, San Francisco, Walnut Creek Tunnel, $152,906; to Pelton Water Wheel Co., 19th and Harsen Sts., San Francisco, Walnut Creek pumping machinery, $28,245; to Twohy Bros. Co., Sharon Bldg., San Francisco, Walnut Creek Pump House $23,469, pipe lines from Lafayette tunnel to Peat Lands $3,653,107, across Peat Lands $3,112,820, from Peat Lands to Grant School $2,007,361, and from Grant School to Intake tunnel $1,671,697. Grand total $11,751,427. Noted July 9.

Sewers

PROPOSED WORK

Mass., Quincy (Boston P. O.)—Mayor and City Council plan pumping stations and sewerage system in Squantum and Adams Shore Dists. $175,000. Engineer not selected.

N. C., Liberty—Making preliminary surveys water and sewerage systems. Spoon & Lewis, Amer. Bank Bldg., Greensboro, consult. engrs.

Miss., Hattiesburg—Voted $30,000 bonds for waterworks.

Tenn., Kingsport—Election Oct. 14, $50,000 bonds, sewers in various streets.

O., Barberton — Plans storm sewer in High Ave. from 97th to State Sts. $25,000. H. Alcorn, Barberton, engr.

Ind., South Bend—Plans 2 trunk and 2 sub-trunk sewers. $112,000. F. G. Anderson, city engr.

Mich., Detroit—Dept. Pub. Wks., making plans 2,600 ft. 4½ ft. cylinder and 3¾ x 2½ ft. egg shaped brick and concrete sewer in tunnel or open cut in Houston Ave. Arm, Ashland Ave. Sewer, in Houston Ave. from Hayes to Chalmers Aves. P. A. Fellows, city engr.

Ill., Lombard—See "Waterworks."

Mo., Brentwood (St. Louis P. O.)—Brentwood Sewer Dist. making preliminary plans several miles sanitary sewers in various streets. A. H. Beard Eng. Co., Manchester Ave., Maplewood, engrs.

Mo., Portageville—For sewage disposal plant, 1,300 ft. ¾ in. galvanized pipe, 24,125 ft. 8 in. vitr. clay, 1,300 ft. 10 in. and 2,900 ft. 12 in. sewers, in various streets, etc., to R. W. Langston, 730 South Fort St., Springfield, $34,293.

Mo., Senath—City returned bids unopened sewers in various streets. $28,000. Will readvertise. B. O. Bennett, Caruthersville, engr. Noted July 30 under "Waterworks."

Tex., Bonham—Making plans sewer extensions and disposal plant. $40,000. Koch & Fowler, Central Bank Bldg., Dallas, engrs.

Tex., El Campo — Making plans sewer improvements, etc. $60,000. R. D. King, Wharton, engr. Noted Sept. 17.

Okla., Bethany—Election Oct. 20, $25,000 bonds, new sanitary sewerage system, incl. 4 mi. sewer mains, etc. H. E. Musson, Grain Exch. Bldg., Oklahoma City, engr. Noted Sept. 24.

Ont., Ford—Plans extending sewers in various streets. $30,000. F. Foster, City Hall, engr.

BIDS DESIRED

N. C., Spindale—See "Waterworks."

Fla., Wauchula — Nov. 2, by Bd. Bond Trustees, sanitary sewer and water distribution systems. J. G. Kimmel, consult. engr. W. N. Tonkin, engr. in charge; adv. E. N.-R. Oct 8

La., New Orleans—Dec. 2, by Sewer & Water Bd., A. G. Moffat, secy., for sewerage, waterworks, and drainage construction during year 1926, on percentage basis. G. G. Earl, genl. supt.; adv. E. N.-R. Oct. 8.

Ky., Louisville — Oct. 23, by Commissioners of Sewerage, Bd. Trade Bldg., Portland Relief Extension, Contr. 22, and Highland Ave. Sewer, Contr. 23. J. B. F. Breed, ch. engr.; adv. E. N.-R. Oct. 8.

Ill., Wheaton—Oct. 13, by Comrs. Sanitary Dist. of Wheaton, improving North Side Branch Dist. 2, 1,800 ft. 24 in. and 15,399 ft. 8 in. vitr. clay, also 356 ft. 18 in. c.i. pipe, 58 manholes, etc. $61,871. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Ill., Amboy—Oct. 12, by Bd. Local Impvts., sewage purification plant. F. W. Lake, city engr.

BIDS RECEIVED

N. Y., New York — See "Streets and Roads."

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Sept. 30, branch sewers in 75th St. between Buist and Wheeler Aves., from Sarco Contg. Co., 310 North 6th St., $14,083, and both sides of Elmwood Ave. between Island Rd. and 75th St., from W. McIntyre, 6811 North Franklin St., $16,920. Noted Sept. 24.

Mo., St. Joseph—Bd. Pub. Wks., Sept. 25, storm sewers in Florence Addition, from Buchanan Constr. Co., 1507 North 11th St., monolithic concrete pipe, $24,818; from Judson Eng. & Constr. Co., 1811 Farron St., vitr. tile block pipe, $25,280; and from O. Schmidt, Bartlett Trust Bldg., rein.-con. pipe, $25,724. Noted Sept. 17.

Mo., St. Louis—For 32,425 ft. 8- to 48-in. vitr. clay, brick or segmental block sewers in Baden Sewer Dist. 4, from Riley Contg. Co., 110th North 7th St., $131,563. Engrs. est. $160,000. Noted July 23.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Sept. 29, for Union-Bircher Joint Sewer, 10,170 ft. 12- to 78-in. vitr. clay, concrete brick or segmental block pipe, from Missouri Eng. & Contg. Co., Merchants-Laclede Bldg., $161,658. Engrs. est. $175,000. Noted Aug. 13.

CONTRACTS AWARDED

O., Medina—Medina Co., improving Chippewa Lake Dist., incl. 13,890 ft. 6 and 8 in. vitr. tile pipe for Sewer 5, to Sedor & E. Mando, Erie, Pa., $24,000; 3,300 ft. 6 and 8 in. c.i. pipe for Water 6, and 1,890 ft. 6 and 8 in. c.i. pipe in water 8, to Langahan Constr. Co., Marshall Bldg., Erie, Pa. $33,200.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., Div. K., exit chambers and preliminary settling tanks, incl. 20,000 cu.yd. concrete, 11,800 cu.yd. concrete, 550 tons reinforcing, etc., to J. Griffith & Sons Co., 112 West Adams St., $801,666. Noted Sept. 17.

Mich., Detroit—Drain Comn. Wayne Co., Sunbeam Drain, in Redford Twp., to Jeynes & Son, 1208 Ford Bldg., $25,000. Noted Aug. 27.

Mich., Lincoln Park (mail Detroit) — Wayne Co. Drain Comn. (Detroit) constructing Snow Drain in Ecorse Twp., to Oakwood Constr. Co., Oakwood Blvd., Detroit, $103,419. Noted Sept. 3.

Ill., Naperville—To Kuehn Bros., Aurora, Delcara Heights sewer extension $16,018, Ogden Ave. sewer extension $19,051, storm drains in Ogden Ave. addition $22,137, water slants $4,069, and sewer house slants $2,105; to T. H. Iglehart Co., 166 West Jackson St., Chicago, Ogden Ave. water extension, $19,076.

Minn., St. Paul—Sewer and laterals in Otto Ave. Extension 3, to Thornton Bros., 318 Endicott Bldg., $29,887. Noted Sept. 3.

Ark., Morrilton—For 30,000 ft. 8- to 12-in. sewers in various streets, to Rowan & Rickard, Pine Bluff, $46,295.

Mo., St. Joseph—For 1,270 ft. 5, 7 and 9 ft. circular rein.-con. sewers in Hyde Park Sewer Dist., to Pub. Wks. Co., St. Joseph, $20,570. Engrs. est. $30,000. Noted Sept. 10.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Sect. A North Baden Public Relief Sewer, 3,140 ft. rein.-con. horseshoe, 11 x 14 ft. 2.5 in. inside diam. etc., to Martin & Reilly, 5971 Maple Ave., $147,461, engrs. etc. $170,000; and 3,805 ft. 8- to 24-in. vitr. sewers, etc. in Harlem Creek Dist. 23, to Riley Contg. Co., 110 North 7th St., $9,512. Noted Sept. 24.

Ore., Burns—Sewerage and waterworks systems, incl. vitr., 4 and 6 in. Matheson steel, and 8 and 10 in. arc welded pipe, to Morrison & Knudson, Railroad and Reclamation Ave., Boise, Idaho, $220,417. Engrs. est. $250,000.

Waste Disposal

PROPOSED WORK

S. C., Spartanburg—Voted $75,000 bonds for incinerator.

BIDS DESIRED

N. Y., New Dorp — Oct. 20, by J. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, for building and runway at garbage incinerator, etc., here.

Bridges

PROPOSED WORK

Pa., Johnstown — City Council, J. W. Cramer, cik., made plans 150 ft. concrete and steel bridge, 34 ft., to have two 6 ft. sidewalks, trolley tracks, etc., over Pennsylvania R.R. tracks and Conemaugh River at Maple Ave., connecting Johnstown and Franklin. $400,000. J. E. Greiner & Co., Union Terminal Blk., Pittsburgh, engrs.

Miss., Greenwood — See "Streets and Roads."

Miss., Gulfport—See "Streets and Roads."

Miss., Vicksburg—Warren Co. and State Hy. Dept., Jackson, making preliminary plans 1,350 ft. rein.-con. and steel bridge with creosoted timber supports for approaches over Yazoo River, near Snyders Bluff. $250,000. H. C. Dietzer, Jackson, engr. Noted Sept. 25.

La., Shreveport — City, L. E. Thomas, mayor, election soon, $500,000 bonds, rein.-con. and steel bridge, at Market St.

Ill., Rockford—Soon takes bids 1,500 ft. concrete arch bridge. $300,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted July 23.

Kan., Newton—Harvey Co. making preliminary plans three 50 ft. span deck girder bridge, 20 ft. roadway, etc., over Emma Creek, on Federal Aid Project 190-A, Kansas Engr. Co., 1233 Western St., Topeka, engrs. A. H. Hay, co. engr.

Kan., Wichita—Making preliminary plans rein.-con. bridge across Chisholm Creek, at Washington St.; and rein.-con. bridge across Drainage Canal, at Harry St. $50,000. P. L. Brockway, City Hall, engr.

Tex., Bellville—See "Streets and Roads."

Tex., Brownsville — See "Streets and Roads."

Tex., Memphis—See "Streets and Roads."

Tex., Memphis — Hall Co. making plans rein.-con. and steel bridge across Prairie Dog Fork of Red River. $200,000. L. L. Hasie, Memphis, co. engr.

Tex., Post — Garza Co. plans concrete bridge across Yellow House River. $25,000. J. B. Boren, Post, co. judge.

BIDS DESIRED

Kan., Clay Center — See "Streets and Roads."

Kan., Kansas City — See "Streets and Roads."

Tex., Albany—See "Streets and Roads."

Colorado — Oct. 13, by State Hy. Dept., Denver, 110 ft. concrete girder bridge with gravel approaches 5 mi. west of Pueblo, Pueblo Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Calif., El Portal—Oct. 19, by State Hy. Comn., Sacramento, three 58 ft. span, rein.-con. girder bridge over Merced River, ½ mi. west here, Mariposa Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

BIDS RECEIVED

Pennsylvania—See "Streets and Roads."

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Sept. 30, 2 span, 102 ft. steel encased bridge (replacing timber bridge), over Cobbs Creek Blvd., at 65th St., from M. and J. B. McHugh, 892 North Markoe St., $72,859. Noted Sept. 24.

Pa., Pittsburgh—Comrs. Allegheny Co., superstructure for Point Bridge 3 over Monongahela River, from Fort Pitt Bridge Wks., Oliver Bldg., $907,686.

Ohio—Dept. Highways & Pub. Wks., Columbus, Sept. 25, concrete arch bridge on Sect. "Bluffton Bridge," Lima-Sandusky Rd., Allen Co., from Pandora Cement Co., Pandora, $23,089; 246 ft. concrete bridge on Sect. "D" Mt. Vernon-Coshocton Rd., Coshocton Co., from Sudbury Mfg. Co., Sudbury, $18,681; concrete girder bridge on Sect. "G" Painesville-Warren Rd., Lake Co., from Duffield & Baker, Horton, $5,224; bridge and culverts on Sect. "J" McConnellsville-Athens Rd., Morgan Co., from Brillhart & Wright, Warsaw, Ind., $38,748; bridge over Little Beaver Creek, on Sects. "C2 and D" Columbus-Portsmouth Rd., Pike Co., from E. P. Hinton, Chillicothe, $7,064; bridge on Sect. "S" Cincinnati-Zanesville Rd., Warren Co., from C. J. Uible, Hillsboro, $13,113. Noted Sept. 17.

O., Akron—W. F. Peters, dir. Pub. Serv., Sept. 28, 600 ft. temporary steel and timber viaduct, 26 ft. roadway, 8 ft. walks, over East Exchange St. railroad crossing, 44,000 lb. new and 153,000 lb. old steel, 354,000 ft. wooden piling, from Stevens Constr. Co., 414 The Arcade, $45,000. Engrs. est. $48,600. Noted Sept. 17.

O., Cincinnati — Hamilton Co., Sept. 25, rebuilding concrete superstructure for 4 span 224 ft. bridge, on Kilby Rd., from United Constr. Co., 408 Lyric Bldg., $16,470. Engrs. est. $25,000. Noted Sept. 3.

Missouri — State Hy. Dept., Jefferson City, Sept. 25, from Shultz Constr. Co., Parsons, Kan., three 20 ft. rein.-con. slab spans, etc., over stream, Bates Co. $3,877, also three 24 ft. rein.-con. slab spans, etc., over West Fork Creek, Barton Co. $4,747; from C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, three 24 ft. rein.-con. slab spans, etc., over St. Louis & Hannibal R.R. tracks, $6,109, also two 80 ft. steel truss and five 20 ft. rein.-con. slab spans, etc., over Spencer Creek, $20,235, both in Ralls Co.; from L. Rich Constr. Co., East St. Louis, Ill., three 35 ft. rein.-con. deck girder spans, etc., over Plum Creek, Ralls Co., $7,040, and three 45 ft. rein.-con. deck girder spans, etc., over Long Branch, Audrain Co., $7,832; from Knox & Pengel, Jackson, three 40 ft. rein.-con. deck girder spans, etc., over Goose Creek, Cape Girardeau Co., $6,808; from Woodsmall & Woodsmall, Marshall, two 12 ft. rein.-con. slab spans, etc., over stream, Grundy Co., $4,415; from Cook & Waddell, Ottawa, Kan., one 45 ft. rein.-con. deck girder span, etc., over Thompson Branch, Gentry Co., $6,451; from E. H. Euler, Maysville, one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc., over Town Branch, Gentry Co., $9,705; from Kelly & Underwood, Granby, one 70 ft. steel truss and five 20 ft. rein.-con. slab spans, etc., over Sons Creek, Dade Co., $12,316; and from M. P. McGuire, St. Louis, one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc., over Missouri Pacific R.R. tracks, Jefferson Co., $9,669. Noted Sept. 24.

CONTRACTS AWARDED

New Hampshire — See "Streets and Roads."

Mass., Northfield—Bd. Selectmen, resurfacing Bennetts Meadow Bridge, concrete abutments and wood block paving, to Standard Eng. Co., 2463 Bway., Toledo, O., $28,135. Noted Sept. 24.

Connecticut—See "Streets and Roads."

Pa., Allison Park — Baltimore & Ohio R.R. Co., Baltimore and Charles Sts., Baltimore, Md., bridge over railroad tracks, here, to T. J. Foley Co., 3rd Ave., Pittsburgh. Engrs. est. $50,000.

Pa., Duboistown—Pennsylvania R.R. Co., Broad St. Sta., Phila., masonry work for undergrade bridge, here, to H. E. Wagner, 2306 Chestnut St., Harrisburg. Engrs. est. $25,000.

Pa., Troy — Pennsylvania R.R. Co., Broad St. Sta., Phila., masonry work for undergrade bridge, here, to Milliron Constr. Co., Dubois. Engrs. est. $25,000.

W. Va., Weirton — Pennsylvania R.R. Co., Penn. Sta., Pittsburgh, Pa., W. D. Wiggins, ch. engr., reconstructing undergrade highway bridge, here, to T. J. Foley, 3rd Ave., Pittsburgh, Pa. Engrs. est. $35,000.

Fla., Boca Raton—Mizner Development Corp., A. Misner, pres., Palm Beach, 110 ft. steel and gunite covered double bascule bridge, with 40 ft. roadway and two 10 ft. walks, across Florida East Coast Canal connecting Camino Real with Ocean Blvd., also constructing Camino Real from Dixie Highway to Sect. 26, etc., to Dwight P. Robinson Co., 125 East 46th St., New York City. This corrects report in Oct. 1 issue.

Miss., Quitman—See "Streets and Roads."

Ia., Corning—See "Streets and Roads."

Kan., Hutchinson—Reno Co., ten 45 ft. deck girder bridge, 20 and 24 ft. wide, 9,590 ft. wooden piling, etc., on 4th Ave., Federal Aid Project 27-J, to E. Tomlinson, Garfield, $53,346. Noted Sept. 10.

N. D., Valley City — State Hy. Comn., Bismarck, 1 rainbow arch span, 125 ft. rein.-con. bridge, with 25 ft. roadway, and one 5 ft. sidewalk over Cheyenne River, on Federal Aid Project 247-C, here, to Minneapolis Bridge Co., 924 Metropolitan Life Bldg., Minneapolis, Minn., $35,689. Noted Aug. 27.

Tex., Anderson — Grimes Co., R. W. Barry, judge, concrete bridge and culverts on 56.8 mi. roads in Dists. 7 and 8, to J. F. Buckner & Son, 705 West 34th St., Austin, $70,163. Engrs. est. $75,000. Noted Sept. 3.

Tex., Anson—See "Streets and Roads."

Tex., Madisonville — See "Streets and Roads."

Tex., Memphis—See "Streets and Roads."

Okla., Enid — Garfield Co., 3 concrete bridges, to McNeal & Wells, Enid, $11,800; 2 bridges, to L. Vursels, 1511 West Randolph St., $3,225; 1 bridge, to F. F. Woelke, 1802 West Cherokee St., $4,550; 1 bridge, to Redwine & Hileman, Covington, $4,225; and 1 bridge and 2 culverts to H. Forshee, Howard, $3,651. Grand total $28,451.

Idaho—State Hy. Dept., Boise, to Delivuk & Stack, Spokane, Wash., constructing 52 ft. steel span bridge with two 13 ft. approaches over Bear Creek on Federal Aid Project 91, Latch Co., $5,514; D. J. Cananagh, Twin Falls, 180 ft. steel bridge and approaches, etc., over Salmon River, on Federal Aid Project 90-A, near Carmen, Lemhi Co., 9,387 cu.yd. excav. at $0.28 per cu.yd., 394 cu.yd. gravel surfacing $2.50, 17,400 lbs. reinforcing $0.07, etc., total $35,395; and to J. J. Burke & Co., Salt Lake, Utah, 6 span concrete arch bridge over Salmon River, on Federal Aid Project 90-A, Salmon, Lemhi Co., 2,600 cu.yd. excav. at $2.50, 972 sq.yd. bituminous macadam surfacing $3, 1,262 cu.yd. concrete, etc., $28, total $102,819. Grand total $143,728.

Wash., Hoquiam—City Comn., 40 ft. span, hand operated bascule bridge over Little Hoquiam River, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, $31,758. Noted Oct. 1.

Calif., Stockton — Bascule bridge over Mormon Channel, at Washington St., to C. J. Nystedt, 111 Kensington Way, Stockton, approximately $117,000.

Dams

PROPOSED WORK

N. C., Marion—See "Unclassified."

Mo., Kansas City—Missouri Hydro-Electric Power Co., Land Bank Bldg., making plans 100 ft. rein.-con. power dam on Eleven Point River, Oregon and Howell Counties. Private plans.

Okla., Altus—See "Waterworks."

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

N. J., Long Branch—City Comn. plans 2 jetties near Reservation property. $150,000. J. Strollo, Long Branch, engr.

Wisconsin—Somers D. D., Racine, D. Bull, secy., making plans draining and dredging in Mount Pleasant and Sommers. $25,000. J. J. Degen, Burlington, engr.

Tex., San Saba—San Saba Co. plans irrigation district, incl. earth and concrete dam across San Saba River at Doran, about 18 mi. from here. $800,000 bond election soon. Address county engineer.

BIDS DESIRED

Ia., Council Bluffs — Oct. 15, by G. B. Sparks, aud. Pottawatomie Co., 7.5 mi. new channel for East Nishnabotna River, 500,000 cu.yd. excav., etc., for Cass and Pottawatomie Counties. $56,000. B. J. Conlon, 1288 Canning St., engr. Noted Sept. 3.

CONTRACTS AWARDED

Mass., Scituate—Dept. Pub. Wks., Boston, dredging about 20,000 cu.yd. material from Scituate Harbor to depth 6 ft. mean low water, here, to Bay State Dredging Co., 16 Condor St., East Boston, $21,220. Noted Sept. 24.

Ont., Welland — Dept. Rys. & Canals, Parliament Bldgs., Ottawa, Sect. 6, Welland Ship Canal from Welland to Port Robinson, to E. O. Lahey & Co., and Atlas Constr. Co., 185 Queen St., Ottawa, to exceed $7,000,000. Noted Aug. 27.

Streets and Roads

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—Street Layingout Dept., Boston, plans constructing Dever St. as highway, here. $25,000. J. F. Sullivan, secy.

Mass., South Boston (Boston P. O.)—Dept. Pub. Wks., Boston, plans widening West 1st St., here. To exceed $25,000. J. A. Rourke comr.

N. Y., New York—Dept. Parks, Arsenal Bldg., 64th St. and 5th Ave., F. D. Gallatin, pres., rejected bids Sept. 24, reconstructing and repaving Orchard Beach Rd. Noted Oct. 1.

N. J., New Brunswick—City Comn. plans paving 2,250 ft. Georges Rd. $60,000. A. Atkinson, city engr. Middlesex Co. plans to appropriate toward cost.

W. Va., Huntington—Barboursville Dist. election Nov. 3, $270,000 bonds for roads in Cobeel Co. J. M. Oliver, Huntington, co. engr.

N. C., Raleigh — Making plans paving various streets. $750,000. W. C. Olsen, Raleigh, engr.

S. C., Newberry—Election soon $125,000 bonds paving, improving water and sewers in various streets.

Miss., Greenwood — Leflore Co. making preliminary plans gravel surfacing, bridging, etc., various roads. $500,000.

Streets and Roads (Continued)

Miss., Gulfport — Making preliminary plans grading, bridging, gravel surfacing, etc. 17.5 mi. Magnolia-Gulfport Rd., 18 ft. W. S. Hawkins, Gulfport, engr. Noted Aug. 6.

Miss., Pass Christian—See "Unclassified."

La., Cedar Grove—Making plans paving 15 blocks various streets. C. D. Evans, 309 Levy Bldg., Shreveport, consult. engr.

La., Shreveport—Election soon $400,000 bonds, opening and paving about 10 blocks Milam St. to connect with Reynolds. L. E. Thomas, mayor.

Ohio—Dept. Highways & Pub. Wks., Columbus, cancelled bids Sept. 25, bridging and bituminous macadam, asphalt or tar paving 1.999 mi. Sect. "A-2," Westminster-New Hampshire Rd. Allen Co., 3.82 mi. Sects. "C-2 and C-3" Findlay-Delphos Rd. Hancock Co., 4.129 mi. Sect. "L-1" Cincinnati-Chillicothe Rd. Highland Co., 0.21 mi. Sect. "Stryker" Stryker-Evansport Rd., Williams Co.; waterbound macadam paving 2.985 mi. Sect. "B" Georgetown-Wilmington Rd., Brown Co.; concrete paving 0.158 mi. Sect. "B," 0.628 mi. and 0.464 mi. Sect. "Berlin-Heights" Ceylon-Norwalk Rd., Erie Co.; waterbound macadam or rein.-con. paving 2.45 mi. Sect. "C" Hambden-Andover Rd., Geauga Co. Noted Sept. 17.

O., Canton—Stark Co. plans brick paving 4 mi. Canton-Lisbon Rd., 16 ft. $120,000-$150,000. A. M. Wise, Court House, engr.

Ind., Anderson—Madison Co. plans concrete paving 15,240 sq.yd. Goff Rd., $41,000; and 22,176 sq.yd. Lewis Rd., $53,000, both 18 ft. A. H. Doyle, Anderson, engr.

Ill., East St. Louis — Soon takes bids grading, curbing, hardsurfacing, etc., Illinois St. $33,300, North 13th St. $33,300, Exchange St. $20,500, and 18th St. $15,900. W. McBrown, City Hall, engr.

Ind., Terre Haute—Vigo Co., plans concrete paving 8,448 sq.yd. Hulman St. Rd., $25,000, and 8,340 sq.yd. Maple Ave., $25,000; vitr. brick paving 20,064 sq.yd. Hunter Rd., $103,115. G. Grimes, Terre Haute, engr.

Kan., Kansas City—Wyandotte Co. soon takes bids rock asphalt surfacing 1 mi. Smith Rd., 18 ft. To exceed $25,000. Former bids rejected. O. K. Williams, co. engr. Noted Sept. 3.

Ark., Hot Springs — Takes bids about Nov. 1, grading, curbing and concrete or Warrenite surfacing 37,000 sq.yd. various streets in Paving Dist. 82. G. C. Smith, City Hall, engr.

Texas — Kerr Co. (Kerrville), Gillespie Co. (Fredericksburg), Llano Co. (Llano) and San Saba Co. (San Saba) plan gravel surfacing 113 mi. Pecan Belt Highway from Kerrville to Comanche, 18 ft. $3,000,000. $401,000 allotted to counties as State aid, and each county will call bond election soon to care for their part of financing. Address County Engineers.

Tex., Abilene—Making plans hardpaving about 6 blocks 6th St. from Boulevard to Peach St., 45 ft. $35,000. O. K. Hobbs, Abilene, engr.

Tex., Abilene — Takes bids about Oct. 10, permanent paving 4 blocks South 3rd St. from Butternut to Locust Sts. and Locust St. from South 2nd St. to 3rd Sts., 50 ft. $28,000. O. K. Hobbs, Abilene, engr.

Tex., Alice—Jim Wells Co. making plans hardsurfacing 16.1 mi. Highway 12, Federal Aid Project 429-G, Unit 2, 16 ft. $306,000. L. W. S. Mantel, Alice, engr.

Tex., Alice—Jim Wells Co. making plans caliche surfacing 6 mi. and rock asphalt topping 7.7 mi. State Highway 12, Federal Aid Project 429-F, Unit 2 $294,000; 1 in. Walde rock asphalt on calice surfacing 14.3 mi. Highway 12, Federal Aid Project 429-E, Unit 2, $175,000; rein.-con. paving 14.42 mi. Highway 12, Federal Aid Project 429-H, $175,000, all 18 ft. L. W. S. Mantel, Alice, engr.

Tex., Amarillo—Making plans permanent paving 6 blocks Harrison St. from 6th to 10th Sts. and West 8th St. from Harrison to Jackson S's. $40,000. H. B. Jones, Amarillo, engr.

Tex., Bastrop—Bastrop Co., election Oct. 24th, $25,000 bonds constructing Giddings-Waelder Road in Road Dist. 1. A. Schafle, La Grange, div. engr.

Tex., Bellville — Austin Co. soon takes bids grading, bridging, etc. 16.96 mi. Federal Aid Project 465-A, 26 ft. $118,000. H. Schroeter, Bellville, engr. Noted July 9.

Tex., Brownsville—Cameron Co. making plans grading and bridging 27 mi. Brownsville-Boca Chico Rd. $60,000. W. O. Washington, Brownsville, engr.

Tex., Calvert — Voted $40,000 bonds, permanent paving about 16 blocks business streets. Address Mayor.

Tex., Cameron—Milam Co. making plans surfacing 15½ mi. Highway 43, Federal Aid Project 494-B, east of Milano to Road Dist. 6, 18 ft. $120,000. W. F. Mitchell, Cameron, engr.

Tex., Cleburne — Making plans paving Prairie Ave. and West Chambers St. $45,000. C. H. Teesdale, Cleburne, engr.

Tex., Cold Springs—San Jacinto Co. election Oct. 3, $1,000,000 bonds improving about 38 mi. State Highway 35 from Liberty Co. to Polk Co. lines and State Highway 45 from Walker Co. line to Trinity River. D. M. Love, Cold Springs, judge.

Tex., Hallettsville—Lavaca Co. election soon $300,000 bonds hardsurfacing 12 mi. highway from Shiner to Yoakum, 18 ft. C. L. Stanivoha, Hallettesville, co. judge.

Tex., Johnson City — Blanco Co. voted $27,000 bonds grading, graveling, etc. about 7 mi. Round Mountain and Cypress Mills Dists. W. Martiny, Johnson City, judge.

Tex., Memphis — Hall Co. making plans grading, bridging and concrete paving 3.34 mi. State Highway 5, Red River to Childress Co. line., 18 ft. $133,000. C. L. Hasie, Memphis, engr.

Tex., Muleshoe—Bailey Co. plans improving about 5 mi. Highway 7, from Muleshoe to Parmer Co. line. $90,000. Address W. G. Kennedy, Muleshoe, co. judge.

Tex., Raymondville—Election Oct. 17th, $300,000 bonds hardsurfacing various roads. W. H. Mead, Raymondville, co. judge. Noted Sept. 24.

Tex., San Angelo — Takes bids about Nov. 1, permanent paving 10 blocks various streets. $80,000. Terrell Bartlett Engineers, 616 Calcasieu Bldg., San Antonio, engrs.

Tex., San Antonio — Making preliminary plans widening 5 blocks Market St. from St. Marys to Water Sts. $100,000. I. Ewig, city engr.

Tex., Sherman—Election Oct. 24th, $100,000 bonds paving various streets. J. A. Henderson, Sherman, city secy.

Tex., Texas City — Galveston Co. soon takes bids grading, curbing, guttering and asphaltic concrete paving various streets. $130,000. Fossgard & Davis, City Hall, engr. Noted Aug. 20.

Okla., Garber—Plans grading, curbing and concrete surfacing 32,200 sq.yd. Ponca, Pawnee, Cherokee and Seneca Sts. $116,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Haileyville—Plans grading, curbing and concrete surfacing 8,400 sq.yd. Main St. $26,000. F. Fraser, McAlester, engr.

Arizona—State Hy. Dept., Phoenix, making plans grading and gravel surfacing 15 mi. Kreygers Corners-Liguerta Rd. $293,500. W. W. Lane, highway engr.

Ariz., Tucson—Pima Co. making plans grading and gravel surfacing 160 mi. Tucson-Ajo-Gila Bend Rd. J. M. Ruthrauff, Tucson, engr.

California — State Hy. Comn., Forum Bldg., Sacramento, plans constructing 38 mi. road, Project 166, in Imperial Co. $1,150,000. R. M. Morton, highway engr.

Calif., Inglewood—Plans grading curbing and concrete paving 125,175 ft. Arbor Vitae St. W. Peffer, Inglewood, engr.

Calif., San Diego—Common Council plans improving 30th and K Sts. 291,096 sq.ft. 5 in. concrete paving, 23,798 sq.ft. sidewalks, 5,357 lin.ft. curbing, 9,418 cu.yd. excav., etc. F. A. Rhodes, city engr.

Calif., San Diego — Common Council plans improving Mississippi St., 108,259 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, 4,143 sq.ft. sidewalk, 793 lin. ft. curbing, etc. F. A. Rhodes, city engr.

BIDS DESIRED

Mass., East Boston (Boston P. O.)—Oct. 24, by Transit Dept., Boston, granite block on concrete paving Lewis and Summer Sts., here. $25,000. T. F. Sullivan, chn.

N. Y., New York—Oct. 15, by J. Miller, boro pres. Municipal Bldg., widening and sheet asphalt on concrete repaving 116th St.; granite block on concrete repaving Canal St.; and sheet asphalt on concrete repaving Whitehall St. and Bowling Green.

New York — Oct. 26, by Bronx River Parkway Comn., 72 West Pondfield Rd., Bronxville, asphalt block paving Bronx River Parkway Dr. south of Valhalla to Kensico Dam Plaza. Contr. 78. J. Downer, engr. and secy.; adv. E. N.-R. Oct. 8.

N. Y., Peekskill—Oct. 27, at office Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading and concrete paving portion State Parkway from State Camp Rock to Bear Mountain Bridge approach Rd. at Roa Hook, near here. J. Downer, ch. engr.; adv. E. N.-R. Oct. 8.

N. Y., St. George — Oct. 14, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete sidewalks on north side Victory Blvd. from point 345 ft. west of Clove Rd. to point 504 ft. westerly.

Pennsylvania — Oct. 30, by State Hy. Dept., Harrisburg, rein.-con. paving or grading, etc., approximately 16 mi. roads in 7 counties. P. D. Wright, secy.; adv. E. N.-R. Oct. 8.

Pa., Mt. Lebanon—Oct. 15, by Comrs. Allegheny Co., asphaltic concrete paving 4,250 ft. Washington Rd., Contr. 2, Cochran-Mt. Lebanon Rd. $60,000. Co. Dept. Pub. Wks., City County Bldg., Pittsburgh, engrs.

N. J., Dover—Oct. 19, by Morris Canal & Banking Co., dismantling work and reconstructing Bridges 63 and 71, Morris Co. C. C. Vermeule, 38 Park Row, New York City, engr.

Maryland — Oct. 13, by State Roads Comn., Baltimore, concrete paving 0.19 mi. Contr. Ce-54, Cecil Co. J. N. Mackall, chn.; adv. E. N.-R. Oct. 8.

Md., Baltimore—Oct. 14, by Bd. Awards, sheet asphalt paving 20,200 sq.yd. streets listed in Contr. 305-OCNA, $75,000; and concrete paving 9,060 sq.yd. streets in Contr. 306-OANA. S. Purcell, highways engr.

W. Va., New Martinsville — Oct. 19, Common Council, grading and paving North Main St. between North and Virginia Sts., North St. between Main and Ohio Sts., and North Main St. between Virginia and Elm Sts.; concrete curbing both sides 4th St. between Locust St. and McEldowney Ave.; filling north side Jefferson St. between Martin and Maple Aves. J. K. Denny, recdr.

W. Va., Parkersburg—Oct. 13, by City Council, paving Laird Ave. from Charles to Tefft Sts., and Tefft St. from Latrobe St. to Laird Ave. M. L. Hoffman, city clk.

North Carolina — See "Contracts Awarded."

Georgia — Oct. 16, by State Hy. Dept., East Point, earth fill approaches to new concrete bridge over Ogechee Rd. and bridges over river between Chatham and Bryan Counties, Federal Aid Project 177-E, 5,827 cu.yd. earth embankment, 470 cu.yd. clay general surfacing, etc. W. R. Neel, ch. engr.

Georgia — Oct. 16, by State Hy. Dept., East Point, double surface treating 139,716 sq.yd. Quitman-Madison Fla. Rd., Federal Aid Project 278-A, Brooks Co., and bituminous surfacing 63,912 sq.yd. Tipton Rd., Federal Aid Project 146-C, Tift Co., E. J. Smith, Thomasville, engr.; double surfacing 86,013 sq.yd. Waycross-Jacksonville Rd., Federal Aid Project 77, Charlton Co., and 40,832 sq.yd. Waycross-Jacksonville Rd., Federal Aid Project 212, Ware Co., H. M. Pafford, Waycross, engr. W. R. Neel, ch. engr.

Ala., Birmingham — Oct. 20, by City Comn., asphalt surfacing 3 blocks 31st Ave., $27,300; 3 blocks 16th St., $16,770, 1 block 40th St. and 8th Ave. S., $1,860; and 2 blocks 7th Ave. and 15th St. W., $4,455, all above 30 ft. wide. A. J. Hawkins, city engr.

Ala., Birmingham — Oct. 25, by City Comn., curbing, sidewalks and 7 in. concrete surfacing 3 blocks 31st Ave., 40 and 30 ft., $27,300; asphalt on concrete surfacing 6 blocks 30th St., 13th Ave. and 15th Ave. N., 40 ft., $67,425; asphalt surfacing 5 blocks North 20th St., 40 ft. $47,600; 4 blocks 46th St. (Wylam), 30 ft. $14,350, and 2 blocks 2nd Ave. and 1st Court N, 30 ft., $2,860. A. J. Hawkins, city engr.

Miss., Aberdeen—Oct. 16, by Mayor and Bd. Aldermen, grading, curbing and 2 in. Warrenite bitulithic on 4 in. concrete surfacing 1,539 sq.yd. various streets.

Miss., Louisville — Oct. 20 (extended date), by Winston Co., grading, gravel surfacing, etc., 14 mi. Federal Aid Project 74-B, 18 ft. H. C. Dietzer, Jackson, engr. Noted Sept. 10.

Louisiana—Nov. 24, by State Hy. Comn., Baton Rouge, gravel or shell surfacing 8,809 mi. Hammond-New Orleans Highway, State Project 127, Sect. C, Tangipahoa Parish, and 13.033 mi. Sect. E above highway, St. John the Baptist Parish. W. B. Robert, highway engr.

La., Jennings — Oct. 15, by Bd. Comrs. Bayou Chene Rd. Dist., Jefferson Davis Parish, improving 5 mi. highway, (a) 61,000 cu.yd. earthwork, 15,000 cu.yd. gravel (b) 35,400 ft. and 30,900 ft. treated lumber for culverts and bridges respectively. M. Bernard, Crowley, consult. engr.

Tenn., Dyersburg—Oct. 15, by Dyer Co. Pike Comn. 2, grading 5.2 mi. RoEllen-Tatumville Rd., 5.7 mi. Bruceville-Crockett Co. line Rd., and 2.2 mi. Bradley Ferry Bridge-Midway Rd. L. O. Brayton, 403 First Citizens Natl. Bank Bldg., engr.

O., Cincinnati—Oct. 13, by Director Pub. Serv., grading, curbing, sidewalks and paving Mitchell Ave., 14,000 sq.yd. Durax paving material. $116,510. Former bids rejected. F. Krug, City Hall, engr. Noted Oct. 1.

Streets and Roads (Continued)

O., Cleveland—Oct. 14, by Comrs. Cuyahoga Co., concrete paving Smith Rd. $50,000. F. Lander, Court House, engr.

O., Cleveland—Oct. 14, by Comrs. Cuyahoga Co., brick paving East 71st St. from Cuyahoga Heights, Village to Canal Rd. $196,200. F. Lander, Court House, engr.

Ind., Ft. Wayne — Oct. 14, by O. M. Darling, engr., Ft. Wayne, grading and graveling 15,571 ft. Barkley Rd., 26 ft., for Allen Co. $26,172.

Ind., Monticello — Oct. 9, by P. Ward, Monticello, grading and graveling 15,520 ft. Lowe Rd., 26 ft., for White Co. $27,532.

Mich., Detroit — Oct. 15, by Dept. Pub. Wks., grading, curbing and 3½ in. sheet asphalt on 8 in. concrete paving 4,100 sq.yd. Julian Ave., 2,490 sq.yd. Medina Ave., 4,190 sq.yd. Washburn Ave., 1,310 sq.yd. Fortune Ave., 5,500 sq.yd. Cecil Ave., 83,100 sq.yd. Prairie Ave., 2,000 sq.yd. Reid Ave., 4,010 sq.yd. Constance Ave., 2,090 sq.yd. Kentucky Ave., 6,200 sq.yd. Pinehurst Ave., 60,000 sq.yd. Mt. Elliott Ave., Sects. 1 and 2, 3,530 sq.yd. Holmes Ave., 2,200 sq.yd. Larkins Ave., 3,220 sq.yd. Chopin Ave., and 6,670 sq.yd. Byron Ave. P. A. Fellows, City Hall, engr. Noted Oct. 1.

Ill., Chicago — Oct. 10, by Bd. Local Impvts., City Hall, grading, curbing, guttering and concrete or asphaltic concrete surfacing 77th Pl. and Walden Parkway, Arthington, South Bishop, North Leavitt, West 98th and Ibsen Sts., Anthony, Hermitage, North Seeley, Lunt, Coyle and Ordell Aves. J. H. Sloan, pres.

Ill., East St. Louis—Oct. 12, by City Clerk, asphaltic concrete surfacing 3,410 sq.yd. 17th St., $17,658; asphalt resurfacing 12,960 sq.yd. 15th St., $50,000; asphalt surfacing 2,700 sq.yd. and concrete surfacing 4,200 sq.yd. St. Clair Ave., $33,100; also 380 ft. 12 in. and 460 ft. 8 in. sewers in Welman Ave., $3,000. W. McK Brown, City Hall, engr. Noted Aug. 20.

Kan., Clay Center — Oct. 23, by Clerk Clay Co., grading 4.035 mi. Federal Aid Project 277-A, 28 ft., also 2 bridges, Bridge 1, two 35 ft. and one 45 ft. deck girder span or one 110 ft. steel span, ½ mi. from Clifton, Bridge 2, 90 ft. steel span 4 mi. from Clifton. H. L. Stevens, co. engr. Eidmann & Marshall, Smith Bldg., Topeka, engr.

Kan., Kansas City — Nov. 3, by Clerk Wyandotte Co., grading, bridging and concrete or rock asphalt on concrete surfacing 1 mi. Federal Aid Project 52-E, 18 ft. O. K. Williams, Kansas City, co. engr.

Tex., Albany—Oct. 20, by J. E. Pirie, engr., Albany, grading and bridging 8.18 mi. Highway 12, Federal Aid Project 495, 18 ft., for Shackelford Co. $59,000.

Tex., Baird—Oct. 23, by T. H. Webb, resident engr., bituminous macadam on sledge stone surfacing, 5.47 mi. Highway 1, Federal Aid Project 52-D, for Callahan Co. $106,650. Noted July 23.

Tex., Falfurrias—Oct. 23, R. Harrison, engr. Brooks Co., rein.-con. paving 2.52 mi. Highway 2, Federal Aid Project 429-I, $83,000, and 14.18 mi. State Highway 12, Federal Aid Project 2-A, $510,000, both 18 ft. Noted May 28.

Tex., Uvalde—Oct. 23, by M. B. Hodges, engr., Uvalde, 1 in. limestone rock asphalt surfacing 5.36 mi. State Highway 3, Federal Aid Project 360-B, Unit 2, 18 ft., for Uvalde Co. $29,200.

Tex., Uvalde—Oct. 23, by M. E. Savage, resident engr., Uvalde, 1 in. Uvalde rock asphalt surfacing 14.16 mi. State Highway 3, from Knippa to Frio River, Federal Aid Project 289, Unit 2, 18 ft., for Uvalde Co. $82,300. Noted Aug. 20.

Colorado — Oct. 13, by State Hy. Dept., Denver, grading Loveland Pass Highway, State Project 550, Clear Creek Co 6,100 cu.yd. common, 4,900 cu.yd. dry rock, and 2,600 yd. borrow excav., etc. L. D. Blauvelt, State Office Bldg., engr.

Idaho—Oct. 15, by Comr. Pub. Wks., at Court House, Orofino, grading and crushed rock surfacing 6,812 cu.yd. Orofino-Ahsahka Rd., Federal Aid Project 92-A, Clearwater Co. P. E. Oxley, 202 Pioneer Bldg., Lewiston, dist. engr.

California—Oct. 19, by State Hy. Comn., Sacramento, grading and crushed gravel or stone surfacing 0.9 mi. road between Pismo and point 1 mi. south, San Luis Obispo Co.; and 1.9 mi. road between Arrowhead Blvd. and Blythe, Riverside Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., San Diego — Oct. 19, by A. H. Wright, city clk., grading and 1½ in. asphaltic concrete on 5 in. concrete paving 157,406 sq.ft. Kansas St.; and 4 in. concrete paving, etc., 174,259 sq.ft. Fay Ave. F. A. Rhodes, city engr. Noted Sept. 3.

Calif., South Pasadena (Ind. br. Pasadena) — Taking bids curbing, sidewalks, and asphaltic concrete paving 130,055 sq.ft. Loma Vista St. T. L. Oberlin, city engr.

BIDS RECEIVED

Mass., East Boston (Boston P. O.)—Transit Dept., 1 Beacon St., Boston, asphalt or bitulithic paving Maverick Sq. and Chelsea St., here, from J. A. Singarello, 110 High St., Boston, $34,904. Noted Sept. 24.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, Sept. 30, asphalt repaving, etc., Atlantic Ave., from Sicilian Asphalt Paving Co., 41 Park Row, New York City, $15,442; curbing and permanent asphalt paving Kings Highway, from B. Turecamo Contg. Co., 8706 Bay 12th St. $25,574, and Neptune Ave., from Cranford Co., 52 9th St. $5,113. Noted Sept. 24.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., Sept. 30, grading and curbing, etc. Cambridge Ave., from M. Del Balso, 660 East 221st., $8,699 in East 172nd St., from S. Nugent, 285 West 150th St. $13,168; sewers and appurtenances, etc. in Waterbury Ave., from F. Pestone, 2410 Bathgate Ave., $5,054, and in Selwen Ave., from C. W. McDonald, 1910 Webster Ave., $11,041. Noted Sept. 24.

Pennsylvania — State Hy. Dept., Harrisburg, Oct. 2, **(A. means Application and R. means Route)**, one course rein.-con. paving 9,686 ft. Bullskin-Upper Tyrone Twps., A. 1220 and 1035, Fayette Co., from J. I. Dick, Scottdale $95,565, 4,611 ft. Ramey Boro., R. 276 and 401, A. 3345 and 3531 Clearfield Co., from Lord Constr. Co., Hastings $39,309, 16,467 ft. Rush Twp., R. 316, A. 3616, Susquehanna Co., from Lane Constr. Corp., 35 Colony St., Meriden, Conn. $131,343, 32,235 ft. Laporte-Cherry Twps., Dushore Boro, R. 17, Sect. 7, Sullivan Co., from United Constr. Corp., 147 East Water St., Lock Haven $337,949, 8,965 ft. Green Twp., Hookstown Boro, R. 278, A. 3421, Beaver Co., from A. R. Cooper, 116 2nd Ave., Butler $81,759, 2,357 ft. North Sewickley-Franklin Twps., R. 347, A. 3746, Beaver Co., from Shorb & Reline, St. Clairsville, O. $24,024; and constructing 3 span through truss bridge, etc. over Susquehanna River, at Halstead, Susquehanna Co., from DuBois Constr. Co., DuBois, $123,531. Noted Sept. 17.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Sept. 30, grading, etc., 3,000 cu.yd. streets in 40th Ward, from G. F. Dabbin, 1020 South 47th St., $75,290. Noted Sept. 24.

Maryland — State Roads Comn., Baltimore, Sept. 22, concrete paving 1 mi. highway from end of Contr. D-31, towards Lloyd, Dorchester Co., Contr. D-37, from Slacum, Brohawn, & Woolford, Cambridge, $23,990. Noted Sept. 17.

Ohio—Dept. Highways & Pub. Wks., Columbus, Sept. 25, bridging and paving with **(a)** waterbound macadam **(b)** brick **(c)** vitr. brick on concrete base **(d)** concrete **(e)** bituminous macadam **(f)** tar macadam **(g)** rein.-con. **(h)** asphaltic macadam **(i)** Kentucky rock asphalt **(j)** bituminous concrete **(k)** bituminous concrete on concrete base **(l)** tar, and **(m)** bituminous macadam, asphalt **(1)** 1.198 mi. Sect. "C" Lima-Sandusky Rd., Allen Co. **(2)** 0.725 mi. Sect. "E" Athens-Marietta Rd., Athens Co. **(3)** 0.78 mi. Sect. "B" Ohio River Rd., Columbiana Co. **(4)** 1.951 mi. Sects. "K-1 and Parma" Cleveland-Wooster Rd., Cuyahoga Co. **(5)** 0.337 mi. Sect. "Union City" Greenville-Union City Rd., Darke Co. **(6)** 1.973 mi. Sect. "B" Archbold-Defiance Rd., Defiance Co. **(7)** 3.616 mi. Sect. "J" Delaware-Mt. Gilead Rd., Delaware Co. **(8)** 1.741 mi. Sect. "C" Ceylon-Norwalk Rd., Erie Co. **(9)** 3.516 mi. Sects. "O and G" Lancaster-New Lexington Rd., Fairfield Co. **(10)** 1.029 mi. Sect. "E" Lima-Sandusky Rd., Hancock Co. **(11)** 1.07 mi. Sect. "I" Oberlin-Norwalk Rd., Huron Co. **(12)** 1.4 mi. Sect. "M" Plymouth-Norwalk Rd., Huron Co. **(13)** 1.497 mi. Sect. "N" same road **(14)** 2.102 mi. Sect. "B" Ironton-Miller Rd., Lawrence Co. **(15)** 0.577 mi. Sect. "London East" Columbus-Cincinnati Rd., Madison Co. **(16)** 2.51 mi. Sect. "A" Youngstown-New Bedford Rd., Mahoning Co. **(17)** 1.106 mi. Sect. "A" same road **(18)** 0.434 mi. Sect. "Medina" Cleveland-Hinckley-Medina Rd., Medina Co. **(19)** 2.73 mi. Sect. "J-X" same road **(20)** 1.722 mi. Sect. "J-1" same road **(21)** 0.606 mi. Sect. "K-2" same road **(22)** 1.62 mi. "Oakwood West and H" Continental-Paulding Rd., Paulding Co. **(23)** 0.331 mi. Sect. "Somerset" Cincinnati-Zanesville Rd., Perry Co. **(24)** 3.0054 mi. Sect. "Y" Cleveland-Kent Rd., Portage Co. **(25)** 3.032 mi. Sect. "A" Ottawa-Grand Rapids Rd., Putnam Co. **(26)** 0.219 mi. Sect. "Ottawa North" Ottawa-Grand Rapids Rd., Putnam Co. **(27)** 0.522 mi. Sect. "Plymouth North" Shelby-Plymouth Rd., Richland Co. **(28)** 2.802 mi. Sect. "B" Youngstown-Conneaut Rd., Trumbull Co. **(29)** 3.734 mi. Sects. "N-2 and 0-1" Chagrin Falls-Greenville Rd., Trumbull Co. **(30)** 2.01 mi. Sect. "A-2" Dennison-National Rd., Tuscarawas Co. **(31)** 0.434 mi. Sect. "Creston" Wooster-Cleveland Rd., Wayne Co. **(32)** 0.414 mi. Sect. "Creston" Wooster-Massillon Rd., Wayne Co. **(33)** 1.068 mi. Sect. "G-1" Akron-Wooster Rd., Wayne Co. **(34)** 1.5 mi. Sect. "H" same road, drainage structures on **(35)** 18,000 ft. Sect. "A" West Union-Portsmouth Rd., Adams Co., and **(36)** 0.78 mi. Sect. "B" Ohio River Rd., Columbiana Co., concrete curbing **(37)** 1.756 mi. Sect. "B" Painesville-Warren Rd., Trumbull Co., from W. Sousley, Ada, **(a1)** $9,413 **(a10)** $7,953; from Ebersbach Co., Pomeroy, **(b2)** $22,385 **(b9)** $109,925 **(d30)** $102,237 **(h30)** $93,326; from G. B. Patterson, Wellsville, **(c3)** $27,157; from Cleveland Trinidad Co., The Arcade, Cleveland, **(b4)** $52,896; from E. and G. Alexander, North Star, **(d5)** $11,078; from W. H. and H. A. Souder, Fostoria, **(e6)** $ 5,294; from G. A. Ladd, Weston, **(f6)** $1,759; rom Davis & Davenport, Spencerville, **(g7)** $42,498 **(d18)** $10,219 **(d19)** $65,395 **(d20)** $54,663; from Homeberger-Wagar Co., Sandusky, **(d8)** $47,700; from Road Building Co. of Ohio, Amherst, **(a8)** $43,455 **(f8)** $50,057; from J. H. Blausey, Woodville, **(h8)** $46,750; from Radabaugh-Graham Co., 145 North Front St., Columbus, **(d9)** $102,732; from R. M. Meyers, Attica, **(b11)** $16,470; from A. J. Baltes, Norwalk, **(d11)** $23,572 **(d12)** $38,263 **(d13)** $37,435; from J. M. Carey, Ada, **(f12)** $42,018 **(h12)** $42,018; from Bish & Carey, Ada, **(f13)** $44,013 **(h13)** $44,013; from Mahl Bros., Ironton, **(a14)** $24,229; from W. H. Ringwald Sons, Chillicothe, **(b15)** $16,209; from N. D. Putnam & Co., Columbus, **(e16)** $41,130 **(h17)** $1,503 **(f22)** $82,593 **(g22)** $89,264 **(h22)** $82,132; from Welk & McCleary, Charline, **(f16)** $39,120 **(f17)** $1,408; from D. A. Phillips & Son, Ashland, **(b18)** $11,868; from Holmes Constr. Co., Wooster, **(b19)** $74,587 **(b20)** $61,083 **(b21)** $18,005 **(d33)** $13,838; from Action Bros., Vaughnsville, **(d21)** $14,973 **(d25)** $70,380 **(d26)** $5,472 **(g37)** $16,252; from Stewart & Keiner, Maxahala, **(b23)** $12,999 **(d23)** $12,684; from Laubis Stone Co., Kenton, **(f24)** $31,113 **(h24)** $36,251 **(f25)** $61,933 **(h28)** $37,042 **(i28)** $37,850 **(f29)** $91,336 **(m29)** $90,632; from A. C. Smenck, Ottawa, **(f25)** $59,340 **(h25)** $59,340 **(i25)** $68,575 **(d26)** $5,472 **(f26)** $4,526 **(h26)** $4,526 **(i26)** $5,412; from R. J. Au, Mansfield, **(j27)** $17,883 **(k27)** $18,977 **(d31)** $12,900; from T. L. Losey, Kenton, **(f30)** $102,478; from Griggs & Anderson, Millersburg, **(b33)** $13,751 **(b34)** $16,137; from W. C. Brown, Chillicothe, **(35)** $22,852; from Allison & Harris Co., East Liverpool, **(36)** $12,864; from Bahn & Chamberlain, North Lewisburg, **(37)** $9,290. Noted Sept. 17.

Ind., Terre Haute — Hardsurfacing 0.07 mi. 1st Ave., 30 ft., from Peerless Constr. Co., Terre Haute, $25,089. Engrs. est. $28,000.

Ill., South Jacksonville — Bd. Local Impvts., grading, curbing, concrete surfacing, etc., 10,437 sq.yd. South Main St., from Divine Constr. Co., Papineau, $31,649. Noted Sept. 13.

Wis., Milwaukee — Dept. Pub. Wks., Sept. 25, concrete paving 2 alleys, from A. E. Retzlaff, 868 Island Ave., $3,531; 5 alleys, from Bodemann Constr. Co., 691 48th St., $24,418; 4 alleys, from F. Hildebrand, 1042 23rd Ave., $15,114; 1 alley, from Ryback & Sadowski, 1092 2nd Ave., $4,077; 1 alley, from Schwerm Bros., 50 Lee St., $6,667.

Kan., Independence—Brick on 7 in. concrete surfacing various streets, from A. G. Sherwood, Independence, $33,306.

Missouri — State Hy. Dept., Jefferson City, Sept. 25, from R. M. Davis & Son, Slater, 30 ft., grading 4.802 mi. Paris-Mexico Rd., Audrain Co. $20,361, from D. B. Hill & Co., 204 Thayer St. and R. B. Oliver, 2416 Arch St., Little Rock, Ark., 3.651 mi. road from House Springs north, Jefferson Co., $53,024, from L. Rich Constr. Co., East St. Louis, Ill., 2.757 mi. road from New London south, Ralls Co. $20,163, from Midwest Constr. Co., Kansas City, 2.557 mi. road from New London south, Ralls Co. $20,424, from H. Spitcaufsky, 3229 Victor St., Kansas City, 1.922 mi. roads from Spicard north and south, Grundy Co. $14,020, from C. I. Jones, Mound City, Ill., 2.108 mi. road from House Springs north, Jefferson Co. $10,904, from Tate & Hancock, St. Louis, 0.298 mi. St. Louis-Peverly Rd., Jefferson Co., $3,283; from J. P. Sparks, Kirkwood, 12 ft. gravel surfacing 4.032 mi. St. Charles-Alton Rd., St. Charles Co. $50,190, from Pioneer Constr. Co., New York Life Bldg., Kansas City, 16 ft. gravel surfacing 4.984 mi. Eldorado Springs-Stockton Rd., Cedar Co., $22,856; from E. C. Johnson, Carrollton,

Streets and Roads (Continued)

18 ft. gravel surfacing 4.858 mi. Iowa State Line-Unionville Rd., Putnam Co. $11,008, from Wilson Constr. Co., Warrensburg, 7.534 mi. Piedmont-Marble Hill Rd., Wayne Co. $11,913, from E. E. Hudson, Sikeston, 0.303 mi. road from Jackson north, Cape Girardeau Co. $5,135, from T. J. Morris, Oregon, 3.441 mi. Albany-Enona Rd., Gentry Co., $29,600; from M. E. Gillioz, Monett, 12 ft. chats surfacing Mindenmines-Lamar Rd., Barton Co. $20,-324, 20 ft. gravel surfacing 4.082 mi. St. Louis-Jefferson City Rd., $30,706, 3.879 mi. Gerald-Leslie Rd., $42,545, both in Franklin Co., 4.958 mi. Drake-Rosebud Rd. $34,-495, 3.488 mi. road from Drake west $24,-985, and 4.301 mi. road from Rosebud east and west $28,137, all foregoing in Gasconade Co., from Shultz Constr. Co., Parsons, Kan., 12 ft. chats surfacing 8.349 mi. Mindenmines-Lamar Rd., Barton Co. $74,-610, from R. H. Shark, Reeds Spring, 3.17 mi. road from Greenfield north, Dade Co. $30,339, from Maxwell Constr. Co., Columbus, Kan., 2.661 mi. road from Greenfield north, Dade Co. $30,078, from A. A. Davis & Co., Kansas City, 4.748 mi. Eldorado Springs-Stockton Rd., Cedar Co. $41,641, and from Nevada Constr. Co., Nevada, 4.006 mi. Mindenmines-Lamar Rd., $22,091, and 2.459 mi. road from Mindenmines east and west, $7,013, both in Barton Co. Noted Sept. 17.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, **(C. B. means City Block)** from Progressive Constr. Co., 3630 Chouteau Ave., improving alleys, in C. B. 1562 $2,385, C. B. 1570 $2,767, C. B. 1645 $2,975, C. B. 5364 $2,438, C. B. 5429-A C. B. $896, and C. B. 5429-B $1,558; from Skrainka Constr. Co., Security Bldg., C. B. 3686 $3,868, C. B. 4823, $4,762; and from Perkinson Bros., 3237 Carter Ave., C. B. 4517-N $2,178.

Tex., Beeville — Bee Co., Sept. 25, 1 in. cold rock asphalt surfacing 11.4 mi. State Highway 12, State Aid Project 619, from W. W. Yann, Falfurrias, $51,634. Engrs. est. $60,000. Noted Aug. 20.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks and 6 and 8 in. concrete paving 444,885 sq.ft. Alameda St., from Griffith Co., 502 Los Angeles Ry. Bldg., Los Angeles, $143,819, engrs. est. $154,074; 6 in. concrete paving, etc., 69,-421 sq.yd. Crown Hill Ave., from G. R. Curtis Paving Co., 2440 East 26th St., $21,126, engrs. est. $22,722; 6 and 8 in. concrete paving, etc., 136,762 sq.ft. Central Ave. from G. H. Oswald, 366 East 58th St., $35,757, engrs. est. $39,615.

Calif., Venice—City, 5 and 6 in. concrete paving 313,866 sq.ft. Mildred Ave., from W. F. Crawford, Venice, $86,596; grading, curbing, sidewalks and asphaltic concrete paving 64,600 sq.ft. Lincoln Blvd., from Griffith Co., 502 Los Angeles Ry. Bldg., Los Angeles, $27,569.

CONTRACTS AWARDED

New Hampshire—F. E. Everett, comr. State Hy. Dept., Concord, bituminous macadam paving 2.25 mi. highway in Peterboro, to R. E. Bull, 151 Harrison Ave., Fitchburg, Mass., $70,429, and 0.68 mi. highway in Holderness, to O. W. Fernald, Berlin, $18,322; 40 ft. span rein.-con. T-beam bridge in Randolph, to Ames Constr. Co., 89 Prospect St., Somersworth, $4,353. Grand total $93,104. Noted Oct. 1.

Connecticut — S. A. MacDonald, comr. State Hy. Dept., Hartford, waterbound macadam paving 2.860 ft. Washington-New Preston Rd., in Washington, to Osborne & Barnes, Odd Fellows Bldg., Danbury, $23,-104, 11,700 ft. Lime Rock-South Canaan Rd., in Canaan, to M. A. Gammino Constr. Co., 728 Valy St., Providence, R. I., $147,070, 18,292 ft. Norwich-Willimantic Rd., in Franklin, to A. D. Bridges & Sons, Inc., Hazardville, $140,830, 29,475 ft. Cheshire-Waterbury Rd., to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, $199,401; 7 in. native stone macadam paving 4,300 ft. Shelton-Huntington Rd., in Shelton, to D. V. Frione, 105 Ward St., New Haven, $32,-988; grading 7,895 ft. Boston Post Rd., 20 ft., in Old Saybrook, to Kelleher Bros., Turners Falls, Mass., $28,065; and 1 span 108 ft. steel truss bridge over Shepaug River, at Washington Station in Washington, substructure, to A. Mascetti, Torrington, $12,880, superstructure, to Holbrook Co., Westbrook, $17,197. Grand total $601,-535. Noted Sept. 24 and Oct. 1.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to C. Bennett Contg. Co., 414 Rutland Rd., Brooklyn, grading, curbing and laying sidewalks, etc., on Woodside Ave., etc., $49,388, to Cleveland Trinidad Paving Co., Flushing, Kingsland Ave., etc., $31,841, 161st St. $24,-309, regrading and asphalt paving Queens Blvd., $170,515; to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, curbing, sheet asphalt repaving Queens Blvd., etc., $204,000, sheet asphalt paving 88th Ave., etc., $14,875, and 97th St. $33,965, 103rd St. $24,450; to O'Brien & Kurth, 865 137th St., Jamaica, grading, curbing and paving Kingsland Ave. $5,986; to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing and laying sidewalks, etc., on 51st St. to Corona Ave. $20,551, 94th St. $5,112, to C. H. Georgi, Inc., 15 Ely Ave., Hollywood Ave. $2,546, Polk Ave. $1,952; to Sicilian Asphalt Co., 41 Park Row, New York City, regrading, curbing and sheet asphalt paving Queens Blvd., etc., $158,970; to Peace Bros. Contg. Co., 20 Main St., Flushing, grading, curbing and laying sidewalks, etc., on 88th Ave., $7,040; to Peninsular Contg. Co., Rockaway Beach, grading, sidewalks, gutter spaces, curbing, etc., on Beach Channel Dr. and Beach 95th St. 5th Ward, $2,696; to Vouker Contg. Co., 17 State St., New York City, constructing rip rap embankment along Beach Channel Dr. $46,300. Grand total $803,996. Noted Sept. 24.

N. Y., New York—Dept. Parks, Arsenal Bldg., 64th St. and 5th Ave., F. D. Gallatin, pres., laying walks and asphalt repaving Tompkins St. Park, etc., to Valatia Constr. Co., 15 East 48th St., $29,400; improving 4 park plots in center of 137th St. and Bway., 147th, 148th, 151st, 152nd, 166th and 167th Sts., to Dooley Stapleton Corp., 257 Delphia Pl., Brooklyn, $17,580. Noted Oct. 1.

N. J., Little Silver—Boro Council, concrete paving 1.486 mi. Church St., to C. Sebolt, 16 Richmond St., New Brunswick, $59,529. Noted Sept. 3.

Pa., Pittsburgh — Repaving railroad area on Negley Ave. between Baum Blvd. and Stanton St., to Booth & Flinn Ltd., Forbes St., $34,450. Engrs. est. $35,000.

Maryland—State Hy. Comn., Baltimore, graveling 2 mi. highway from end of Contr. P-36, Prince George Co., Contr. P-49, to Maryland Constr. Co., 12 East Lexington St., Baltimore, $16,212. Noted Sept. 10.

West Virginia — State Roads Comn., Charleston, gravel surfacing 1.5 mi. Nitro-Poca Rd., 16 ft., Putnam Co., to J. F. Muck, Charleston, $11,099; concrete shoulders and resurfacing 6 mi. Williamsport Pike, 16 ft., Berkley Co., to Thomas, Bennett & Hunter, Westminster, Md., $175,455; brick resurfacing 2 mi. National Pike, 24 ft., Ohio Co., to H. L. Seabright Co., 70 43rd St., Wheeling, $48,064; grading 9.3 mi. Long Hollow Rd., 16 ft., Morgan Co., to Polino Constr. Co., Keyser, $78,000. Grand total $312,617. Noted Sept. 10.

W. Va., Philippi—Barbour Co., concrete, limestone and oil surfacing 2.2 mi. Bend of River Rd., Projects 7 and 11, and oil on limestone surfacing 7.5 mi. Morrall Rd., Projects 6, and 6-A-B, to Branham & Edwards Constr. Co., Clarksburg, $64,084 and $50,972 respectively; 1.8 mi. Brushy Fork Rd., Project 5, to J. Cain, Elkins, $31,910. Grand total $146,966. Noted Sept. 10.

North Carolina—State Hy. Dept., Raleigh, will grade and pave with concrete 4 mi. Project 204, $120,000, and 1.8 mi. Project 217, $54,000, both 18 ft., Craven Co., by day labor.

N. C., Elizabeth City — Pasquotank Co., grading and hardsurfacing 3½ mi. road between Old Weeksville and Simonds Creek, to E. L. Williams, 12 Nebraska St., Norfolk, Va., $65,591.

N. C., Graham—City, improving various streets, 7,430 sq.yd. paving, 5,160 sq.yd. old pavements broken up and removed, etc., to Ziegler Bros., Greensboro, $24,000. Noted Sept. 17.

Ala., Birmingham—City, **(e. e. means engineers estimate)**, asphalt surfacing 5 blocks 7th St. S. W., 30 ft., to H. H. Bowdry, Farley Bldg., $34,050 e. e. $47,000; 6 blocks 2nd Ave. S. and 2 blocks 29th St. S., both 30 ft., to Federal Asphalt Paving Co., Brown-Marks Bldg., $16,444 and $1,744 respectively, e. e. $40,450 and $2,050 respectively; 4 blocks North 21st St., 30 ft., to Southern Roads Co., 104 North 17th St., $32,137 e. e. $42,220; 2 blocks 14th St., 30 ft., to Dunn Constr. Co., Lincoln Life Bldg., $4,431 e. e. $5,100; 1 block 49th St., Ensley, 30 ft., to A. H. Dimijian, Woodward Bldg., $1,877 e. e. $2,000; 3 blocks 16th St., 35 ft., to Holt & Rast, Brown-Marks Bldg., $16,613 e. e. $20,150; 2 blocks Central Park Highlands, Ave. V, Ensley, 30 ft., and 1 block Huntsville Rd., 40 ft., to J. L. McPoland, 831 Woodland Ave., $8,011 and $1,195 respectively, e. e. $9,000 and $1,300 respectively; 5 blocks 6th Ave. S. and chert surfacing 8 blocks 49th St., both 30 ft., to Independent Paving Co., Amer. Trust Bldg., $11,005 and $8,497 respectively, e. e. $12,000 and $9,200 respectively. Grand total $136,004.

Miss., Armory—Concrete curbing, guttering, sidewalks and bituminous surfacing 9,500 sq.yd. various streets, to Walker & Hornaday, Shrine Bldg., Memphis, Tenn. Noted Sept. 10.

Miss., Greenville—Washington Co., grading, etc., 4.79 mi. Federal Aid Project 59, to S. K. Jones Constr. Co., Rand Bldg., Memphis, Tenn., $15,571. Noted Sept. 3.

Miss., Quitman — Clarke Co., improving 1.855 mi. Meridian-Laurel Rd., Federal Aid Project 180-A, 16,141 cu.yd. excav., 12,944 cu.yd. borrow, etc. and 120 ft. steel bridge, incl. 12,420 lb. reinforcing, 4,284 ft. untreated and 125,460 cu.yd. creosoted timber, etc., to J. A. and H. E. Pigford, Russell, $46,000.

Miss., Rolling Fork—Sharkey Co., grading, gravel surfacing, etc., 7.458 mi. Federal Aid Project 50-C, to F. C. Morgan, 709 Lemcke Bldg., Indianapolis, Ind., $59,324. Noted Oct. 1.

Tenn., Memphis — Shelby Co., concrete paving, curbing, etc., Cooper St. from Madison St. to Poplar Ave., to G. W. Turner, 280 Ayers St. Engrs. est. $37,481.

O., Akron—W. F. Peters, dir. Pub. Serv., improving Delaware Ave. et al., 25,000 sq. yd. vitr. brick, 16,000 lin.ft. stone curbing, 12,950 lin.ft. armored cable, 91,300 sq.ft. 4 in. concrete sidewalks, 38,200 cu.yd. earth excav., also boulevard street lighting system, to T. E. McShaffrey Constr. Co., 173 South Forge St., $180,781. Engrs. est. $277,000.

O., Canton—Asphalt paving about 1 mi. 16th St. N. E., 16 ft., to R. E. Cash Asphalt Paving Co., Spring Grove Ave. and Monmouth St., Cincinnati, $25,621. Engrs. est. $30,000.

O., Dayton—G. F. Baker, dir. Pub. Serv., to J. Heier, 415 Hopeland St., curbing, guttering, vitr. brick, asphalt and concrete paving Germantown St. $35,171, Edwards Ave. $16,679 and Leo St. $4,892; to Andrews Asphalt Paving Co., Hamilton, Superior Ave. $34,832. Grand total $91,574. Engrs. est. $136,000. Noted Sept. 17.

Ind., Crown Point — Lake Co., **(e. e. means engrs. est.)**, hardsurfacing 2.1 mi. Wise Rd., 18 ft., to J. W. Wheeler, Crown Point, $54,780 e. e. $60,000, 1.9 mi. Joseph Carl Rd., 18 ft., to A. L. Courtright & Son, Crown Point, $50,900 e. e. $55,000, 1.6 mi. Walleski Rd., 18 ft., to W. F. Black, Lowell, $42,760 e. e. $45,000; concrete paving 2.5 mi. Hemstock Rd., 50 ft., to J. J. Nedyl, Whiting, $230,000. Grand total $378,440. Noted Aug. 7.

Ind., Indianapolis—Marion Co., hardsurfacing 2.15 mi. Hanna Ave., 18 ft., to Emulsified Asphalt Co., Hume-Mansur Bldg., $55,084. Engrs. est. $60,000.

Ind., Rushville — Rush Co., concrete paving 1.3 mi. 11th St. Rd., 18 ft., to A. E. Weintraut, Waldron, $34,900. Engrs. est. $37,000.

Michigan — State Hy. Dept. at office Comrs. Eaton Co., Charlotte, concrete paving 1.212 mi. State Trunk Line Rd. 29-1B, to E. Cosens, Levering, $31,251. Noted Sept. 17.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Free Press Bldg., 3½ in. sheet asphalt on 8 in. concrete paving 2,451 sq. yd. Doyle Ave. $11,576, 3,055 sq.yd. Caely Ave. $14,241, 9,852 sq.yd. Sylvester Ave. $44,907, 4,288 sq.yd. Duane Ave. $19,818, 1,514 sq.yd. Radcliffe Ave. $7,191, 3,632 sq.yd. Lawton Ave. $17,302, 4,309 sq.yd. Collingwood Ave. $19,968, 3,263 sq.yd. Monte Vista Ave. $14,539, 611 sq.yd. Trowbridge Ave. $3,063, 5,259 sq.yd. Northlawn Ave., Sect. 1 $23,712, 4,219 sq.yd. Northlawn Ave., Sect. 2 $18,612, 8,402 sq.yd. Ferndale Ave. $34,645, 3,099 sq.yd. Prairie Ave. $13,917, 6,049 sq.yd. Washburn Ave. $26,378, Lawton Ave. from Thomas to Boston Blvd. $8,596, Freeland Ave. from Grand River to Lyndon St. $35,923, Mark Twain Ave. between above streets $36,703, Strathmoor Ave. between above streets $33,631, Monnier Rd. from Grand River St. to Pennsylvania R.R. line $58,012, Meyers Ave. between above streets $94,480; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., Buena Vista Ave. from Monica St. to Detroit Terminal R.R. $23,871. Grand total $561,085. Noted Sept. 10 and 24.

Mich., Royal Oak — Concrete paving Longfellow Ave. and Irving St., to R. D. Baker Constr. Co., 1454 Penobscot Bldg., Detroit, $25,000.

Ill., East St. Louis—Grading and concrete surfacing 2,450 sq.yd. 9th St. and 8,100 sq.yd. 40th St., to L. Rich & Sons, 1530 Winstanley Ave., $12,448 and $34,672 respectively. Noted Sept. 17.

Ill., Madison—Grading, curbing and asphalt and concrete surfacing State St., to Concord Constr. Co., Josephine Bldg., East St. Louis, approximately $58,000.

Streets and Roads (Continued)

Wis., Merrill—To Welsh Paving Corp., 703 1st Natl. Soo Line Bldg., Minneapolis, Minn., improving 2nd and Main Sts., 17,142 sq.yd. vibrolithic concrete paving at $1.50 per sq.yd., 4,819 cu.yd. excav. at $0.75.

Wis., Milwaukee—Dept. Pub. Wks., to R. H. Gumz, 813 13th Ave., vibrolithic concrete paving Hayes Ave. $6,195, Reed St. $10,240, concrete curbing and guttering and walks on Rose Hill Pl. $3,487; to A. E. Retzlaff, 868 Island Ave., vibrolithic concrete paving Cherry St. $2,717, to Kroening Constr. Co., 39th Ave. and Mitchell St., Vliet St. $37,277, concrete curbing and guttering Wilson St. $932, to J. Schweitzer, 79 Wisconsin St., 47th St. $2,311; to White Constr. Co., 68 Wisconsin St., asphalt resurfacing Lake St. $3,064, and to Badger Constr. Co., 79 Wisconsin St., Lisbon Ave. $10,730. Grand total $76,953. Noted Sept. 24.

Ia., Corning—Adams Co., improving 6.162 mi. Federal Aid Projects 227 and 227-B, 158,316 yd. excav., 161,520 yd. overhaul, 210 ft. 15- to 24-in. vitr. clay pipe, for Sect. 227, to G. W. Condon, 415 Farnum Bldg., Omaha, Neb., $38,126; 12 box and 14 circular culverts, for Sect. 227-B, to B. O. Akin, Corning, $32,446; 1 I-beam and 1 pony truss bridge, to Snyder & Johnson, Humboldt, $28,196. Grand total $98,768.

Ia., Marengo—Iowa Co., improving 26.255 mi. Primary Road 7, gravel surfacing, to Hahn Muscatine Co., Muscatine, $57,077; hauling, to A. R. Eno, Havelock, $14,871.

Minn., Albert Lea—C. Holway, aud. Freeborn Co., grading 85,700 cu.yd. State Aid Project 24-09, Sect. 2, State Rd. 9, to O'Malley & Trybom, 509 Globe Bldg., Minneapolis, $24,729; and 30 000 cu.yd. State Aid Project 24-18, State Rd. 18, to O. C. Nelson, Albert Lea, $7,910. Noted Aug. 27.

Kan., Baldwin City—Brick surfacing 17,520 sq.yd. various streets, to Cook & Stucker, Ottawa, approximately $58,000.

Kan., Kansas City—Wyandotte Co., vibrolithic surfacing 1.005 mi. Westermeyer Rd., 18 ft., to Davidson Bros., 2958 30th St., Kansas City, Mo., $42,169. O. K. Williams, co. engr. Noted Sept. 3.

Neb., Rulo—City Clerk, gravel surfacing, etc., 3,400 sq.yd. in Dist. 1, 27,000 sq.yd. in Dist. 2, and 8,300 sq.yd. in Dist. 3, to Abel Constr. Co., 318 Terminal Bldg., Lincoln. Noted Sept. 3.

Neb., Wilber—W. M. Spokec, city clk., grading, curbing, Warrenite bitulithic paving, etc., 14,500 sq.yd. in Dist. 6, to Abel Constr. Co., 308 Terminal Bldg., Lincoln.

Montana — State Hy. Comn., Helena, grading, surfacing, etc., 2.25 mi. Yellowstone Trail over Bull Mountain, Yellowstone Co., to J. W. Hershberger, Hardin, $33,055.

Mo., Kansas City—Paving Linwood Blvd. between Hunter Blvd. and Gillham Rd., to Tyner Constr. Co., 14th and Elmwood Sts., $206,170. Noted July 16.

Mo., Lebanon — W. E. Ford, city clk., grading, curbing, asphaltic concrete paving, etc., 16,500 sq.yd. various streets, also 2,500 ft. ¾ in. galvanized w.i. and 1,130 ft. 1, 2 and 4 in. c.i. pipe for water distribution system, to C. A. Moreno, Syndicate Trust Bldg., St. Louis, $24,640 and $3,574 respectively. Noted Sept. 17.

Mo., Louisiana — Paving approximately 20 blocks various streets, to Duncan Constr. Co., Louisiana, $65,440. Noted Sept. 3.

Mo., Maryville — E. T. Archer & Co., engrs., 609 New England Natl. Bank Bldg., Kansas City, to Cook & O'Brien, Kaw City, Kan., improving 5 blocks various streets, here, paving $2.72 per sq.yd., curbing $0.55, and excav. $0.65, for City. Noted Sept. 10.

Ark., Hot Springs—Grading, curbing and 6 in. rein.-con. surfacing various streets in Dist. 84, to T. A. Rosamond, Hot Springs, $25,602.

Ark., Little Rock—Grading, curbing and 6 in. concrete surfacing various streets in Paving Dist. 370, to Grady Garms, 430 Southern Trust Bldg., $42,478.

Tex., Anson—Jones Co., grading, bridging, sledged and bituminous concrete paving 15.79 mi. State Highway 83, 18 ft., State Aid Project 598-B, also grading, bridging and bitumino s macadam paving 15.73 mi. State Highway 83, State Aid Project 598-A, to Tibbetts Constr. Co., Joseph Bldg., Fort Worth, $333,150 and $259,071 respectively. Engrs. est. $360,000 and $275,000 respectively. Noted June 4 and Sept. 10.

Tex., Madisonville—Madison Co., clearing, grading and bridging 10.18 mi. State Highway 2, Federal Aid Project 486-A, 26 ft., incl. 72,105 cu.yd. roadway and 48,089 cu.yd. borrow excav., 24,468 ft. treated and 26,400 ft. untreated timber, etc., to Smith-Boyett Co., Bryan, $59,597. Engrs. est. $65,000. Noted Sept. 24.

Tex., Memphis — Hall Co., grading and bridging 11.57 mi. State Highway 5, Federal Aid Project 438-F, 26 ft., incl. 113,214 lb. reinforcing, to McClung Constr. Co., Cleburne, $63,792. Engrs. est. $70,000. Noted Sept. 24.

Tex., Wichita Falls—Hardsurfacing portion of 16th St., to L. E. Whitham & Co., $3 per sq.yd. Engrs. est. $27,000.

Okla., Blackwell—Paving 12 blocks various streets, to M. A. Swatek & Co., 519½ Main St., Oklahoma City, $65,617.

Okla., Fairview—Grading and concrete surfacing 9,350 sq.yd. Main St., to M. A. Swatek & Co., 619 West Main St., Oklahoma City, $28,465. Engrs. est. $30,000. Noted Sept. 10.

Okla., Norman — Improving 11 blocks Dist. 35, 6,800 lin.ft. curbing, 6,600 cu.yd. excav., 19,315 sq.yd. concrete, to E. B. Tibbets, Continental Bldg., Oklahoma City, $59,316. Engrs. est. $63,000.

Idaho—State Hy. Dept., Boise, to Morrison & Knudson, Railroad and Reclamation Ave., Boise, improving 5.075 mi. Old Oregon Trail between Nampa and Caldwell, Canyon Co., 10,572 cu.yd. excav. at $0.40 per cu.yd., 1,000 cu.yd. gravel subbase $1.50, 3,749 cu.yd. crushed gravel shoulders $1.85, 53,604 sq.yd. bituminous concrete paving, $1.92, etc., total $121,831.

Calif., Alhambra — Curbing, guttering, sidewalks, and 2½ in. oil macadam paving Westminster Ave., Avandale Dr., etc., to R. P. Law, 6115 Delphi St., Los Angeles, $41,345.

Calif., Hermosa—Concrete sidewalks, incl. lights, on portion of The Strand west of Shakespeare Beach, to B. C. Nichols, 1216 Manhattan Ave., Manhattan Beach, $25,900.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks, and concrete paving Avenue 26 and Manchester Ave to G. H. Oswald, 366 East 58th St., $33,910 and $28,850 respectively; Burdau Ave., to J. and P. Cristich, 1817 East 3rd St., $124,678. Grand total $187,438. Noted Sept. 24.

Calif., Los Angeles — Bd. Pub. Wks., grading, curbing, guttering sidewalks, and 1½ in. National on 3½ in. asphaltic concrete paving 527,502 sq.ft. Westview St., to Braun, Bryant & Austin, P. O. Box 477, Inglewood, $233,360.

Calif., Maywood—Grading, curbing, guttering and concrete paving 233,600 sq.ft. Slauson Ave., to G. R. Curtis Co., 2440 East 26th St., Los Angeles, $88,509. Engrs. est. $91,127.

Calif., San Diego — Grading, curbing, guttering and 1½ in. asphalt on 4 in. concrete paving 384,964 sq.ft. L St., to Griffith Co., 25 14th St., $101,653; also 2 in. asphalt on 5 in. concrete paving, etc. 69,976 sq.ft. Juniper St., to G. R. Daly, 4430 Boundary St., $21,119. Noted Sept. 24.

Calif., San Diego — Common Council, grading, curbing, guttering, sidewalks, and ½ in. asphaltic concrete on 2½ in. bituminous paving Wing St., Chatsworth Blvd., etc., to Hazard Contg. Co., 2548 Kettner Blvd., $134,197. Noted Aug. 20.

Calif., San Dimas — Bd. Supervs. Los Angeles Co. (Los Angeles), grading, curbing, guttering, sidewalks and oiling various streets, here, to W. Haight, 260 South Pacific Blvd., Huntington Park, $105,305. Noted Sept. 3 under "Los Angeles."

Wash., Bremerton—Concrete paving, etc. 6th St. between Washington and Chester Sts., to R. L. Rowland & Co., 620 Olympic Pl., Seattle, $40,645. Noted Sept. 3.

Buildings—Industrial

PROPOSED WORK

N. J., Camden — PLANT — Campbell Soup Co., 32 North Front St., plans new plant addition, $2,000,000, also pier and bulkhead, $500,000. Engineer and architect not selected.

O., Alliance—FACTORY—Alliance Toy & Specialty Co., plans 1 story factory. $50,000.

O., Barberton—POWER PLANT—Columbia Chemical Co., plans power plant. $200,000.

O., Cincinnati—REPAIR SHOP—Sieve & Lange Co., 3741 Warsaw Ave., having plans prepared by Rendigs, Panzer & Martin, 609 Southern Ohio Bank Bldg., 1 story, 110 x 140 ft., brick, Harrison Ave. $60,000.

O., Cleveland — FACTORY — Cleveland Range Co., F. A. Hensinger, secy., 519 Huron Rd., plans brick and steel factory. To exceed $40,000. Engineer and architect not selected.

O., Cleveland — PRINTING PLANT — Caxton Co., D. L. Smith, pres., 715 Caxton Bldg., plans brick printing plant, Lakeside Ave. $75,000. Wilbur, Watson & associates, Cook Bldg., archts.

Mo., Kansas City — POWER PLANT, etc. — See "Dams."

Mo., St. Louis—CAR WHEEL PLANT—Southern Wheel Co., Keystone Blk., Pittsburgh, Pa., making preliminary surveys group rein.-con. and brick buildings, on 6.22 acre site, Goodfellow St. and Terminal R.R. tracks, here. $250,000.

Tex., Victoria — ICE PLANT — S. M. Udden, mgr. Victoria Electric & Ice Co., 120 Frost Bldg., San Antonio, soon lets contract 1 story, concrete, brick and steel plant, here. $40,000. J. Marriott, Frost Bldg., San Antonio, engr. and archt.

Que., Limoilou—PAPER MILL—Ang o-Canadian Pulp & Paper Mill Co., c/o Gulf Pulp & Paper Co., 71 St. Peter St., Quebec, having preliminary plans prepared for paper mill, here. $15,000,000. G. F. Hardy, 309 Bway., New York City, N. Y., engr.

BIDS DESIRED

Mass., Dorchester (Boston P. O.) — Thompson Wire Co., 41 Mildred Ave., taking bids 1 story, rein.-con., brick and steel, Mildred Ave. $40,000. Brainerd & Leeds, 89 Franklin St., Boston, archts. Noted Oct. 1.

Mass., Newburyport—FACTORY—Towle Mfg. Co., 260 Merrimac St., taking bids 3 story, 32 x 100 ft., brick and steel, Merrimac St. $40,000. G. Perkins, 200 Devonshire St., Boston, engr.

N. Y., Coney Island (sta. Brooklyn) — REPAIR SHOP — Oct. 22, by Bd. Transportation, 45 Lafayette St., New York City, repair shop on city property, here.

N. Y., Brooklyn—Oct. 16, by J. A. Guider, boro pres., Boro Hall, combined sewers in Flatlands Ave. and East 94th St., etc.

N. Y., Long Island City—Oct. 13, by M. E. Connolly, pres. Queen Boro, Queens Subway Bldg., sewers, etc. in Pierce Ave., 1st Ward; Woodside Ave., 2nd Ward; Lancaster and Beechurst Aves., 3rd Ward.

N. J., Camden — ICE CREAM and BAKERY—Oct. 10, by H. A. Allen, 526 Stephen St., 3 story and basement, 20 x 145 ft., and 2 story and basement, 40 x 40 ft., brick and steel, plain foundation, for B. C. Foulon, 56 Federal St.

Md., Baltimore—BAKERY—Oct. 21, by C. B. Comstock, archt., 110 West 40th St., New York City, 3 story and basement, 151 x 391 ft., rein.-con., plain foundation. Lanvale Ave., here, for Ward Baking Co., 362 Southern Blvd., New York City. $1,000,000. Noted July 16.

Mo., St. Louis—SERVICE—See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Somerville (Boston P. O.) — PLANT — Ford Motor Co., E. Ford, pres., Highland Park, Detroit, Mich., 1 story, 301 x 1130 ft., rein.-con., brick and steel assembling plant, incl. 1 story, 63 x 69 ft. power house and 1 story, 61 x 113 ft. oil plant, to Blair Constr. Co., Detroit, Mich., and Rand Bldg., Memphis, Tenn. Archts. est. $4,000,000. Noted Aug. 7.

Md., Baltimore — BAKERY — General Baking Co., 342 Madison Ave., New York City, 2 story and basement, 228 x 239 x 263 ft., rein.-con. and brick, plain foundation, Harford and North American Aves., here, to M. A. Long Co., 10 West Chase St., Baltimore, $650,000. Noted Sept. 3.

La., New Orleans — FACTORY — A. W. Norman, archt., Louisiana Bldg., 3 story brick and timber factory, to J. Fromberz, Inc., Title Guarantee Bldg., for O. F. Briede, Jr., Gird and Constance Sts. Approximately $50 000.

Tenn., Nashville—ICE PLANT—Noel & Co., Ice & Cold Storage Co., 607 10th Ave. N. (2nd unit), 8 story ice and cold storage, 10th Ave. S., to Gould Constr. Co., Independent Life Bldg., $500,000.

O., Cleveland — SWITCH HOUSE — Cleveland Electric Illuminating Co., c/o E. J. Cook, engr. of construction, Illuminating Bldg., 4 story and basement, 36 x 170 ft., brick, steel and concrete, East 72nd St., to J. Gill & Sons, Bulkley Bldg. Archts. est. $175,000. Noted Aug. 27.

O., Lakewood (Cleveland P. O.) — ELECTRIC SUB-STATION — Cleveland Electric Illuminating Co., E. J. Cook, engr. of construction, Illuminating Bldg., Cleveland, 1 story and basement, 61 x 106 ft., brick and rein.-con., Athens Ave., here, to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $110,000. Noted Aug. 27 under "Cleveland."

Ill., Chicago — FACTORY — Waterway Paper Products Co., 3201-09 South Kedzie Ave., 2 story, rein.-con. addition to plant, on 600 x 600 ft. site, to Schmidt Bros. Constr. Co., 22 East Huron St. Archts. est. $75,000.

Wis., Kaukauna — HYDRO-ELECTRIC POWER PLANT—Green Bay & Mississippi Canal Co., Insurance Bldg., Appleton, 1 story, 40 x 170 ft., concrete and brick, plain foundation, here, to C. R. Meyer & Sons Co., 50 State St., Oshkosh.

Buildings—Industrial (Continued)

Kan., Marysville — ROUND HOUSE — Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., R. L. Huntley, ch. engr., 10 stall, rein.-con. and brick round house, here, to Amer. Constr. Co., Sunderland Bldg., Omaha, Neb., approximately $70,000.

Minn., Minneapolis—FACTORY—Minneapolis Society for Blind, 630 Marquette Ave., general contract 2 story and basement, rein.-con. and brick, 2835 Nicollet Ave., to Pike & Cook, 416 South 5th St. Archts. total est. about $40,000.

Minn., St. Paul — FACTORY — Brown & Bigelow, Quality Park, University Ave., general contract 3 story and basement, 80 x 300 ft., rein.-con., brick and terra cotta, Quality Park, University Ave., to J. Leck Co., 211 South 11th St., Minneapolis, Archts. total est. about $250,000.

Mo., Kansas City—FACTORY—Shepard & Wiser, archts., R. A. Long Bldg., 4 story and basement, 70 x 115 ft., rein.-con. and brick, 22nd St. and Grand Ave., to Manhattan Constr. Co., 616 Pioneer Trust Bldg., for Carnie Gouldie Mfg. Co. Archts. est. $100,000. Noted Aug. 27.

Mo., St. Louis—SERVICE—Terminal R.R. Assn., c/o Union Station, will build 2 story, 20 x 500 ft., rein.-con. and brick, Scott Ave., by day labor. $45,000.

Mo., Troy — RUBBER PRODUCTS FACTORY — Climax Specialty Co., 1515 Pine St., St. Louis, 1 story, 80 x 100 ft., brick and concrete, here, to Trowbridge & Causin, Hannibal. Archts. est. $40,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — HOME — Old Peoples Home, M. Morse, chn., Hotel Avery, having revised plans prepared by Krokyn, Browne & Rosenstein, 220 Devonshire St., 3 story and basement, 70 x 90 ft. home, two 30 x 90 ft. dormitories, rein.-con. and brick, plain foundation, King, Queen and Train Sts., Dorchester. $500,000. Former bids rejected. Noted Sept. 10.

Mass., Cambridge (Boston P. O.) — STATION — Boston Elevated R.R. Co., Park Sq., Bldg., Boston, having plans prepared by A. J. Blackburn, c/o owners, rein.-con. surface station, Harvard Sq., here. To exceed $150,000.

Mass., Fall River—GARAGE—Web Oil Co., 8 Durfee St., having plans prepared by N. Chase, 167 Bedford St., 2 story, 105 x 120 x 140 ft., rein.-con. and steel garage. $165,000.

Mass., Marlboro—BANK and OFFICE—Peoples Natl. Bank, S. R. Stevens, pres., rejected bids 2 story and basement 30 x 50 x 100 ft., rein.-con., brick and steel bank and office. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted Aug. 27.

Conn., West Haven (br. of New Haven) —STORE—H. Feldman, 129 Church St., New Haven, had plans prepared by Shiner & Appel, 185 Church St., New Haven, 2 story and basement, 72 x 110 ft., brick, steel and cast stone, Campbell Ave. $150,000.

N. Y., Brooklyn—APARTMENT—Owner, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., New York City, having plans prepared 6 story, brick, steel and stone, plain foundation, Flatbush Ave. and Maple St. $200,000.

N. Y., New York — APARTMENT — Owner, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., soon takes bids 6 story, brick, steel and stone, plain foundation, Harrison Ave. $250,000.

N. Y., New York—APARTMENT—Two Hundred and Seven West 106th St., Inc., c/o Sugarman & Berger, archts. and engrs., 345 Madison Ave., had plans prepared 15 story, brick, steel and stone, plain foundation, 203 West 106th St. $600,000.

N. Y., New York — APARTMENT — Eight Hundred Ten Fifth Ave. Corp., c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared 13 story, 50 x 100 ft., brick, steel and stone, plain foundation, 810 5th Ave. $450,000.

N. Y., New York—APARTMENT—Lion Brewery of New York, c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared 13 story, brick, steel and stone, plain foundation, 988 5th Ave.

N. Y., New York — APARTMENT — Ninety-Third St. and Fifth Ave. Corp., c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared 14 story, 100 x 142 ft., brick, steel and stone, plain foundation, 1116 5th Ave.

N. Y., New York — APARTMENT — Syndicate, headed by G. M. Heckscher, 50 East 42nd St., plans 56 story, brick, steel and stone, plain foundation, 5th Ave. between 57th and 58th Sts. $25,000,000.

N. Y., New York City—CLUB HOUSE—Knights of Columbus, 2605 Grand Concourse, having plans prepared by W. A. Giesen, archt. and engr., 63 East Tremont Ave., 2 story, brick, steel and stone, plain foundation, Grand Concourse. $200,000.

N. Y., New York—HOTEL—A. Brisbane, 238 William St., soon takes bids 15 story hotel, West 54th St. $1,500,000. G. B. Post, 101 Park Ave., archt. E. Roth, 119 West 40th St., associated archt.

N. Y., New York—HOTEL—Schuyler Sq. Realty Co., c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared brick, steel and stone, plain foundation, 112 West 59th St. $900,000.

N. Y., New York — HOTEL — Twenty-Three West 73rd St. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., having plans prepared 15 story, 90 x 215 ft., brick, steel and stone, plain foundation, 21 West 73rd St. $2,500,000.

N. Y., New York—LOFT—Buyers Holding Corp., c/o A. P. Hess, archt. and engr., 345 Madison Ave., having plans prepared 20 story, brick, steel and stone, plain foundation, 316 7th Ave.

N. Y., New York City — OFFICE — Phipps Estate, 787 5th Ave., having plans prepared by Cross & Cross, archts. and engrs., 385 Madison Ave., 16 story, brick, steel and stone, plain foundation, 5th Ave. and 47th Sts.

N. Y., New York — OFFICE — Bryant Park, Inc., 17 West 42nd St., W. J. Salmon, pres., having plans prepared by York & Sawyer, 100 East 42nd St., 15 story, brick, steel and stone, plain foundation, 6th Ave. and 42nd St. $1,500,000. C. R. Peace, 70 East 45th St., engr.

N. J., Elizabeth — HOSPITAL — St. Elizabeth Hospital, 204 South Broad St., having plans prepared by C. G. Poggi, 275 Morris Ave., new hospital annex. $400,000. Crow, Lewis & Wick, 200 5th Ave., New York City, engrs.

Pa., Pittsburgh — POLICE STATION — City, c/o Dept. Pub. Wks., having plans prepared by R. Neff, City Hall, 6 story and basement, 46 x 100 ft., brick and steel, 5th Ave. and Short St. Noted Jan. 29.

Tenn., Memphis—BANK and OFFICE—Liberty Trust & Savings Bank, Porter Bldg., had plans prepared by Jones & Furbringer, Porter Bldg., new 12 story building or remodeling building occupied by Memphis Power & Light Co., 12 South 2nd St.

Ky., Ashland—HOTEL—L. Taschell and T. Gresham, 2330 Monument Ave., Richmond, Va., having plans prepared by Wysong & Bengston, Professional Bldg., Charleston, W. Va., 11 story hotel, 13th St., here. $500,000.

Ky., Louisville — APARTMENT — G. E. Zimmerman, archt., Meyer-Kiser Bank, Indianapolis, Ind., preparing plans 6 story and basement brick and steel, plain foundation, here. $250,000. Owner's name withheld.

O., Akron — HOTEL — Akron Hotel Co., Akron, plans addition, Main and Market Sts. $300,000. M. O'Neil, West Market and Maplewood Sts., pres.

O., Canton—SANITORIUM—Bd. Comrs. Stark Co., election Nov. 3, $735,000 bonds, brick and steel tuberculosis sanitorium, incl. main building, 2 wings, nurses home, boiler room, laundry, garage, etc.

O., Cleveland—GARAGE—Green Cab Co., c/o A. Waite, 1618 Walnut Ave., had plans prepared by Ohio Eng. Co., Seidman Bldg., 3 story and basement, 110 x 120 ft., brick and rein.-con., Oregon Ave. $200,000.

O., Cleveland — OFFICE and DORMITORY — City, F. S. Harmon, dir. Pub. Welfare, City Hall, having plans prepared by H. Kregelius, City Hall, 2 story, brick, steel and concrete at Girls Farm. $265,000.

O., Ravenna—COURT HOUSE—Portage Co. election Nov. 3, $175,000 bonds 2 story, brick and concrete court house addition. Noted Sept. 17.

Ind., Gary — APARTMENT — A. E. Deutsch, 522 Bway., plans 3 story and basement, brick and steel, concrete pile foundation, Washington St. $350,000. Private plans.

Ind., Gary — APARTMENT — Roper, Brown & Schroeder having plans prepared by J. Wildermuth, 673 Bway., 3 story and basement, 45 x 120 ft., brick and rein.-con., plain foundation, 36th St. $150,000.

Ind., Indianapolis — APARTMENT — E. M. Schofield, State Life Bldg., having plans prepared by C. Hughes, 911 East 44th St., 4 story and basement, rein.-con. and brick, concrete pile foundation, 28th St. $150,000.

Ind., Indianapolis — APARTMENT — Forest Row, Inc., Peoples Bank Bldg., plans 3 story and basement, brick and steel, Keystone St. $300,000. Private plans.

Ind., Indianapolis — GARAGE — I. Holmes, Amer. Central Life Bldg., plans 2 story and basement, brick and steel, Alabama St. $300,000. Private plans.

Ind., Indianapolis—THEATRE—R. Lockwood, 4179 College Ave., plans 2 story and basement, 40 x 160 ft., rein.-con. and brick, plain foundation, College Ave. $150,000. Private plans.

Mich., Detroit — HOTEL — L. Kamper & R. L. Spitzley, c/o L. Kamper, Archt., Kamper Bldg., Cass Ave., having plans prepared 15 story and basement, 112 x 246 ft., rein.-con. and brick, Woodward and Adelaide Sts. $2,500,000.

Mich., Detroit—OFFICE and WAREHOUSE—G. F. Cordner, archt., 415 Brainard St., takes bids about Oct. 15, 1 and 2 story, 204 x 360 ft., rein.-con., brick and steel, Linwood Ave., for Morgan Sash & Door Co., 7400 Russell St.

Ill., Chicago—AGRICULTURAL MART —Whiting & Co., 400 North Michigan Ave., plans 34 story, 300 x 810 ft. agricultural mart east of Michigan Ave. and South of River over railroad right-of-way. $35,000,000.

Ill., Chicago—CLUB—Schmidt, Garden & Martin, archts., 104 South Michigan Ave., take bids about Oct. 15, 6 story, 70 x 190 ft. addition, 12 South Michigan Ave., for Chicago Athletic Club, 12 South Michigan Ave.

Ill., Chicago—CLUB—Lindblad & Carlson, archts., 155 North Clark St., takes bids about Oct. 15, 3 story and basement, 100 x 150 ft. club building, incl. auditorium, bowling alleys, etc., plain foundation, West 69th St. and Emerald Ave., for Independent Order of Vikings, O. G. Nelson, pres., 727 Maple Ave., Blue Island. $350,000.

Ill., Chicago — HOTEL — Hooper & Janusch, archts., 879 North State St., take bids about Nov. 1, 13 story and basement, 104 x 119 ft., rein.-con. and brick, Sedgwick St. and Webster Ave., for R. Matteson, 879 North State St. $2,000,000. Noted May 14.

Ill., Glen Ellyn — TEMPLE and THEATRE — E. F. Behrns, archt., 605 North Michigan Ave., Chicago, takes bids about Nov. 5, 2 story, 125 x 212 ft., rein.-con. and brick, plain foundation, South Main St., here, for Glen Ellyn Masonic Temple Assn. $160,000. Noted Oct. 1.

Mo., Kansas City—WHOLESALE MARKET—Riverside Storage Co., 400 Victor Bldg., had preliminary plans prepared by C. A. Smith, 800 Finance Bldg., 1 story and basement, and 5 story and basement, 4,800,000 sq.yd. floor space, rein.-con. and brick wholesale market. $1,000,000.

Mo., St. Louis—COURT—City takes bids in November, 12 story with 80 ft. tower, rein.-con., brick, stone, steel and terra cotta, Plaza St. $4,000,000. Memorial Plaza Comn., c/o Bd. Pub. Serv., archt. and engrs.

Mo., St. Louis—GARAGE and REPAIR SHOP—G. T. Burdeau Realty Co., 801 Chestnut St., soon takes bids 2 story, rein.-con., brick and stone, Delmar Blvd. and Rosedale St. $250,000. Private plans. Peoples Motorbus Co., 3615 Forest Park Blvd., lessee.

Tex., San Antonio — COURTHOUSE — Bexar Co., A. McCloskey, judge, having plans prepared by Phelps & Dewees, Gunter Bldg., and Jackson & Willis, Builders Exch. Bldg., archts. and engrs., remodeling present building and constructing 4 story and basement, rein.-con., brick and stone, plain foundation, addition, Dwyer and Dolorosa Sts. $1,500,000. Noted Oct. 1.

Okla., Okemah — COURT HOUSE — Okfuskee Co., election Oct. 26, $200,000 bonds 3 story and basement, 88 x 128 ft., brick, Bway. Engineer and architect not announced. Noted April 30.

Wash., Seattle — THEATRE, OFFICE, etc. — R. C. Reamer, archt., Henry Bldg., preparing plans and takes bids about Oct. 22, 8 story and basement, 120 x 355 ft., fireproof theatre, 3,000 seating capacity, 5th and Union Sts., for 5th Avenue Building Co., Henry Bldg. $1,500,000.

Wis., Milwaukee—THEATRE and BUSINESS—Saxe Amusement Co., 530 Grand Ave., having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., 2 story and basement, concrete, brick and terra cotta, 48th St. and Lisbon Ave. $500,000.

Calif., Los Angeles — HOSPITAL — Los Angeles Co. had preliminary plans prepared by Allied Architects Assn., Citizens Natl. Bank Bldg., 12 to 14 story, 300 x 500 ft., rein.-con. hospital. To exceed $1,000,000.

Calif., Los Angeles—OFFICE, THEATRE, etc. — E. L. Doheoney, and associates, having preliminary plans prepared by Morgan, Walls & Clements, 1124 Van Nuys Bldg., 12 story, 144 x 152 ft., rein.-con., 11th and Hill Sts. $1,000,000.

Buildings—Commercial (Continued)

BIDS DESIRED

Mass., Boston—STORE and OFFICE—A. Rosenthal Estate, 294 Washington St., taking bids 5 story and basement, 45 x 60 ft., rein.-con. and brick, 6-10 Beach St. $160,000. Funk & Wilcox, 26 Pemberton Sq., archts. Noted Oct. 1.

Mass., Boston—THEATRE—I. Sonnabend, 212 Hanover St., taking bids 1 story, 100 x 125 ft., brick and stone theatre $150,000. J. A. Tuck, 439 Park Sq. Bldg., archt. Noted Sept. 24.

Mass., Dorchester (Boston P. O.) — APARTMENT — H. K. Goldstein, 10 Florence St., Boston, taking bids 3 story and basement, rein.-con., brick and stone, 3 units, Wilder St., here. $150,000. Weimbaum & Wexler, 53 Cornhill, Boston, archts.

Mass., Dorchester (Boston P. O.) — APARTMENT—J. Morris, 332 West Bway., South Boston, taking bids 3 story and basement, brick and timber, Fields Corner Dist., here. $200,000. M. Levy, 7 Water St., Boston, archt. Noted Oct. 1.

Mass., Worcester — HOSPITAL — See "Contracts Awarded."

Conn., Hartford—SOCIETY—Oct. 9, by Hartford Aid Society, 52 Sanford St., 3 story, 45 x 150 ft., brick and steel, Sanford St. $150,000. V. W. Tandy, 1929 Bway., New York City, archt.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—HOSPITAL—Oct. 16, at office General Medical Superintendent, Bellevue Hospital, general construction, etc., in connection with general addition to Harlem Hospital, 136th St. and Lenox Ave. J. J. McGrath, pres. Bd. Trustees, Bellevue and Allies Hospitals.

Pa., Bryn Mawr — THEATRE, STORE and OFFICE—See "Contracts Awarded."

Pa., Phila.—OFFICE—Oct. 9, by A. H. Brockie, archt., 254 South 15th St., 5 story and basement, 24 x 146 ft., rein.-con., brick and steel, plain foundation, for Townsend-Whelen Co., 505 Chestnut St. $175,000.

Md., Baltimore—OFFICE—Oct. 19, by Parker, Thomas & Rice, archts., Union Trust Bldg., 6 story and basement, 75 x 175 ft., brick, plain foundation, Charles and Chase Sts., for Mutual Life Insurance Co., 15 South St. $500,000. Noted May 21.

Mich., Menominee — COMMUNITY HOUSE — Menominee Community Building Co., H. Nadeau, secy., taking bids superstructure 4 story and basement, 100 x 202 ft., and 70 x 104 ft., brick and concrete community building. $200,000. D. Hubert, 801 Sheridan Rd., archt. Noted Aug. 27, under "Excavation, Drainage, Irrigation, Levees."

Calif., Long Beach — HOTEL — F. B. Dunn, 2315 East 7th St., taking revised bids 12 story, 125 x 232 ft., brick and terra cotta, Ocean Ave. between Locust St. and Collins Way. $1,000,000. Former bids rejected. Walker & Eisen, 791 Great Republic Bldg., Los Angeles, archts. Noted Sept. 10.

CONTRACTS AWARDED

N. H., Manchester—STORE and OFFICE—H. and L. Dana, 20 Pemberton Sq., Boston, 1 and 2 story, 50 x 100 ft., brick and stone, to Davison & Swanberg, 57 Amherst St., Manchester. Archts. est. $150,000. Noted Sept. 17.

Mass., Malden — THEATRE — Ramsdell Bros., Orpheum Theatre, 1 and 2 story, 130 x 180 ft., rein.-con., brick and steel, Dartmouth St., to J. Gascoigne & Co., Inc., 43 Tremont St., Boston. Archts. est. $400,000. Noted July 2.

Mass., Norwood—MERCANTILE—Norwood Furniture Co., 2 story and basement, 50 x 125 ft., brick, steel and limestone, Washington and Day Sts., to W. Smith, Bway. Archts. est. $150,000. Noted Sept. 17.

Mass., Worcester — HOSPITAL — Commonwealth of Massachusetts, Dept. Mental Diseases, State House, Boston, will build 1 story, 40 x 80 x 96 x 150 ft., brick and stone congregate dining room, for Worcester State Hospital, here. $150,000. Work will be done by separate contracts. Noted Oct. 1.

Conn., Hartford—STORE and OFFICE—L. S. Knock & Co., Inc., 188 State St., 3 story, rein.-con., brick and steel, to Wise & Upson, Inc., 36 Pearl St. Archts. est. $200,000.

N. Y., New York — APARTMENT — Hensle Constr. Co., c/o G. S. Kingsley, archt. and engr., 145 West 42nd St., will build 14 story, brick, steel and stone, plain foundation, West 134th St., by day labor.

N. Y., New York—APARTMENT—Milnat Realty Corp., c/o H. I. Feldman, archt. and engr., 516 5th Ave., will build 15 story, brick, stone and steel, plain foundation, 119 West 72nd St., by day labor. $1,500,000.

N. Y., New York—GARAGE—New York Transfer Co., 263 5th Ave., 4 story, 100 x 150 ft., rein.-con. and brick, plain foundation, 603 West 42nd St., to Young & French, 103 Park Ave. Archts. est. $500,000.

N. Y., New York — LOFT — J. Forsythe Co., 348 Madison Ave., 15 story, brick, steel and stone, plain foundation, East 49th St., to Barras Constr. Co., 366 Madison Ave. Archts. est. $500,000.

N. Y., New York — OFFICE — Nineteen John St. Corp., C. W. Hansen, pres., 46 Cedar St., 15 story, brick, steel and stone, plain foundation, 17 John St., to Starrett Bros., Inc., 292 Madison Ave.

N. Y., New York—OFFICE—Laker Realty Corp., 52 William St., 15 story, brick, steel and stone, plain foundation, 119 West 57th St., to J. E. Gilbert, 501 7th Ave. Archts. est. $1,504,000.

Pa., Bryn Mawr — THEATRE, STORE and OFFICE—P. Harrison, 828 Lancaster Ave., will build 2 story and basement, 60 x 187 ft., rein.-con., brick and steel, plain foundation. $200,000. Work will be done by separate contracts. W. H. Lee, 1505 Race St., Phila., archt.

Pa., Phila.—BANK and OFFICE—West Phila. Telephone & Telegraph Co., 40th St. and Lancaster Ave., 6 story and basement, 36th and Walnut Sts., to Metzger, Fisher & White, Otis Bldg.

Pa., Phila. — HOTEL — Phila. Shelton Corp., c/o N. J. Taube, Inc., Central Medical Bldg., 20 story and basement, 100 x 175 ft., rein.-con., brick, limestone and granite, plain foundation, 1709-15 Locust and 1708-14 Chancellor Sts., to Barros Constr. Co., 366 Madison Ave., New York City, N. Y. Archts. est. $2,500,000.

Pa., Phila. — OFFICE — R. Benckert, archt., Bellevue Court Bldg., 9 story and basement, 77 x 204 ft., rein.-con., brick and steel, plain foundation, 13th and Chestnut Sts., to Roberts & Roller, 1904 Sansom St. Archts. est. $150,000. Owner's name withheld. Noted Aug. 27.

Va., Yorktown — CLUB, etc. — Yorktown Country Club, D. P. Polk, assistant secy., 300 room, brick and limestone manor and club building, to A. A. Lane & Co., 1407 East 40th St., Cleveland, O. Archts. est. $1,300,000.

N. C., Winston-Salem—COURT HOUSE—Comrs. Forsyth Co., 3 story, 125 x 125 ft., concrete and marble court house, to J. A. Jones Constr. Co., Realty Bldg., Charlotte, $257,000. Noted Aug. 27.

Miss., Pass Christian — HOTEL and RESORT — J. L. Onorato et al., 343 Carondelet St., New Orleans, La., general contract 6 story, 44 x 320 ft., rein.-con., hollow tile and steel hotel and resort, incl. swimming pool, pavilion, etc., at Shell Beach on Bay St. Louis, near here, to G. J. Glover Constr. Co., Inc., Whitney Bldg., New Orleans, La., at cost plus percentage bases.

Tenn., Chattanooga—HOTEL—J. Perry, c/o W. H. Sears, archt., James Bldg., general contract Fleetwood Hotel 100 x 300 ft., rein.-con., steel and stucco, on Lookout Mountain, to M. K. Wilson, c/o archt., cost plus percentage basis. Archts. est. $1,200,000.

Tenn., Memphis—HOSPITAL—City, general contract 4 story fireproof nurses home addition to hospital, to Kaucher & Hodges Co., Exchange Bldg., $124,918. Noted Sept. 10.

Tenn., Nashville — OFFICE, LODGE, GARAGE, etc.—I. O. O. F., contract for walls, foundation and frame work for 12 story, rein.-con., brick, cut stone and terra cotta building, to E. Creighton, 4th and 1st Natl. Bank Bldg., $125,640. Archts. total est. $800,000. This corrects report in Oct. 1 issue.

Ky., Louisville — APARTMENT — J. E. Wilson, c/o G. E. Zimmerman, archt., Meyer-Kiser Bank, Indianapolis, Ind., 3 story and basement, 65 x 120 ft., rein.-con. and brick, plain foundation, here, to State Constr. Co., 1201 East 30th St., Indianapolis, Ind. Archts. est. $150,000.

O., Cleveland — CLUB HOUSE — Pepper Pike Country Club, c/o D. R. Hanna, Jr., c/o Cleveland Co., Leader News Bldg., 2 story, stucco and hollow tile, South Woodland Rd., to D. Henderson & Son, St. Catherine Ave. Archts. est. $150,000.

Ind., East Chicago — LODGE — Elks Lodge, 6 story and basement, rein.-con., brick and steel, to J. F. Rahn, East Chicago, $173,688. Noted Aug. 27.

Ill., Freeport — HOSPITAL—Evangelical Deaconess Hospital, 730 South Oak St., general contract 4 story and basement, 42 x 160 ft., rein.-con. and brick addition, plain foundation, to J. P. Cullen & Son, 109 South Main St., Janesville, Wis., $122,774; heating and plumbing, to Lieber & Zipsie Co., 5 East Main St., $39,445.

Ind., Indianapolis—APARTMENT—J. B. Howard, Bd. Trade Bldg., 3 story and basement, 45 x 120 ft., rein.-con., brick and steel, concrete pile foundation, 30th St., to L. B. Millikin, 501 North Delaware St., $150,000 cost plus percentage basis.

Ind., Indianapolis — THEATRE — Clyde Realty Co., 111 Monument Circle, 2 story and basement, 80 x 160 ft., rein.-con., brick and steel, concrete pile foundation, College Ave., to Ostrom Realty Co., Peoples Bank Bldg., $150,000 cost plus percentage basis.

Mich., Saginaw — COURT HOUSE and JAIL — Supervs. Saginaw Co., two 40 x 76 ft. additions courthouse, and 4 story 37 x 91 ft. addition to jail, Courthouse Sq., to Spence Bros. Constr. Co., Saginaw, approximately $283,000. Noted July 30.

Ill., Chicago — APARTMENT — E. M. Levin, 177 North State St., 3 story and basement, 80 x 222 ft., rein.-con. and brick, plain foundation, 2322-2328 Commonwealth Ave., to Callner Constr. Co., 177 North State St. Archts. est. $585,000.

Ill., Chicago—APARTMENT, STORE and OFFICE — Auburn Building Corp., 6437 South Park Ave., 4 story and basement, 106 x 117 ft., rein.-con. and brick, plain foundation, 76th and Halsted Sts., to Erickson & Christianson Co., 6437 South Park Ave. Archts. est. $300,000.

Ill., Chicago — GARAGE — Central Chicago Garages, Inc., 208 South La Salle St., general contract 10 story, 99 x 150 ft., rein.-con., State and Kinzie Sts., to Dahl-Stedman Co., 11 South La Salle St. Archts. est. $400,000. Noted Aug. 6.

Ill., Chicago — RECREATION, STORE and OFFICE — P. F. W. Peck, 80 East Jackson Blvd., general contract 12 story, 144 x 165 ft., rein.-con., plain foundation, Wabash Ave. and Congress St., to R. F. Wilson & Co., 53 West Jackson Blvd. Archts. est. $700,000. Noted Sept. 17.

Ill., Chicago — Y. M. C. A., 39 South La Salle St., two 3 story and basements, rein.-con., brick and stone, plain foundations, one 50 x 150 ft., 111th St. and Wabash Ave., and other 90 x 150 ft., Irving Park Blvd. and Kildare Ave., to Schmidt Bros. Constr. Co., 22 East Huron St. Archts. ests. $500,000 and $450,000 respectively. Noted Sept. 3.

Minn., Bloomington—LODGE—Minnesota Masonic Home Corp., A. F. Pray, chn. building com., 300 Oneida Bldg., Minneapolis, general contract 3 story and basement, 50 x 275 ft., rein.-con., brick and tile Masonic Home, on Minnesota River, here, to J. and W. A. Elliott Co., 906 Lumber Exch., Minneapolis. Archts. total est. about $300,000.

Minn., St. Paul—GARAGE—H. E. Pence, 800 Hennepin Ave., Minneapolis, general contract 2 story and basement, 150 x 160 ft., rein.-con. and steel, 6th and Exchange Sts., to Nasvik-Sauk Contg. Co., 551 Gilfillan Blk. Archts. total est. about $250,000.

Kan., Abilene—CITY HALL and AUDITORIUM—City, 2 story and basement, 48 x 134 ft., rein.-con., brick and stone, to T. S. Howard, Hutchinson, Kan. Archts. est. $150,000. Noted March 12.

Neb., Lincoln—HOTEL—Lancaster Hotel Co., c/o T. M. Murphy, 409 Sharp Bldg., Kansas City, Mo., general contract 11 story and basement, 100 x 142 ft., rein.-con., brick and terra cotta, 13th and M Sts., to Collins Bros., 1600 Grand Ave., Kansas City, Mo. Archts. est. $1,500,000. Noted Aug. 20.

Mo., Maplewood (Br. of St. Louis)—EXCHANGE—Southwestern Bell Telephone Co., Bway. and Locust St., St. Louis, 2 story and basement, rein.-con., brick and stone, Manchester and Lanahm Aves., here, to McKelvey Constr. Co., Title Guaranty Bldg., St. Louis. Archts. est. $250,000. Noted Aug. 6.

Mo., St. Louis—CLUB and DORMITORY—Queens Daughters, 3730 Lindell Blvd., 4 story and basement, 62 x 120 x 213 ft. brick, concrete and stone, Lindell Ave., to Gillespie & Daly, International Life Bldg., Archts. est. $200,000. Noted Aug. 6.

Ore., Portland — MASONIC TEMPLE — H. C. Weber, secy. Masonic Temple Building Assn., 214 Porter Bldg., general contract 6 story, 200 x 200 ft., rein.-con., solid rock foundation, 10th, West Park, Madison and Main Sts., to Dougan & Crisman, 168

Buildings—Commercial (Continued)

Thompson St., $671,444; plumbing, to Alaska Plumbing & Heating Co., 363 East Morrison St., $24,430. Noted Aug. 29.

Calif., Santa Barbara—OFFICE—H. G. Stockton, 2 story and basement, 236 x 238 ft., rein.-con. and timber, State and Figueroa Sts., to J. M. Cooper, 321 Rives Strong Bldg., Los Angeles. Engrs. est. $325,000.

Calif., Santa Barbara—OFFICE, etc.—J. M. Hawley, Jr., rebuilding 2 story, 200 x 200 ft., rein.-con. store and office building, and 1 story shop, to J. A. Clarey, San Marcos Bldg., $400,000. Noted Oct. 1.

Calif., Taft—THEATRE—L. A. Smith, archt., 3rd St. and Western Ave., Los Angeles, 2 story, 119 x 150 ft., rein.-con. and timber, here, to W. Reed, Long Beach, $175,000. Owner's name withheld. West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, lessee.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Boston—SCHOOL—City, Schoolhouse Dept., J. H. Mahoney, comr., plans 2 story, brick, Prince Dist., Peterborough and Kilmarnock Sts. $200,000. Engineer and architect not selected.

Mass., Fall River—SCHOOL—City, Supt. Pub. Buildings, having sketches made by L. G. Destremps, 49 Borden Blk., 2 story, brick, Milton St. $150,000-$200,000. Noted July 23.

Conn., New Canaan—HIGH SCHOOL—Town, W. B. Simon, chn., 207 South Main St., plans 2 story and basement, brick and steel high school. $150,000. Engineer and architect not selected.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension, P. S. 208, 3 story, brick, steel and stone, plain foundation, Ave. D. $300,000.

N. Y., New York — MUSEUM — New York Historical Society, 170 Central Park West, having plans prepared by York & Sawyer, 100 East 42nd St., 12 story, brick, stone and steel, plain foundation, Central Park West. Noted Sept. 24.

N. Y., New York—NURSES SCHOOL—Mt. Sinai Hospital, 5th Ave. and 100th St., soon takes bids 14 story, brick, steel and stone, plain foundation, East 98th St. $1,500,000. R. D. Kohn & C. Butler, 56 West 45th St., archts. and engrs. Noted Sept. 17.

D. C., Wash. — HIGH SCHOOLS — Dist. Comrs., District Bldg., plan Stewart Junior High School, $475,000, and McKinley Manual Training High School, $2,250,000.

O., Cleveland — HIGH SCHOOLS — Bd. Educ., F. G. Hogen, dir., having plans prepared by G. M. Hopkinson, 6th-St. Clair Bldg., West Commerce High School, 3 story and basement, brick, steel and concrete, Bridge Ave. near Randall Ave., $1,375,000; also Junior High School, 28 room, East 120th St. and Kelton Ave., $825,000.

O., Cleveland — SCHOOL — Bd. Educ., F. G. Hogan, dir., having plans prepared by G. M. Hopkinson, 6th St. Clair Bldg., 2 story and basement, brick, steel and concrete, West 115th St. and Bosworth Rd. $385,000.

O., Cleveland—SCHOOLS—Bd. Educ., F. G. Hogan, dir., having plans prepared by G. M. Hopkinson, 6th-St. Clair Bldg., Junior High School, 3 story and basement, Fowler Ave. and Bway., $990,000; also 3 story and basement elementary school, $642,000, both brick, steel and concrete.

Ill., Urbana — GYMNASIUM—University of Illinois rejected bids 2 story and basement, rein.-con., brick and stone gymnasium building, on campus. $225,000. Will readvertise. J. M. White, 256 Administration Bldg., superv. archt.

Wis., Milwaukee—CONVENT—E. Brielmaier & Sons, archts., 432 Bway., takes bids about Oct. 12, 4 story and basement, 75 x 100 ft., rein.-con. and brick addition, plain foundation, 35th and Center Sts., for St. Marys Convent, 3502 Center St. $150,000. Noted Sept. 17.

Kan., Pittsburgh—LIBRARY—State Bd. Administration, State House, Topeka, takes bids about Oct. 18, 3 story, 100 x 150 ft., brick, concrete, steel and stone library, here. $150,000. C. D. Cuthbert, State House, Topeka, archt. Noted Aug. 27.

Wash., Seattle—SCHOOL—F. A. Naramore, archt., Central Bldg., takes bids about Oct. 22, 3 story and basement, 180 x 290 ft., brick and terra cotta school, incl. laboratories, etc., Georgetown St., for School Dist. 1. $525,000.

BIDS DESIRED

Mass., New Bedford—CHURCH—North Christian Church, 173 Middle St., taking bids 1 story and basement, brick, stone and steel church. $150,000. Brown & Poole, 688 Pleasant St., archts. Noted Sept. 17.

Mass., New Bedford—HIGH SCHOOL—Oct. 20, by City Property Com., South Junior High School, 2 story and basement, brick and stone, Cleveland and Frederick Sts. $700,000. W. Tallman, 258 Union St., archt. Noted Oct. 1.

Mass., Taunton—SCHOOL—Oct. 21 (extended date), by Pub. Property Com., 2 story and basement, brick, steel and stone, High St. $250,000. McLaughlin & Burr, 88 Tremont St., Boston, archts. Noted Oct. 1.

Mass., West Roxbury (Boston P. O.) — SCHOOL — Oct. 15, by Schoolhouse Dept. Boston, 2 story and basement, brick and stone addition to Henry Vane School, Gardner, Dunwell and Baker Sts., here. $150,000. R. C. Sturgis, 120 Boylston St., Boston, archt. Noted Oct. 8

N. Y., Brooklyn—SCHOOL—Oct. 9, by St. Francis College, 41 Butler St., brick, steel and stone, plain foundation, Butler St. $175,000. W. P. McGovern, 156 East 42nd St., New York City, archt. and engr. Noted Sept. 3.

N. J., Camden—SCHOOL—Oct. 13 (extended date), by School Bd., Pensauken Twp., two 2 story and basement, 50 x 212 ft., and 39 x 93 ft., rein.-con. and brick, plain foundations, one at Wistaria Ave., east of Lexington Ave., and other at 55th St. and South Forest Ave. I. T. Catherine, Franklin Trust Bldg., Philadelphia, archt. Noted Oct. 1.

Md., Baltimore—CHURCH, etc.—Oct. 12, by A. C. Leach, archt., 411 North Charles St., 1 and 2 story, 62 x 89 ft. church, and 56 x 80 ft. Sunday School, Charles St. and University Parkway, for A. W. Wilson Memorial Methodist Episcopal Church. $225,000. Noted Aug. 27.

Md., Baltimore—SCHOOL—Oct. 14, by Bd. Awards, 1 story and basement, 63 x 244 ft., stone, between Collins and Lyndhurst Aves. near Edmondson Ave. $215,000. W. F. Stone, Munsey Bldg., archt.

Va., Richmond—SCHOOL—Oct. 16, by Bd. Educ., F. M. Conner, chn., school, Williamsburg Rd. C. M. Robinson, 1002 Times-Dispatch Bldg. Richmond, engr.

Ill., Chicago—HIGH SCHOOLS—Oct. 20, by Bd. Educ., 620 South Clark St., 2 Junior High Schools, 3 story, 600 x 600 ft., rein.-con., brick and terra cotta, plain foundations, one at 81st and Carpenter Sts., and other West 111th and Wallace Sts. $2,000,000 each. J. C. Christenson, 620 South Clark St., engr.

Wis., Milwaukee — SCHOOL — Backes & Uthus, archts., 216 West Water St., taking bids 2 story and basement, 148 x 150 ft., concrete and brick, plain foundation, 1st St., for St. Elizabeth Congregation, C. Bittle, pastor, 192 Burleigh St. $200,000. Noted Sept. 24.

Ia., Marshalltown—HIGH SCHOOL—Oct. 28 (extended date), by Bd. Educ., D. R. Jackson, secy., 3 story and basement, rein.-con. and brick high school. $325,000. H. E. Reimer, Marshalltown and Dougher, Rich & Woodburn, Valley Natl. Bank Bldg., Des Moines, archts. Noted Oct. 1.

Kan., Lawrence—MEMORIAL—Oct. 28, by Memorial Corporation of University of Kansas at Chancellors office, 3 story and basement, 75 x 150 ft., rein.-con., brick, steel and stone memorial building. $250,000. Pond & Pond, 1700 Tower Bldg., Chicago, Ill., archts. G. Goldsmith, 306 Marvin Hall, University of Kansas, advisory archt. Noted Apr. 2.

Tex., Childress—HIGH SCHOOL—Oct. 22, by G. A. Carlander, archt., 15 Massie Bldg., Amarillo, 2 story and part basement, 58 x 200 ft., with 72 x 117 ft. wing, rein.-con., brick and stone, here, for Bd. Educ. $150,000. Noted Oct. 1.

Tex., San Antonio — HIGH SCHOOL — A. B. & R. M. Ayres, archts., Bedell Bldg., and Phelps & De Wees, archts., Gunter Bldg., taking bids and open same about Oct. 16, Junior High School, 1 and 2 story, rein.-con. and brick, plain foundation, Berkshire and Yorkshire Sts., for City. $250,000. Noted Oct. 1.

BIDS RECEIVED

Mass., Montague—SCHOOL—Town, J. J. Quinn, chn. Building Com., 2 story and basement, 82 x 118 ft., brick and stone, Crocker Ave., from G. N. Reed, Montague City Rd., Turners Falls, $118,500. Noted Oct. 1.

R. I., Warwick—SCHOOLS—T. J. Pierce, Inc., archts., 30 Allens Ave., Providence, 2 story and basement, 40 x 64 ft., brick and steel additions to Lakewood School, from Blachin Constr. Co., 86 Weybosset St., Providence, $46,493; to Conimicut School, from Central Eng. & Constr. Co., Sutter Trust Bldg., Pawtucket, $57,662; to Oakland Beach School, from A. Kirken Co., 110 Norfolk St., Cranston, $47,970. Noted Sept. 10.

CONTRACTS AWARDED

R. I., Cranston (mail Providence) — SCHOOL—Mayors Office, general contract 4 story and basement, 150 x 280 ft., brick and steel, Park Ave., to E. Turgeon, 72 Weybosset, Providence, $538,830; heating, to F. G. Lawton, 769 Park Ave., Providence, $68,000; plumbing, to F. Dupuis, 599 Main St., Pawtucket, $24,740. Grand total $621,570. Noted Sept. 17.

N. Y., New York—DORMITORY—Columbia University, 116th St. and Morningside Ave., 12 story, brick, steel and stone, plain foundation, 114th St. and Amsterdam Ave., to J. Lowery, 270 Madison Ave. Archts. est. $1,500,000. Noted Mar. 12.

Pa., Leetsdale — SCHOOL — Bd. Educ., general contract 1 story and basement, 176 x 176 ft. school, to R. B. McDaniel Co., New Brighton, $122,000. Noted Sept. 24.

Pa., Overbrook (Phila. P. O.)—CHAPEL—Sacred Heart Academy, City Ave. and Haverford Rd., 2 story and basement, 104 x 123 ft., rein.-con., steel and stone, plain foundation, to Doyle & Co., 1519 Samson St., Phila. Archts. est. $200,000.

Pa., Sharon — CHURCH — First Presbyterian Church, 1 and 2 story, brick, steel and stone church, to Johnson & Ericson, Ashtabula, O. Archts. est. $300,000. Noted Aug. 27.

Md., Baltimore—SCHOOLS—Bd. Awards, three 3 story and basement rein.-con. and brick schools, plain foundations, one at Rogers Ave. near Denmore Ave., one at Glenmore, Sylvan, and Christopher Aves., and other at Alto Ave. near Lyndhurst Ave., to P. C. Street Eng. Co., 404 St. Paul St., $879,000. Noted Sept. 10.

D. C., Wash.—SCHOOLS—Dist. Comrs., Brightwood Park, Decatur St. and Sheridan St. schools, to Skinker and Garrett, 1416 F St. N. W., $339,827. Noted Sept. 24.

Ind., Ft. Wayne—SCHOOL—School Bd., 2 story and basement, rein.-con., brick and steel, concrete pile foundation, to M. Irmscher & Sons, 1st Natl. Bank, $632,292.

Ind., Indianapolis — SCHOOL — Little Flower Church, 2 story and basement, 100 x 150 ft., concrete and brick, plain foundation, Bosart St., to Sullivan & Dononham, Camden. Archts. est. $150,000.

Neb. Gothenburg—HIGH SCHOOL—H. T. Lautzenheiser, secy. Bd. Educ., 1 and 2 story and basement, 39 x 73 ft., and 138 x 143 ft., brick, stone and rein.-con., to Clark Constr. Co., York, $122,000. Archts. est. $150,000. Noted May 28.

Mo., Liberty — CHAPEL and DORMITORY — William Jewell College, H. C. Wayman, pres., 2 and 3 story and basement, rein.-con., brick and stone, here, to S. E. Schultz, Chillicothe, $128,285. Noted Sept. 17.

Mo., Kansas City — SYNAGOGUE — Greenbaum, Hardy & Schumacher, archts., 216 Scarritt Bldg., 2 and 3 story and basement, rein.-con., plain foundation, 34th and Paseo Sts., to Patti-Moore Constr. Co., 412 Jenkins Bldg., for Keneseth Israel-Beth Sholom Congregation, Title Bldg. $225,000. Noted April 23.

Okla., Norman — DORMITORY and CLASS ROOM—Bd. Affairs, Capitol Bldg., Girls Dormitory, 3 story and basement, 116 x 196 ft., on campus, to C. M. Dunning, 420 North Hudson St., Oklahoma City, $259,577; Class Room, 3 story and basement, 148 x 174 ft., on campus, to Campbell & Price, 603 West Main St., $173,428, both rein.-con. and brick, plain foundations. Noted Sept. 10.

Federal Government Work

PROPOSED WORK

N. Y., New York—Dredging—U. S. Engineer Office, 2nd Dist., rejected bids dredging and rock removal in Area 1, New York and New Jersey Channels. Will readvertise. Noted Oct. 1.

D. C., Wash.—Bridge—Arlington Memorial Bridge Comn., C. O. Sherrill, executive officer, takes bids about Nov. 15 (1st unit) Arlington Memorial Bridge over Potomac River, incl. piers, placement of stone facings as far as spring line of arches. $3,000,000.

D. C., Wash.—Research Laboratory—Spec. 5098—Bureau Yards & Docks, Navy Dept., plans rein.-con. and hollow tile research annex building, at Naval Research Laboratory (Bellevue), here.

Federal Government Work (Continued)

Ala., Mobile—Dredging—U. S. Engineer Office, Wash., D. C., rejected bids dredging in Mobile Bay Channel, here. Noted Aug. 20.

BIDS DESIRED

Mass., Boston—Rehabilitating—Oct. 29, by Treas. Dept., at office Supervising Archt., Wash., D. C., rehabilitating Tuberculosis Building, of U. S. Marine Hospital, here.

Del., Wilmington—Hull—Nov. 5, by U. S. Engineer Office, steel hull for Dredge "Mantua"; E. N.-R. Oct. 8.

D. C., Wash.—Lamp Standards—Oct. 19, by Treas. Dept., at office Supervising Archt., cast iron lamp standards for buildings under control of Treas. Dept. J. A. Wetmore, acting supervising archt.

La., New Orleans — Gravel — Oct. 15, by U. S. Engineer Office, 329 Custom House Bldg., 1,044 short tons gravel and 522 short tons sand f.o.b New Orleans.

Wash., Puget Sound—Storehouse—Spec. 5106—Oct. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story, brick and concrete storehouse, at Naval Ammunition Depot, here. L. E. Gregory, ch. Noted Jan. 8.

Calif., San Diego—Paving—Spec. 5162—Nov. 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., rock and asphalt surfacing extension of parade ground, at Naval Operating Base, here. L. E. Gregory, ch.

BIDS RECEIVED

N. Y., Sackets Harbor—Quarters—War Dept. at office Constructing Quartermaster, Sept. 30, officers quarters, from J. W. Cowper, Fidelity Bldg., Buffalo, N. Y. **(1)** $457,141 **(2)** add $1,525 **(3)** $57,547 **(4)** add $420 **(5)** $96,840 **(6)** add $360 **(7)** $94,095 **(8)** $290 **(9)** $46,656 **(10)** add $150 **(11)** $21,354 **(12)** add $30 **(13)** $52,268 **(14)** add $125 **(15)** $30,510 **(16)** $4,875 **(17)** $6,340 (330 days). Noted Sept. 3.

Pa., Williamsport—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing post office addition, here, from W. L. Morrison Constr. Co., 613 15th St. N. W., Wash., D. C. $16,600. Noted Sept. 17.

D. C., Wash.—Generators—U. S. Coast Guard, Wash., D. C., generators for Cutter 44, from General Electric Co., River Rd., Schenectady, N. Y., $71,860, alternate 1, $69,460.

D. C., Wash. — Tender — Comr. Lighthouses, Sept. 25, stern wheel, steel, steam propelled lighthouse tender Wakerobin for use on Mississippi River, from Dravo Contg. Co., Neville Island, delivered at Pittsburgh, $187,500; from Dubuque Boat & Boiler Wks., Dubuque, Ia., delivery Dubuque $210,000, delivery Rock Island $212,000; from Howard Shipyard & Dock Co., Jeffersonville, Ind., delivery Jeffersonville $237,437. Noted Aug. 27.

O., Sandusky—Post Office—Treas. Dept., office Supervising Archt., Wash., D. C., Sept. 22, constructing **(a)** limestone **(b)** sandstone post office, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., **(a)** $144,785; and from G. Griffiths Constr. Co., 705 Olive St., St. Louis, Mo., **(b)** $157,678. Noted Aug. 20.

Mich., Cheboygan—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story and basement, brick and stone post office, here, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $55,550. Noted Sept. 10.

Minn., Fairmont — Post Office — Treas. Dept., office Supervising Archt., Wash., D. C., from F. R. Comb Co., 2113 Chicago, Ill., $46,765. Noted Sept. 10.

Mo., Kansas City—Alterations—Treas. Dept., at office Supervising Archt., Oct. 1, alterations and additions to U. S. Post Office and Court House, here, from W. McDonald Constr. Co., St. Louis, $5,740.

CONTRACTS AWARDED

Mass., Boston — Piers — Spec. 5155 — Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing and rebuilding Piers 6 and 7, to Newport Constr. & Eng. Co., Law Bldg., Newport News, Va., $121,842. Noted Sept. 24.

Mass., Holyoke — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., enlarging and remodeling post office, here, to Garber & Cissell, Bethlehem, Pa., $8,500; also freight elevator, to Warsaw Elevator Co., Warsaw, N. Y., $3,084. Noted Sept. 3.

D. C., Wash.—Filtration Plant—U. S. Engineers Office, Navy Dept., superstructure filtration plant, Conduit Rd. and Maryland line, to C. H. Tompkins, 1614 Park Rd. N. W., **(item 1)** $724,000. Noted Oct. 1.

Ga., Augusta — Roads — U. S. Veterans Bureau, Wash., D. C., concrete roads at Veterans Hospital, here, to Hodgson & Jones, 1st Natl. Bank Bldg., Montgomery, Ala., $10,815. Noted Sept. 3.

La., New Orleans—Levee—U. S. Engineer Office, War Dept., Wash., D. C., constructing Indian Camp Levee, in Pontchartrain Levee Dist., to D. B. Hearin & Son, 401 Tread Bldg., Baton Rouge, $15,950.

Mich., Detroit—Borings—U. S. Lake Survey Office, Old Custom House, diamond drill borings, Long Sault Island, in St. Lawrence River, to Pennsylvania Drilling Co., 1812 West Carson St., Pittsburgh, Pa., $11,630. Noted Sept. 17.

Minn., St. Paul—Painting—Treas. Dept. at Office Supervising Archt., Wash., D. C., repairs to plaster, painting, etc., at post office, here, to Pearson-Regnell Co., 5816 Bway., Chicago, Ill., $26,266. Noted Oct. 1.

Mo., Kansas City—Dike—U. S. Engineer Office, 2,100 ft. dikes in Missouri River, at Howards Bend, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., $74,760. Noted Oct. 1.

Mo., St. Louis—Barges—U. S. Engineer Office, 428 Custom House, 6 steel barges for use on Mississippi River, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $95,320. Noted Oct. 1.

Tex., Galveston—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging Sabine-Neches Channel by existing channel and by pass around guard lock, to Atlantic, Gulf & Pacific Co., 15 Park Row, New York City, N. Y. $235,035. Noted Aug. 20.

Unclassified

PROPOSED WORK

Heating and Ventilating — Pawtucket, R. I. — City soon takes bids heating and ventilating in new high school. $25,000. R. C. N. Monahan, 255 Main St., Pawtucket, archt.

Pier and Bulkhead—Camden, N. J.—See "Buildings—Industrial."

Resort Development—Asheville, N. C.—J. B. McGinley, et al., West Palm Beach, Fla., purchased 315 acre site on Elk Mountain, 2 mi. from here, and plan resort, incl. water, sewers, hotel, etc. $500,000.

Land Development—Marion, N. C.—A. M. Kistler, G. W. Chapman and others, plan developing 5,000 acres land on Buck Creek, near here, incl. 61 x 325 ft. dam forming 500 acres lake, hotel, etc.

Land Development—Pass Christian, Miss.—J. L. Onorato et al., 343 Carondelet St., New Orleans, La., plans developing 2,450 acre tract, incl. 3 mi. shore road, bridle path, community pier, waterworks, etc., at Shell Beach on Bay St. Louis, near here. M. H. Goldstein, Hibernia Bldg., New Orleans, La., archt.

Lake Improvements, etc. — St. Cloud, Minn. — Election Oct. 28, $100,000 bonds improving Lake George, incl. playgrounds, drive, etc. M. B. Lang, city engr.

Transmission Line, etc. — Oklahoma — Oklahoma Power Co., Okmulgee, plans distribution system in Hanna, and transmission line from Hanna to Dustin. $40,000. C. H. Kretz, Okmulgee, engr.

Wrecking Plant—Portland, Ore.—Dolan Wrecking & Constr. Co., 466 Belmont St., making tentative plans 4 story, brick covering entire city block. Private plans.

Playgrounds, etc.—San Leandro, Calif—City Council election Nov. 6, $125,000 bonds, enlarging parks and playgrounds, and $25,000 bonds for fire alarm system.

BIDS DESIRED

Heating and Ventilating — Revere, Mass.—Oct. 13, by School Bd., City Hall, heating and ventilating system in high school. $25,000. Private plans.

Canal Crossings, etc.—New York—Oct. 16, by R. K. Fuller, comr. Canals & Waterways, 55 Lancaster St., Albany, repairing apron of Nine Mile Creek spillway, Contr. M-10; removing bridges and constructing highways at 8 locations on Erie Canal between New London and Bolivar, Contr. M-11; plumbing fixtures in Crescent and Vischer Ferry power houses, etc., Water Power Contr. A-6; adv. E. N.-R. Oct. 8.

Ferryboat—New York, N. Y.—Oct. 19, by W. W. Mills, comr. Plant & Structures, Municipal Bldg., steel steam screw ferryboat.

Retaining Wall—New York, N. Y.—Oct. 15, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., retaining wall on westerly side Harlem River. Former bids rejected. Noted Oct. 1.

Foundation—Baltimore, Md.—Oct. 14, by Bd. Awards, concrete foundation for college, 33rd St., Alameda Blvd., Gorsuch and Montebello Aves. $200,000. Buckler & Fenhagen, 325 North Charles St., archt. H. Massart, 328 North Charles St., engr.

Pier—Mobile, Ala.—Oct. 15, by State Hy. Dept., Montgomery, laying concrete for 1,600 ft. pier, 550 ft. $1,000,000.

Generator Engine, etc.—Winona, Minn.—Oct. 19, by City, c/o G. W. Hofmann, recdr, 1 electric generator engine unit with auxiliary equipment, $4,100; vertical single stage centrifugal sewage pumps of 750 gal. capacity each, with 15 hp. motor, $4,500. E. E. Chadwick, city engr.

Swimming Pool—Los Gatos, Calif.—Oct. 19, by City Clerk, 40 x 70 ft. swimming pool, bath house, etc., in Los Gatos Memorial Park. $25,000. Wyckoff & White, Growers Bank Bldg., San Jose, archts.

BIDS RECEIVED

Gallows Frame, etc.—New York—W. W. Mills, comr. Plant & Structures, Municipal Bldg., New York City, Sept. 24, gallows frame and operating equipment for Slip 3, Whitehall Ferry, Manhattan and Slip 5, St. George Terminal, Richmond, from Fox Reynolds Co., 81 East 125th St., New York City, $73,000. Noted Sept. 17.

Borings—New York, N. Y.—Port New York Authority, 11 Bway., Sept. 29, water borings along Hudson River between 170th and 185th Sts., from Osborne Drilling Co., 120 Liberty St., $25,865. Noted Sept. 24.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Sept. 29, installation tracks for portion of Queensboro Subway line, from T. H. Reynolds Constr. Co., 50 Park Pl., $23,800. Noted Sept. 24.

Pier Shed Equipment—New York, N. Y. — Commissioner Docks, Pier A, North River, Oct. 5, shed equipment for Pier 2 North River, Contr. 1854, from H. C. Vogel Co., 15 West 37th St., **(a)** $20,589; from J. H. Martin, 51 East 42nd St., **(b)** $12,569; from J. S. Murphy Co., 215 East 47th St., **(c)** $11,900; and from W. H. Taverner Corp., 175 5th Ave., **(d)** $10,370. Noted Oct. 1.

Park—Phila., Pa.—Dept. Pub. Wks., Sept. 30, improving East League Island Park in 39th Ward, incl. grading, running track, etc., from Stange Constr. Co., 2031 South Broad St., $189,618. Noted Sept. 24.

Subway, etc. — Wash., D. C. — Dist. Comrs., Sept. 25, constructing subway and bridge, Van Buren St. and Baltimore & Ohio R.R. tracks, from L. J. Sieling, Bread St., Red Bank, N. J., $66,000. Noted Sept. 3.

CONTRACTS AWARDED

Grandstand—York, Pa.—York Co. Agricultural Assn., 94 x 420 ft., rein.-con. and brick grandstand, to C. W. Strayer, York. Archts. est. $200,000.

Swimming Pool, etc. — Pass Christian, Miss.—See "Buildings—Commercial."

Greenhouses—Gray Summit, Mo.—Missouri Botanical Gardens, 2315 Tower Grove Ave., St. Louis, 8 commercial type greenhouses with steel frame and supports, concrete foundations, glass tops, sides, etc., to Amer. Greenhouse Manufacturers, 159 North State St., Chicago, Ill. Engrs. est. $70,000.

Broadcasting Station, etc.—St. Louis, Mo.—St. Louis Radio Broadcasting Syndicate, c/o Globe Democrat, 6th and Pine Sts., equipping 5,000 watt radio broadcasting station with aerial masts, building, etc., to Western Electric Co., 814 Spruce St. Engrs. est. $110,000.

Terminal Depot—Oklahoma City, Okla.—Yellow Cab Co., 106 North Bway., 2 story, 120 x 150 ft., rein.-con., brick and stone terminal depot, to C. E. Huffman, 224 West 23rd St., $42,600.

Lighting System — San Diego, Calif. — Common Council, ornamental lighting system on University Ave. between 4th and 5th Sts., to A. C. Rice, 1957 Santee St., Los Angeles, $29,560. Noted Sept. 24.

Materials

BIDS DESIRED

Cement — Boston, Mass. — Oct. 9, by Supply Dept., 700 bbl. Atlas lumite cement to the Bridge Service. F. P. Rock, supt.

Fuel Oil — Boston, Mass. — Oct. 13, by Supply Dept., F. P. Rock, supt., about 5,461,000 gal. heavy fuel oil to various City Depts.

Fuel Oil—Long Island City, N. Y.—Oct. 13, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 20,000 gal. fuel oil to Bureau Highway as directed.

Lignin Binder—Atlantic City, N. J.—Oct. 14, by Freeholders Atlantic Co., for 84,000 gal. lignin binder. A. H. Nelson, Guaranty Trust Bldg., engr.

Corporation Cocks—Chicago, Ill.—Oct. 13, by City, City Hall, 5,500 ¾- to 2-in. corporation cocks, by truck at Pipe Yard D, 2352 South Ashland Ave. A. A. Sprague, comr. Pub. Wks.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate: 40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Oct. 27.

Water Works System

Maitland, Fla.

Sealed proposals will be received by the Town of Maitland, Florida, at the Town Hall, for furnishing all materials and labor to construct a water works system for the Town of Maitland, until 8 p.m., October 27, 1925, at which time they will be opened and read publicly.

The principal items of work are approximately as follows:

2,353 Feet 8" Cast Iron Pipe.
7,560 Feet 6" Cast Iron Pipe.
Cast Iron Specials.
5,850 Feet 1½" Galvanized Pipe.
17 Standard Fire Hydrants.
1 Set Hydrant and Valve Wrenches.
5 8" Gate Valves.
7 6" Gate Valves.
10 1½" Gate Valves.
22 Valve Boxes.
Pump House.
75 G.P.M. Motor Driven Deep Well Pump.
75,000 Gallon Steel Tank on 100 ft. Tower.
Pipe Connections.
Electrical Connections.
Foundations.
Setting Machinery.
8" Deep Well, (about 300 ft. deep).

Each bid for construction must be accompanied by a certified check on a bank satisfactory to the Town, or a bidder's bond acceptable to the Town for five (5) per cent of the amount bid, drawn to the order of the Town of Maitland, Florida.

All bids must be compared on the basis of the Engineers' estimate of the work to be done.

Copies of specifications may be obtained from the Engineers or the Town Clerk upon receipt of deposit of $5.00, which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers or at the office of the Town Clerk, or may be secured from the Engineers upon payment of $10.00.

The right is reserved to reject any or all bids, and the contract may be awarded as a whole or in part to any one or more bidders as considered to the best interest of the Town.

TOWN OF MAITLAND, FLORIDA.
J. A. BROWN,
Mayor.
S. B. HILL, JR.,
Clerk.

J. B. McCRARY ENGINEERING CORPORATION,
Engineers.
Atlanta, Georgia. Orlando, Florida.

Bids: Dec. 2.

Sewerage, Waterworks and Drainage Construction for 1926

New Orleans, La., Oct. 3, 1925.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock, noon, of Wednesday, December 2nd, 1925, for furnishing labor and material on a percentage basis for sewerage, waterworks and drainage construction, during the year 1926.

Specifications and blank proposal forms may be obtained at the office of the Board, No. 526 Carondelet Street, New Orleans, Louisiana.

The right is reserved to reject any, or all bids.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.

OFFICIAL PROPOSALS

Bids: Oct. 28.

Water Softening and Purification Plant

Fort Pierce, Florida.
September 20, 1925.

The Mayor and Board of City Commissioners of Fort Pierce, Florida, will receive sealed proposals until seven o'clock p.m. on the twenty-eighth day of October, 1925, at the office of the City Manager at Fort Pierce, Florida, at which time all proposals wfll be publicly opened and read for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of Water Softening and Purification Plant in said City according to the plans and specifications prepared by the Engineers, and now on file at their office, and at the office of the City Manager.

Each bid must be accompanied with a certified check to the amount of five per cent of the bid, and not less than $250.00, payable to the Treasurer of Fort Pierce, Florida, without recourse.

All bids must be on blanks provided, a copy of which is bound with these specifications, and placed in a sealed envelope, endorsed on the outside "PROPOSAL FOR WATER SOFTENING AND PURIFICATION PLANT." The City prefers to let the entire work in one contract, but reserves the right to waive technicalities, and let the work in parts to separate bidders for labor and materials, or let such parts of the work as is considered to the best interest of the City; and reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications thoroughly, form of contract, bond, and conditions under which the work will be done, before bidding.

C. E. CAHOW, Mayor.
W. AUSTIN SMITH,
City Manager.

ENGINEERS:
American Industries Engineering Company,
140 Cedar Street, New York City,
917 Johnston Building, Charlotte, North Carolina.
The Bishop Engineering Company, Associates,
116 South Orange Avenue, Orlando, Florida.

Bids: Oct. 27.

Paving

WESTCHESTER COUNTY PARK COMMISSION
Contract No. 43

Bronxville, N. Y.

Sealed bids for the fine grading and paving with cement concrete pavement a portion of the State Parkway from the State Camp Dock to the Bear Mountain Bridge Approach Road at Roa Hook near Peekskill, N. Y., will be received at the office of the Westchester County Park Commission, 72 West Pondfield Road, Bronxville, N. Y., until 11:30 A.M., October 27, 1925, when the bids received will be publicly opened and read.

Pamphlets containing information for bidders, form of proposal, specifications and contract drawings may be obtained by intending bidders at the above address by depositing $5.00.

The right is reserved to reject any or all bids.

Westchester County Park Commission,
By JAY DOWNER,
Chief Engineer.

Dated, October 2, 1925.

OFFICIAL PROPOSALS

Bids: Nov. 2.

Sewer and Water

Wauchula, Fla.

Sealed proposals for furnishing materials and labor for the construction of a system of sanitary sewers and a water distribution system will be received until 2 o'clock p.m., November 2, 1925, by the Board of Bond Trustees of the City of Wauchula, Florida. Proposals shall be enclosed in a sealed envelope and marked on the outside the nature of the bid.

The contemplated construction program embraces the following approximate quantities:

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46,926 lin.ft. of sanitary sewers, 8 to 15 inch, clay or concrete pipe with 7,000 lin.ft. of 6 inch house connections.
105 Manholes.
22 Automatic Flush Tanks.
26 Cubic yards Reinforced Concrete for Septic Tank.
36,446 Lineal feet cast iron water mains 4 to 8 inch with necessary specials.
75 Valves, 4 to 8 inch.
64 Hydrants.

Each proposal must be accompanied by a certified check drawn to the order of the Chairman, Board of Bond Trustees, for not less than 5 per cent of the amount bid.

Plans and specifications may be seen at the office of the Engineer or may be secured upon a payment of $10.00 or a set of specifications for $5.00. (Which will not be refunded.)

Bids may be filed on one or more of the four sections and the right is reserved by the Board to reject any or all proposals or bids or to accept any proposal or bid or to waive technicalities as they deem best for the interest of the city.

By order of the Board of Bond Trustees, City of Wauchula, Florida.

GEORGE S. WILLIAMS,
Chairman.

J. G. KIMMEL, Consulting Engineer.
W. N. TONKIN, Engineer in Charge.

Bids: Oct. 26.

Paving

BRONX PARKWAY COMMISSION
CONTRACT NO. 78

Bronxville, N. Y.

Sealed bids for paving the Bronx River Parkway Drive just south of Valhalla, N. Y., from the end of existing pavement to the Kensico Dam Plaza, will be received by the Bronx Parkway Commission at its office, 72 West Pondfield Road, Bronxville, N. Y., until 11:30 a.m. October 26, 1925.

The contract includes about 1,200 lin.ft. of driveway 40' in width, approximately 1,100 lin.ft. of this to be fine graded and a concrete base to be laid thereon. The entire 1,200 lin.ft. to be surfaced with asphalt block with the possible exception of an area of approximately 600 sq.yds. at the north end of the contract.

The right is reserved to reject any or all bids.

Pamphlet containing Information for Bidders, Form of Proposal, Specifications and Contract Drawings may be obtained by intending bidders at the above address by depositing $5.00.

BRONX PARKWAY COMMISSION.
By JAY DOWNER,
Engineer and Secretary.

Dated: Bronxville, N. Y.
Sept. 28, 1925.

CONSTRUCTION NEWS

Engineering News-Record, Oct. 15, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Power plant, Bastrop, Tex., Texas Power & Light Co. plans super power plant, $8,000,000.

City Hall, Atlanta, Ga., plans new bond election, $2,000,000.

Irrigation project, Oklahoma, several counties plan project, $2,000,000.

Mausoleum, Brooklyn, N. Y., New York Mausoleum Assn. having plans prepared, $2,000,000.

Roads, Washington, Pa., Washington Co. plans bond election, $2,000,000.

Elimination of grade crossing, Columbus, O., City and Norfolk & Western R.R. plan eliminating grade crossings, $1,800,000.

Irrigation work, Texas, Knippa-Uvalde Co. plans work, $1,750,000.

Factory, Buffalo, N. Y., Muffetts Corp. plans factory, $1,000,000.

Bids Wanted On Big Jobs

Club and studio, New York, N. Y., Authors League of America soon takes bids, $5,000,000.

Office and Warehouse, Detroit, Mich., Lane, Davenport & Peterson, archts., taking bids, $3,000,000.

Apartment, Chicago, Ill., Oct. 25, C. F. Henry, $2,000,000.

Hotel and store, Chicago, Ill., Nov. 5, A. G. Halas, $1,000,000.

Hotel, Tulsa, Okla., Shephard & Wiser, archts., taking bids, $1,000,000.

Large Contracts Let During Week

Exchange, Cleveland, O., Ohio Bell Telephone Co. to Lundoff-Bicknell Co., $7,500,000.

Office, Chicago, Ill., Standard Oil Co. to J. Griffiths & Son, $2,000,000.

Theatre and Hotel, Chicago, Ill., Hydestone Building Corp. to J. A. Lindstrum Co., $1,500,000.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Va., Berryville—Voted $55,000 bonds, for 6 m.g. retaining reservoir on Grind Hill. J. S. Goldsmith, mayor.

Fla., Stuart — Election Oct. 27, $200,000 bonds, improving waterworks. J. E. Taylor, mayor.

Ala., Opelika—Election Oct. 23, $225,000 bonds, waterworks.

Ala., Phenix City—Voted $125,000 bonds, waterworks improvements.

Miss., Gulfport—Harrison Co. Bd. Educ., C. J. Darby, supt., received no bids Sept. 8, deep well for Dedeaux Consolidated School, alternate bids on deep well with 18 in. above ground guaranteed flow, also unit process on same 3 in. diam., 40 ft. strainer, 2 joints galvanized pipe above ground, etc. Will readvertise. Noted Sept. 3.

Miss., Hollandale — Plans drilling deep well with 300 g.p.m. guaranteed flow.

Mich., L'Anse — A. G. Ohman, city clk. soon takes bids 100,000 gal. concrete water storage tank. To exceed $15,000. Engineer not selected.

Ill., Staunton — City postponed opening bids Sept. 30, for earth dam, concrete spillway, core wall, bridge, intake, 4,000 sq.yd. brick paving on dam, 8,000 ft. 12 in. c.i. pipe, 2 m.g. filtration plant, steam heating plant, 200,000 gal. capacity concrete reservoir, 100,000 gal. capacity tank on tower, two 700 g.p.m. 100 ft. head, one 500 g.p.m. 50 ft. head, one 500 g.p.m. 125 ft. head and one 1,000 g.p.m. 125 ft. head motor driven pumps, 2 mi. transmission line, 2 mi. telephone line, etc. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted Sept. 10.

Ia., State Center—Voted $25,000 bonds, waterworks and distribution system. Brown & Cook, Ottumwa, engrs. Noted Aug. 20.

Kan., Eldorado—Election soon to vote on bonds, waterworks and distribution system. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Oct. 1.

Kan., Toronto—Making plans waterworks and sewerage system. $70,000. F. E. Devlin, 614 Bitting Bldg., Wichita, engr.

S. D., Pierre — Soon takes bids waterworks improvements, incl. drilling well, supplies, etc. $100,000 bonds voted. F. J. Starkey, city aud.

Mo., Buffalo — Voted $40,000 bonds, waterworks and distribution system, incl. deep well, pumping equipment, tank on tower, mains, etc. Russell & Axon, McDaniel Bldg., Springfield, engrs. Noted Aug. 6.

Mo., St. Louis—Water Dept. making preliminary plans two 30 m.g. daily capacity pumps, $412,500; two 40 m.g. and one 60 m.g. daily capacity pumps, $237,500; water tube drum-type boilers, etc., $525,000. E. E. Wall, City Hall, dir.

Mo., Tipton—Plans election bonds to exceed $15,000 new water and sewerage systems.

Tex., Frost — Making plans waterworks improvements, incl. mains, pumps, etc. $46,000. H. B. McAllister, Waco, engr. Noted Sept. 3.

Tex., Gainesville—Plans waterworks and sewer improvements. $30,000. Engineer not announced.

Tex., Huntsville — Making plans waterworks, incl. motor and compressor, 150,000 gal. reservoir and 2 mi. 6 in. mains. $40,000. Engineer not selected.

Tex., Kemp—Making plans waterworks and sewerage systems, incl. pumping equipment and disposal plant, etc. $100,000 bond election soon for same. Koch & Fowler, Central Bank Bldg., Dallas, engrs.

Tex., Teague—Election Oct. 27, $45,000 bonds waterworks improvements. Jno. B. Hawley, Cotton Exch. Bldg., Fort Worth, engr. Noted July 2.

Okla., Bethany—Election Oct. 20, $45,000 bonds, new waterworks, incl. well, tank, pump, motor and distribution system. H. E. Musson, Grain Exch. Bldg., Oklahoma City, engrs. Noted Sept. 24.

Okla., Frederick—Election soon to vote on bonds for reservoir and storm sewers in various streets. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Sept. 24.

Wash., Seattle—City plans to appropriate $45,000, relining Volunteer Park Reservoir.

B. C., Nelson—Election Oct. 14, $115,000 bonds, new water supply system. Engineer not selected.

BIDS DESIRED

Mass., Boston — Oct. 19, by Dept. Pub. Wks., Boston, laying and relaying mains in various streets in Brighton and West Roxbury; Oct. 20, in Hyde Park. $15,000. J. A. Rourke, comr.

N. Y., Brooklyn—Oct. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Dahlgren and Mansfield Places, Battery, Central, Euclid, Narrows, Remsen, Stilwell, Tilden, 4th, 5th, 9th and 16th Aves., Coleman, Henry, 81st, East 2nd, 5th, 27th, 32nd, 33rd, 35th and 59th Sts., here.

N. Y., Long Island City—Oct. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Pell and 37th Aves., 108th and 114th Sts.; Curtis St., 42nd, 44th and 45th Aves., 2nd Ward; 172nd St., Leith Rd., Quince and 32nd Aves., 3rd Ward, here.

N. Y., New York — Oct. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc. in Harlem River and Eden Terraces, Bronx Blvd., Pelham Parkway North, Claremont Parkway, Grinnell and Jessup Places, Drews, Faraday, Findlay, Palisade, Park, Sylvan, Carpenter, Matilda, Richardson, Adee, Beach, Bogart, Boyd, Coddington, Colden, Cruger, De Lavall, Edson, Fenton, Hickory, Hobart, Hollywood, Hone, Kingsland, Laconia, Library, Mace, Matthews, Morgan, Van Nest, Wallace, Waterbury, Wilder, Wilson Baychester, Corclear, De Reimer, Edison, Ellsworth, Forler, Johnson, Kossuth, Laconia, Miles, Neill, Netherland, Randall, Roberts, Rosedale, Trinity and Vincent Aves., Strong, Magenta, East 163rd, 164th, 168th, 237th, 239th, 240th, 226th, 142nd, 145th, 174th, 210th, 222nd, West 235th, 238th, 255th, and 240th Sts.

Pa., Duquesne — Carnegie Steel Co., Carnegie Bldg., Pittsburgh, taking bids 1 and 2 story, 50 x 56 ft. water purification plant, brick incl. reaction tanks, etc., here. W. B. Scaife & Sons Co., Oakmont, engrs.

Miss., Philadelphia—Taking bids 30,120 ft. 6 and 8 in. c.i. watermains and 7,000 ft. 8- to 15-in. vitr. clay sewers, etc., in various streets. M. L. Culley, 1st Natl. Bank Bldg., Jackson, engr.

Tenn., Memphis—Oct. 21, by Bd. Water Comrs., 105 North 2nd St., 1,000 or 2,000 c.i. rims and covers for 15 in inside measurement concrete meter boxes, to have 11 in. lids, with locking device acceptable to Board and to stand directly applied load of 3,000 lbs.

O., Cleveland—Oct. 21, by Comrs. Cuyahoga Co., 3,700 ft. 8 in. c.i. mains in various streets, to exceed $15,000; 16,000 ft. 6 and 10 in. c.i. mains in Hollywood and Ridge Rds., to exceed $15,000. F. Williams, Court House, engr.

Neb., Grand Island—Oct. 20, by H. E. Clifford, city clk., rein.-con. reservoir and valve chamber, one 10 x 200 ft. chimney for power plant, two 2,500 g.p.m. centrifugal pumps and buildings. $150,000. C. L. Pillsbury Co., 2344 Nicollet Ave. S., Minneapolis, Minn., engrs. Noted Aug. 20 under "Buildings—Industrial."

Tex., Calallen — Taking bids filtration plant, incl. 8,200 yds. earth excav., 55 tons reinforcing, 410 ft. 8- to 18-in. tile drain, etc. $35,000. N. Werenskiold, 401 Marvin Bldg., Dallas, engr.

BIDS RECEIVED

New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Oct. 9, alterations, etc., to 72 in. pipe line in Conduit Blvd., etc., in Queens and Nassau Counties, from Riverdale Water Works, 355 East 113th St., New York City, $49,995. Noted Oct. 8.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Oct. 6, mains, etc., in Hampton Ave., here, from Knight & DeMicco, 448 East Tremont Ave., New York City, $32,325. Noted Oct. 1.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Oct. 9, mains, etc., in Borden Ave., here, from S. Gallucci & Sons, Railroad Ave., Corona, $16,100; and in various other streets, from Draganette Constr. Co., 1123 Clinton Ave., New York City, $12,494. Noted Oct. 8.

Waterworks (Continued)

CONTRACTS AWARDED

Conn., Ansonia—Ansonia Water Co., dam on site of present dam, to Immick Co., State St. extension, Meriden. Engrs. est. $25,000.

O., Cincinnati—Dir. Pub. Serv., 38,450 ft. 16- to 24-in. c.i. mains and special castings and valves from Western Hills Pumping Station to Mt. Airy, to W. Hennigan, 7011 Montgomery Rd., Norwood, $88,585. Engrs. est. $110,000. Noted Oct. 8.

O., Cleveland—Cuyahoga Co., 4,600 ft. 6 and 8 in. c.i. mains in Villa Park subdivision, Impvt. 564, to D. M. Zullo, 706 The Arcade, $17,146. Noted Sept. 17.

O., Youngstown—City, 2 pumps, waterworks, to Dravo-Doyle Co., 302 Pennsylvania Ave., Pittsburgh, Pa., $67,250. Engrs. est. $60,000.

Mich., Detroit—Bd. Water Comrs., 6 mi. 6- to 16-in. c.i. mains in various streets, to L. J. Clancy, 3137 Canton Ave., approximately $15,000. Noted Oct. 8.

Ill., La Grange — Park Waterworks improvements, incl. 7,200 ft. 6 in. and 680 ft. 4 in. c.i. mains, 9 gate valves, 17 fire hydrants, etc., to T. H. Iglehart Co., 166 West Bway., Chicago, $25,009. Noted Sept. 17.

Minn., Minneapolis — F. S. Gram, city purch. agt., 2,000 water (American) meters, to Crane Co., 400 3rd Ave. N., at $6.70 each. Noted June 18.

Neb., Superior — Waterworks improvements, Sect. 1, 250,000 gal. steel tank on 100 ft. tower, Sect. 2, brick filter house and Sect. 3, fountain purifier, mixing trough and erecting baffles, to Henningson Eng. Co., Natl. Bldg., Omaha; Sect. 4, 1,200 g.p.m. centrifugal pump, and Sect. 5, two 500 g.p.m. centrifugal pumps each direct connected to 3 phase, 220 v. motors, Sect. 7, one 6 x 6 single cylinder air compressor complete with motor and air tank, Sect. 8, three 8 x 14 ft. pressure filters, Sect. 9, coagulent feeder, Sect. 11, 2 alum tanks and orifice box, Sect. 12, piping valves and fittings, and Sect. 13, installing piping, pumps, chemical feeds, air wash equipment, electric wiring and all piping for clear well, to Interstate Mchy. & Supply Co., 1006 Douglas St., Omaha; Sect. 10, dry lime machine, to Wallace & Fiermon. Sect. 14, labor and material to algae proof filter settling basin, and Sect. 15, filter plant and 1 year supervision, to R. N. Perkins, 2584 Laurel St., Omaha.

Tex., Amherst—Waterworks and 2 wells complete, to Gantt-Baker Co., 1116 West Main St., Oklahoma City, Okla., $45,600. Noted Oct. 1.

B. C., Vancouver — City, 18- to 36-in. valves, with 124- to 200-lb. air pressure, to A. J. Forsythe & Co., 1080 Hamilton St., $19,081.

Sewers

PROPOSED WORK

Mass., Lexington — Voted $28,000 bonds for sewerage work and new mains in various streets. Private plans.

Fla., Stuart — Election Oct. 27, $75,000 bonds, sewers in various streets. J. E. Taylor, mayor.

O., Massillon — Plans storm water sewer in Kendal allotment. $85,000-$100,000. C. E. Rice, Massillon, engr.

Wis., Crandon — Making plans sanitary sewers in various streets. To exceed $25,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Minn., St. Paul — Made plans sewers in various streets, incl. St. Paul Ave. Sewers 1 and 2. $253,473. G. M. Shepard, city engr.

Kan., Toronto—See "Waterworks."

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans East Rock Creek Joint Sewer, rein.-con., segmental tile and vitr. clay pipe, $290,000; also vitr. clay sewer in Dale Ave. Sewer Dist. 6, $3,300. W. W. Horner, 300 City Hall, engr.

Mo., Tipton—See "Waterworks."

Tex., Houston — Soon takes bids storm sewers, etc. in Canal St. from Milby St. to city limits. $73,000. J. C. McVea, city engr.

Tex., Jacksonville — Plans sewerage system. $35,000. G. L. Fugate, 309 East 5th St., Houston, engr. Noted Aug. 20.

Tex., Wichita Falls—Election Nov. 10, $75,000 bonds extending sewers in various streets. Engineer not selected.

Okla., Frederick—See "Waterworks."

Wash., Ferndale — City Council plans trunk sewer, septic tanks, etc. $32,000.

Ont., Toronto—York Twp. soon takes bids vitr. clay sewers in 1,150 ft. Wallis Ave., 1,150 ft. Guy St., 1,150 ft. Luke St., 1,150 ft. Strathearn Rd., 1,120 ft. Gloucester St., 1,000 ft. Bude St. $34,310; also plans 12 in. vitr. tile sanitary and storm sewers in 2,300 ft. Livingston Ave., $12,200, and 2,300 ft. Silverthorne Ave., $12,930. F. B. Goedike, 40 Jarvis St., Toronto, engr.

BIDS DESIRED

Mass., Hyde Park (Boston P. O.), **Mass.**—Oct. 19, by Dept. Pub. Wks., Boston, sewerage works in Sumner Brook in private land from Neponset River to River St., here. $25,000. J. A. Rourke, comr.

N. Y., Glen Cove—Oct. 23, by City Clerk, City Hall, extending sewers in various streets, Contr. 1; Imhoff tanks, chlorine building, etc., Contr. 2; pumping station, Contr. 3. Fuller & McClintock, 170 Bway., New York City, consult. engrs.; adv. E. N.-R. Oct. 15.

N. J., Jersey City — Oct. 27, by Bd. Comrs., City Hall, constructing extension of Jackson Ave. outlet sewer from its present easterly terminus to exterior line for piers in New York Bay. E. J. Holland, city clk.; adv. E. N.-R. Oct. 15.

Wis., Milwaukee—Oct. 20, by Metropolitan Sewerage Comn., 508 Market St., J. H. Fowles, secy., two 600 gal. ejector pots for booster station, Fairmount Ave.

Tex., San Angelo — Oct. 20, by City Manager, new sewage treatment works. $85,000. Terrell Bartlett Co., Calcasieu Bldg., San Antonio, and Municipal Excavator Co., 200 East Main St., Oklahoma City, Okla., engrs.

Calif., Pomona — Oct. 27th, by Black & Veatch, engrs., 701 Mutual Bldg., Kansas City, Mo., sewage disposal plant, here for City. $125,000. Noted March. 26.

Ont., Hamilton—Nov. 16, by T. W. Jutten, mayor, for 5 vertical sewage pumps suction and discharge piping, etc., for Gage Ave. Sewage Pumping Station; and 2 horizonal standby sewage pumps, gasoline motors, and reduction gears, for same station. $195,000. W. L. McFaul, city engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Oct. 7, sanitary trunk sewer, etc., in Amsterl Ave. from Beach 62nd St. to Far Rockaway Blvd., etc., from Necaro Co., 97 Court St., Brooklyn, **(a)** $1,087,224 **(b)** $992,268. Noted Oct. 1.

Md., Baltimore—Bd. Awards, constructing Run Interceptor, Sect. 3, in Sewer Dist. H-13, Contr. 266, from N. Martell, 417 South Eden St., $54,510. Noted Oct. 1.

O., Cincinnati—Director Pub. Serv., Sept. 16, 1,675 ft. 51- to 78-in. brick sewer in Observatory Rd., from Connelly Bros., 2nd Natl. Bank, $52,965. Engrs. est. $59,100. Noted Sept. 10.

Wis., Antigo — Bd. Pub. Wks., G. O. Palmiter, city clk., Oct. 1, 13,801 ft. 10- to 42-in., and 2,427 ft. 10- to 36-in. concrete and vitr. sewers in various streets, from Blunt Bros., Waterloo, Ia., $78,000. Noted Sept. 24.

Tex., Houston—Storm sewers in 6th St. from Usener to Yale Sts., from Houston Constr. Co., 201 Standard Lithograph Co., $28,515. Engrs. est. $30,000.

Calif., Huntington Park — City, 137,750 ft. 8- to 18-in. lateral sewers in various streets, from City Sewer Contractors, 410 Pacific South West Bank Bldg., Long Beach, $137,029.

Calif., Los Angeles — Los Angeles Co., 15,556 ft. 21 and 27 in. concrete trunk sewer in Sanitation Dist. No. 5, from Mlagenovich & Gillespie, 1028 West 36th St., $51,432, engrs. est. $80,000, 3,610 ft. 15 in. rein.-con. sewer in Whittier Blvd. Sanitation Dist. 2, from S. M. Milovich, 411 Whittier Blvd., Montebello, $10,031, engrs. est. $12,000.

CONTRACTS AWARDED

Me., Lewiston — See "Buildings — Industrial."

Conn., Manchester—Bd. Comrs. 8th Dist. Utilities Main and Hilliard Sts., 4 mi. 8- to 15-in. sewers in southwestern section, to N. C. Casciano, 20 Lilly Rd., West Hartford. Engrs. est. $60,000. Noted Sept. 24.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., sewer, etc., in Cornell Ave., etc., to Spad Arrow, Inc., 169th St. and Harlem River, $612,570, in Potter Pl., etc., to A. Gregorio & Co., Inc., 1121 Neil Ave., $114,-650. Noted Oct. 1.

N. Y., New York — See "Streets and Roads."

N. Y., Tonawanda—Sewage disposal plant in Ellicott Creek Rd., to W. L. Rose, 149 Adam St., $400,000.

Pa., Pittsburgh — Sewers in Windgap Ave., to J. B. Reed, 550 Bway. Engrs. est. $30,000.

Mich., Caspian—For sewage disposal plant 33,450 lin.ft. 8- to 15-in. sanitary and 7,700 lin.ft. 10 in. storm sewers in various streets, to Martin Constr., Albert Lee, Minn., $66,000.

Mich., Detroit—Dept. Pub. Wks., brick and concrete sewers in Fenkell Ave. Arm East, Mill Rd. Sewer, also Gratiot Ave. Arm, Seven Mile Rd. Sewer, to W. Blatek & Co., 47 Mile Rd. E., $101,957 and $104,-339 respectively; State Fair Arm West Sect. 1, Connors Creek Sewer, to A. Healy, 12198 Wyoming Ave., $162,585; Van Dyke Ave. Arm, North, Seven Mile Road Sewer, to J. Rossi, 4148 Seneca Ave., $37,-578; force main for Lonyo Road Pumping Station, to R. D. Baker, 1631 Elmhurst Ave., $40,596. Grand total $447,067. Noted Sept. 24.

Mich., Plymouth — Sewer across Rouge River and sewage treatment works, to O. R. Crow Co., Plymouth. Engrs. est. $32,-500. Noted Sept. 3.

Mich., Port Huron—North End Sanitary Sewerage System, incl. 6 mi. 12- to 36-in. vitr. and concrete pipe, pumping station, etc., to O. Johnson Constr. Co., Port Huron, $69,625. Noted Sept. 17.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., North Side Intercepting Sewer, Contr. 7, to Amer. Sewer & Drain Constr. Co., Kenilworth and Central Park Ave., $384,560; and Contr. 8, to Nash & Dowdle Co., 77 West Washington St., Chicago, $354,200. Noted Sept. 24.

Ill., La Grange Park—See "Streets and Roads."

Mo., St. Joseph—Bd. Pub. Wks. 3,300 ft. 4 ft. rein.-con. sewer in Florence Addition, to O. H. Schmidt, Bartlett Trust Bldg., $25,724. Noted Oct. 8.

Mo., St. Louis—For 32,425 ft. 8- to 45 in. sewers in Baden Sewer Dist. 4, to Riley Contg. Co., 110 North 7th St., $131,563. Engrs. est. $160,000. Noted Oct. 8.

Okla., Garber—City Clerk, 8,780 ft. 8- to 10- in. sewers, etc. in Dist. 1, to J. Tilley & Sons, Garber, $10,700. Noted Sept. 17.

Calif., Alhambra—Rein.-con. storm drain in Ramona Blvd., etc., to Callahan Constr. Co., 528 Laughlin Bldg., Los Angeles, $53,-059. Engrs. est. $55,000.

Ont., Toronto—East York Twp., 4,000 ft. 48- to 54-in. concrete trunk sewer in Danforth Park, Secord Dist., to J. H. McKnight Constr. Co., 77 St. Davids Ave., Toronto, $98,951. Engrs. est. $122,000.

B. C., Point Grey — Marine Dr. Trunk Sewer and Magee Area Relief Sewer, to Nickson Constr. Ltd., Georgia Viaduct, Vancouver, $75,878; also lateral sewer, to N. Cosco, 1174 Bway. W., Vancouver, $8,510.

Bridges

PROPOSED WORK

O., Toronto—Syndicate, c/o G. E. Myers, Toronto, plans 1,500 ft. cantilever bridge over Ohio River. $600,000.

Wis., Racine—H. A. Nelson, comr. Pub. Wks., making plans approximately 270 ft. steel girder type bridge with concrete piers, approaches, 36 ft. roadway and two 8 ft. sidewalks, etc., at 6th St. $52,000. H. J. Hansen, 1423 Dean Blvd., engr. Noted Sept. 3.

Kan., Alma—See "Streets and Roads."

Missouri — State Hy. Dept., Jefferson City, plans two 8 ft. rein.-con. slab spans, etc., over Big Creek, two 12 ft. and 20 ft. rein.-con. slab spans, etc., over stream, two 20 ft. rein.-con. slab spans, etc., over Doe Run, three 35 ft. rein.-con. deck girder spans, etc., over Buck Run, and one 80 ft. steel truss span, etc., over Honey Creek, all foregoing in Clark Co.; one 45 ft. deck girder span, etc., over Chicago & Alton R.R. tracks, Howard Co.; three 12 ft. rein.-con. slab spans, etc., over Dry Auglaize Creek, Laclede Co., and three 24 ft. I-beam spans, etc., over drainage ditch, Mississippi Co. B. H. Piepmeier, highway engr.

Mo., St. Louis—Making preliminary plans rein.-con. and steel viaduct to carry Kingshighway N. W. over Terminal R.R. Assn. tracks at Penrose Park. $210,000. Terminal R.R. Assn. appropriates $125,000 toward cost. L. R. Bowen, 301 City Hall, engr.

Tex., Rock Springs — See "Streets and Roads."

Tex., San Antonio — See "Streets and Roads."

Tex., Seymour—See "Streets and Roads."

Wash., Seattle — Comrs. King Co. take bids about Jan. 1, 260 ft. concrete and steel viaduct over ravine on Des Moines Highline Rd. $25,000. D. Evans, 1522 33rd St., bridge engr.

BIDS DESIRED

N. J., Jersey City—Nov. 2 at office State Hy. Dept., Trenton, for steel and concrete viaduct, first section of highway known as Route 1 extension, between Jersey and Palisade Aves., here. A. L. Grover, secy.; adv. E. N.-R. Oct. 15.

Bridges (Continued)

Ohio — Oct. 23, by Dept. Highways & Pub. Wks., Columbus, bridges, etc., on roads in Portage, Sandusky, Washington and Wood Counties. $127,706. G. Schlesinger, dir.

Illinois—Oct. 23, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, substructure for one 140 ft. steel span and two 55 ft. concrete girder approach spans, Route 1, Sect. 42-B, and superstructure for one 140 ft. steel span, Route 1, Sect. 42-C, both Saline Co.; one 180 ft. steel span and eight 40 ft. I-beam approach spans, etc. Route 4, Sect. 23-B, Logan Co.; five 66 ft. span deck girder bridge, Route 5, Sect. 15-B, Winnebago Co.; one 30 ft. and one 35 ft. concrete girder bridge, Route 8, Sect. 42-B, one 50 ft. concrete girder bridge and substructure for one 170 ft. steel and eleven 50 ft. concrete girder approach spans, Route 8, Sect. 44-B, superstructure for one 170 ft. steel span, Route 8, Sect. 44-C, all in Knox Co.; two 20 ft. concrete slab bridges and one 60 ft., one 40 ft. and one 50 ft. concrete girder bridge, Route 9, Sect. 8-B, Tazewell Co.; extensions to 2 existing slabs one 18 ft. and one 30 ft., and one 30 ft. concrete girder bridge, Route 9, Sect. 47-B, Vermilion Co.; substructures for one 80 ft. and one 200 ft. steel and one 40 ft. concrete girder bridges, Route 13, Sect. 12-E, steel superstructures for one 80 ft. and one 200 ft. steel span bridge, Route 13, Sect. 12-C, both Jackson Co.; six 40 ft. concrete girder span bridge, Route 14, Sect. 11-B, White Co.; two 40 ft. concrete girder spans, Route 23, Sect. 26-B, De Kalb Co.; one 30 ft. concrete girder bridge Route 39, Sect. 1-B, McLean Co.; three 60 ft. span concrete girder bridge, Route 40, Sect. 8-B, Whiteside Co.; three 35 ft., concrete girder span bridge, Route 41, Sect. 112-B, Cook and Lake Counties. F. T. Sheets, ch. engr.

Kan., Kingman—Nov. 9, by Clerk Kingman Co., twenty-eight 30 ft. concrete deck girder spans, on Federal Aid Project 245-A. C. C. Martin, Kingman, co. engr.

Kan., Paola — Nov. 5, by Clerk Miami Co., 1 span 120 ft. steel bridge on Federal Aid Project 293-C. F. Gardner, Paola, engr. Noted Aug. 27.

South Dakota—See "Streets and Roads."

Tex., Wichita Falls — Oct. 23, by B. D. Sarten, judge Wichita Co., 3,021 ft. steel I-beam and rein.-con. bridge, across Red River, for Wichita Co., Tex., and Cotton Co. (Walters) Okla. $300,000. J. M. Isbell, Wichita Falls, Tex., co. engr. W. C. Burnham, Oklahoma City, bridge engr.

BIDS RECEIVED

New Jersey and Pennsylvania — Joint Bridge Comn. for Elimination of Toll Bridges over Delaware River, Trenton, Sept. 23, reconstructing and repairing masonry of bridge across Delaware River, from Stockton, Hunterdon Co., N. J. to Centre Bridge, Bucks Co., Pa., from J. McCormick, Easton, Pa., $51,000.

N. J., Somerville—Freeholders Somerset Co., Sept. 18, 5 rib concrete arch bridge with 63 ft. clear span, 30 ft. clear roadway, and two 7 ft. sidewalks over Peter's Brook, from Crook Sutton, Neshanic St., Neshanic, $32,000.

South Carolina—See "Streets and Roads."

Tex., Texas City — See "Streets and Roads."

CONTRACTS AWARDED

New Jersey and Pennsylvania — Joint Bridge Comn. for Elimination of Toll Bridges over Delaware River, Trenton, renewals and repairs to bridge over Delaware River, between Phillipsburg, N. J., and Easton, Pa., to C. Poinsett, 37 Maple Ave., Trenton, $43,000.

Pennsylvania—State Hy. Dept., Harrisburg, to Dubois Constr. Co., Dubois, constructing 3 span, 492 ft. through steel truss bridge over Susquehanna River, on Route 10, Great Bend Twp., Susquehanna Co., incl. 2,000 cu.yd. dry excav. at $3 per cu.yd., 570 cu.yd. wet excav. $15, 1,244 cu. yd. Class "B" concrete $18, and 300 cu.yd. Class "A" concrete $24, total $123,530.

Pa., Croydon (Bridgewater P. O.) — Comrs. Bucks Co., Doylestown, 3 span arch, 280 ft. rein.-con. bridge over Neshaminy Creek, between Bristol and Bensalem Twps., here, 229,230 lb. steel, etc., to A. K. Eckert, Doylestown, $95,000. Noted Sept. 10.

Louisiana—See "Streets and Roads."

O., Cincinnati—Hamilton Co., rebuilding concrete superstructure 4 span, 224 ft. bridge, on Kilby Rd., to United Constr. Co., 408 Lyric Bldg., $16,470. Engrs. est. $25,000. Noted Oct. 8.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 12, Sect. 17-V, Marion Co., to Zimmerly Bridge Co., Paris, $25,192. Noted Feb. 26.

Ia., Sioux City — Concrete viaduct over Chicago, Milwaukee & St. Paul R.R. tracks and City Service Co., at Riverside Ave., to W. A. Klinger, Warnock Bldg., $26,381. Noted Sept. 3.

Kan., Hiawatha—Brown Co., concrete and steel bridge across Wolf River, on Federal Aid Project 265 and several other bridges, to F. Gundeman & Sons, Netawaka, $20,759; 24-S-7 box 9 x 9 ft., to J. Meredith, Hiawatha, $819; and 13-0-7 6 x 6 ft. rein.-con. box, to C. T. Hardy, Hiawatha, $760. Grand total $22,338. Noted Sept. 17.

Arkansas—State Hy. Dept., Little Rock, 19 ft. steel and timber bridge across Cache River, Craighead Co., to J. W. Cocington, Benton, $5,979; 3 concrete bridges in Madison Co., to Meyer & Greenwald Constr. Co., Monroe, La., for State Hy. Dept., Craighead Co. (Lake City), Madison Co. (Huntsville) and Pulaski Co. (Little Rock). $28,089. Noted Sept. 24.

Tex., Hemphill—See "Streets and Roads."

Tex., San Diego — See "Streets and Roads."

Dams

PROPOSED WORK

Tex., Knippa — Uvalde Co. Irrigation Dist., Uvalde, granted permission by State Bd. Engineers to construct dam across Frio River, 20 mi. above here, irrigating 40,000 acres. $1,750,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted May 15.

Tex., Rule—Brazos Valley Water Impvt. Dist. 1, c/o G. S. Plants, pres., Seymour, and E. W. McGlothlin, secy., Bomerton, plans dam at junction Salt Fork and Double Mountain Fork, Brazos River, near here. $35,000. Engineer not announced.

CONTRACTS AWARDED

Mass., Monroe (mail Readsboro, Vt.)—See "Buildings—Industrial."

Mont., Helena—Northern Pacific R.R. Co., Railroad Bldg., St. Paul, Minn., constructing rein.-con. dam and spillway at mouth McClellan Creek near here, to Donovan Constr. Co., 1101 Builders Exch. Bldg., St. Paul, Minn., about $50,000.

Railways

PROPOSED WORK

Missouri — Terminal R.R. Assn., Union Station, St. Louis, H. J. Pfeifer, ch. engr., soon takes bids twenty-one 1,000 ft. storage tracks for pullman and passenger coaches on both sides Jefferson Ave. south of Atlantic St., incl. switch tracks, spurs, etc. In conjunction with above, City of St. Louis plans extending Jefferson Ave. viaduct, rein.-con., to point 360 ft. northward. $500,000, entire cost to be paid by Terminal R.R. Assn.

British Columbia—Canadian Natl. Railways, 230 St. James St., Montreal, Que., making plans spur line to connect Great Northern line to roadway over 2nd Narrows bridge to North Vancouver. $30,000. C. B. Brown, ch. engr.

CONTRACTS AWARDED

Maine—See "Buildings—Industrial under Lewiston, Me."

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

N. J., Seagirt — Boro plans 2 timber jetties on beach front between Trenton and Phila. Blvd. $18,000. Engineer not selected.

Mich., Detroit—Dept. Public Wks. plans 1 mi. dredging Connors Creek from point 300 ft. south of Jefferson Ave. to Detroit River, etc. $60,000. P. A. Fellows, City Hall, engr.

Ill., Sycamore — De Kalb Co. rejected bids Oct. 1, cleaning out 15,000 cu.yd. creek channel. W. M. Hay, De Kalb, engr. Noted Jan. 1.

Minn., Minneapolis—Hennepin Co., A. P. Erickson, aud., plans draining Richfield Twp. into Lake Nokomis, incl. 104,000 lin.ft. tile, 2 electric and 1 gasoline motor driven pumps, 10,000 g.p.m. total capacity. $60,000.

Oklahoma — Cook Co. (Sapulpa), Okmulgee Co. (Okmulgee), Okfuskee Co. (Okemah), Lincoln Co. (Chandler) and Oklahoma Co. (Oklahoma City), making surveys reclaiming 250,000 acres land, (35,000 acres in Creek Co.), creating several artificial lakes for irrigation purposes, dredging channel, etc. $2,000,000 bond election soon. R. Flood, Sapulpa, engr.

BIDS DESIRED

Louisiana—Nov. 24, by State Hy. Comn., Baton Rouge, hydraulic fill and enlgarging embankment on 9.96 mi. Hammond-New Orleans Highway, Federal Aid Project 156, Sect. A, Jefferson Parish, and 5.35 mi. Sect. B, St. Charles Parish. W. B. Robert, highway engr.; adv. E. N.-R. Oct. 15.

Neb., Omaha—M. B. Griffin, 1107 Trust Natl. Bank Bldg., taking bids excavation for 1 story, 40 x 100 ft. restaurant and 132 x 167 ft. theatre, brick, stone, marble and terra cotta, 20th and Farnam Sts. Archts. total est. $1,000,000. J. Eberson Co., 212 East Superior St., Chicago, Ill., archts.

Okla., Chandler—Oct. 26, by A. Burgess, clk. Lincoln Co., drainage ditch to serve Quapaw Creek D. D. 5, 79,600 cu.yd. earth and 14,325 cu.yd. rock excav. $32,600. C. A. Wood, Stillwater, engr.

Canada—Oct. 21, by S. E. O'Brien, secy. Bd. Pub. Wks., Ottawa, Ont., dredging at Victoria, B. C., $75,000; and repairing jetty at Nicolet, Que., $13,300.

Que., Nicolet—Oct. 20, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldg., Ottawa, Ont., 1,200 ft. crib jetty, here. $30,000. K. M. Cameron, Ottawa, engr.

CONTRACTS AWARDED

La., New Orleans—New Orleans Levee Bd., New Courthouse Bldg., removing 1,000,000 cu.yd. dirt forming levee along 11 mi. stretch on east bank Mississippi River, below Point-a-la-Hatche, to Ogden & Lewis, c/o New Orleans Levee Bd., at $0.117 per cu.yd., total $117,000.

Ill., Crete—Comrs. D. D. 5, Crete Twp., c/o F. E. Gaines, clk., 6.5 mi. open ditch, incl. 49,671 cu.yd. excav., to Engel & Meiser, Monterey, Ind., $8,851. Noted Sept. 3.

Mont., Bynum—Bynum Irrigation Assn., irrigating approximately 25,000 acres, Teton Co., to Winston Bros., 801 Globe Bldg., Minneapolis, Minn., $304,847.

Streets and Roads

PROPOSED WORK

Mass., Waltham (Ind. br. Boston) — Plans widening Prospect St. $25,000. Private plans.

N. J., Margate City (mail Ventnor) — Plans graveling various streets. $25,000. H. N. McConnell, city clk. Engineer not selected.

Pa., Washington—Washington Co., election Nov. 13, $2,000,000 bonds, for road construction. G. S. Chaney, Washington, co. engr.

W. Va., Clarksburg—Harrison Co. plans grading and paving 11.25 mi. Nutter Fort-Barbour Co. line Rd., 16 ft. $260,000. State Road Comn., appropriates $150,000 toward cost. G. L. Coyle, Clarksburg, engr.

Ga., Augusta — Richmond Co., election Nov. 4, $700,000 bonds, hardsurfacing various roads. J. R. Philips, comr.

Ga., Waycross—Plans paving 110 blocks various streets.

Fla., Stuart—Election Oct. 27, $150,000 bonds, grading, paving and curbing various streets; and $25,000 bonds, grading and paving parks. J. E. Taylor, mayor.

Miss., Yazoo City — City rejected bids grading, curbing and paving 12 blocks various streets. $40,000. Will readvertise. Noted July 16.

La., Baton Rouge—East Baton Rouge Parish election Oct. 20, $75,000 bonds, graveling various roads.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 15 mi. Clarksville-Houston Co. line Rd., Montgomery Co. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans improving 5 mi. Eatons Cross Roads to Knox Co. line, London Co. J. G. Creveling, highway comr.

Tenn., Clinton—Anderson Co. plans improving 18 mi. Clinton-Fork Mountain Coal Co. Rd. To exceed $25,000. Noted Aug. 27.

Tenn., Humboldt — Gibson Co. voted $500,000 bonds, improving various roads.

O., Brooklyn Heights (Cleveland P. O.)—Election Nov. 3, $56,500 bonds, paving various streets. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engrs.

O., Canton — Plans grading, sidewalks, curbing and asphalt paving 1 mi. Myrtle Ave. N. W., 50 ft. $125,000. W. E. Sarver, City Hall, engr.

O., Canton—Stark Co., plans laying sidewalks and asphalt widening 2.5 mi. Canton-North Canton Rd., 48 ft. $150,000. A. M. Wise, Court House, engr.

Streets and Roads (Continued)

O., Garfield Heights (Bedford P. O.) — Election Nov. 3, $180,000 bonds, paving Turney Rd., East 131st St. and Bway. R. Munz, Town Hall, engr.

O., Rocky River (Cleveland P. O.)—Election Nov. 3, $150,000 bonds, paving and widening Detroit and Wooster Rds. E. H. Arnold, Town Hall, engr.

O., Solon—Village plans paving Hall St. and Solon Rd., to exceed $25,000.

Michigan—See "Contracts Awarded."

Mich., Lincoln Park — (mail Detroit) — Wayne Co. Drain Comn., County Bldg., Detroit, made plans LeBlanc Drain, Ecorse and Taylor Twps., incl. Sect. A, 14,197 ft. 2 bbl. rein.-con., each barrel 7¾ x 8 ft., 12 in. shell; Sect. B, 4,233 ft. 2 bbl. section, 7¾ x 8 ft., 12 in. shell; Sect. C, 2,434 ft. rein.-con., 11 ft. diam. 12- to 17-in. shell; Sect. D, 3,476 ft. 6 ft. diam.; Sect. E, 3,695 ft. 72 in. rein.-con., 8½ in. shell; Sect. F, 1,356 ft. 72 in. and 2,343 ft. 60 in., 7 in. shell, Sect. G, 1,672 ft. 42 in. diam., circular concrete, 7 in. shell; Sect. I, 2,486 ft. 48 in. 2 ring brick; Sect. K, 3,312 ft. 48 in. 2 ring brick; Sect. L, 2,838 ft. 48 in. 2 ring brick or concrete, Sect. M, 1,655 ft. 72 in. circular concrete 12 in. thick. G. A. Dingman, co. drain comr.

Ill., East St. Louis — Takes bids about Nov. 1, grading, curbing and hardsurfacing Illinois St. from Collinsville to 10th Sts., $33,300; 13th St. from Bway. to Illinois St., $33,300; Exchange St. from 9th to 13th, $20,500 and 18th St. from State to Illinois Sts., $15,900. W. McK. Brown, City Hall, engr.

Ia., Des Moines—Soon takes bids grading, curbing and sheet asphalt, Willite asphaltic concrete, Willite asbestophalt, Warrenite asbestos, bitulithic concrete, vibrolithic or D brick surfacing 5,212 sq.yd. Courtland Dr., 7,480 sq.yd. Crocker St. and 1,843 sq.yd. Clinton St. K. C. Kastberg, City Hall, engr.

Ia., Des Moines — Soon takes new bids sheet asphalt, Willite, concrete, asphaltic concrete, Willite asbestophalt, Warrenite asbestos, bitulithic, concrete, Johnson 1 and 2, D brick or vibrolithic concrete surfacing 4,363 sq.yd. 44th St. and 25,397 sq.yd. Southeast 6th St. Noted June 11.

Kan., Alma — Wabaunsee Co. soon takes bids grading 6.087 mi. Southwest Trail, Federal Aid Project 292-B and D, 28 ft., and two 16 ft. span concrete slab bridge at Station 126 plus 75. F. Itz, Court House, engr.

Kan., Newton — Harvey Co. soon takes bids grading and brick or concrete surfacing 7.7 mi. Meridian Highway, 18 ft. A. Hay, Newton, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans grading, asphaltic concrete or rein.-con. paving, etc., Bowen St. between Virginia and Idaho Sts., $10,000-$10,800; grading, vitr. brick, rein.-con., asphaltic concrete, Warrenite or asphalt paving Catalan St. between Bway. and Minnesota Sts., $13,850-$16,100, Eugene Ave. between Upton and Loughborough Sts., $27,100-$34,400; grading, asphaltic concrete, brick or rein.-con. paving, etc., Duke St. between Gravois St. and Christy Ave. $5,880-$7,700, Lowell St. N. from Gimblin Rd., $22,400-$28,200; grading, asphalt, asphaltic concrete, brick, Warrenite or rein.-con. paving, etc., Dunnica St. between Grand and Giles Sts. $10,750-$12,450, and Park Lane between McLaren and Melrose Sts., $22,500-$24,300; grading, vitr. brick, asphalt or Warrenite on concrete repaving Magnolia Ave. between Gravois and Pennsylvania Aves., $27,900-$34,300; grading, asphalt or Warrenite repaving California St. between Park and Caroline Sts., $5,300-$5,800; grading, shallow granite block, Warrenite or asphalt repaving, etc., Newstead St. between Clayton and Duncan Sts., $19,000-$26,200; grading, asphalt or Warrenite repaving, etc., Kingshighway between Devonshire and Gravois Sts. $179,000-$181,000, Grand Blvd., between Gravois and Miami Sts., $75,000-$76,300; grading, asphalt, Warrenite or asphaltic concrete repaving, etc., Connecticut St. between Grand St. and Russell Pl., $35,000-$39,400, and Wyoming St. between Grand and Oak Hill Aves., $46,500-$54,500. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans grading, curbing and rein.-con. or brick paving cutter St. between Plateau and Dale Sts., $14,070-$16,560; grading, curbing and asphaltic or rein.-con. paving Farlin St. between Cora and Shreve Sts. $7,890-$8,610, Cora St. between Margaretta and Farlin Sts., $6,780-$7,200; grading, curbing and Warrenite, asphaltic concrete, rein.-con., asphalt or amiesite paving Clifton St. between Southwest and Arsenal Sts. $24,400-$27,100, Shreve St. between Margaretta and Lee Sts., $16,900-$18,400; grading, curbing and asphaltic concrete, Warrenite, asphalt, brick, rein.-con. or amiesite paving Pennsylvania St. between Haven St. and Kingshighway Park $67,700-$83,600, Osceola St. between Morganford and Ridgewood Sts. $21,800-$27,700, Thrush St. between Lilian and Prange Sts., $15,100-$17,610; also grading, curbing and Warrenite, asphalt or amiesite repaving Lindell St. between St. and Kingshighway $202,000-$204,400, Cook St. between Grand and Vandeventer Sts. $54,300-$55,200, Cook St. between Thomas and Grand Sts. $12,420-$13,000, and Lee St. between Taylor and Euclid Sts., $60,000-$60,300. W. W. Horner, 300 City Hall, engr.

Tex., Caldwell — Burleson Co. defeated $600,000 bonds hardsurfacing 26 mi. highway, in Road Dist. 1. G. W. Grant, Caldwell, co. judge.

Tex., Dublin—Election soon $40,000 bonds paving various streets. E. C. Fewell, mayor. Engineer not announced.

Tex., Houston—J. C. McVea, city engr., soon takes bids permanent paving Canal St. from Milby St. to Houston Belt & Terminal Ry. tracks, for City. $57,000.

Tex., Olney — Young Co. voted $400,000 bonds, hardsurfacing 30 mi. state highways in Precinct 1; grading and bridging lateral roads. W. F. Parsley, co. judge.

Tex., Port Bolivar— Galveston Co. election soon $200,000 bonds, hard paving on 11 mi. Highway, 18 ft., and building ferry landing, etc. C. C. Washington, Port Boliver, and 3615 P½ St., Galveston, co. engr.

Tex., Rock Springs—Edwards Co. takes bids after Oct. 19, grading, bridging and macadam surfacing 3.4 mi. highway 41, from Rock Springs to Junction with Brackettsville Rd., 18 ft. $31,000. W. E. Simpson & Co., 414 Natl. Bank Commerce Bldg., San Antonio, engr.

Tex., San Antonio — Bexar Co. making plans, grading, graveling and bridging 8.8 mi. State Highway 3, Medio Creek to Medina Co. line, 18 ft. $149,000. A. C. Pancoast, San Antonio, engr.

Tex., Seymour—Baylor Co. making plans grading, constructing 3 bridges over 20 ft. span, etc., on 13.45 mi. State Highway 23, Seymour to Throckmorton Co. line, 26 ft. $179,700. J. G. Rollins, Seymour, engr.

Tex., Teague — Election Oct. 27, $30,000 bonds, paving various streets. Engineer not announced.

Okla., Lindsay — Defeated $37,000 bonds surfacing Creek, Cherokee and Chickasha Sts., Dist. 2. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 17.

BIDS DESIRED

Mass., Boston—Oct. 20, by Pub. Wks. Dept., granite block paving Cornhill St., Pemberton and Scollay Sqs. $25,000. J. A. Rourke, comr.

Mass., Boston—Oct. 21, by Dept. Pub. Wks., recut granite block paving Harrison Ave. and Lincoln St. $25,000. J. A. Rourke, comr.

N. Y., Brooklyn — Oct. 21, by J. A. Guider, boro pres., Boro Hall, curbing and flagging, etc., Alabama Ave. and East 29th St., reconstructing curb corners on Atlantic and Bedford Aves., Ocean and Woodruff Aves., Atlantic and 4th Aves., Flatbush and 4th Aves. and Pacific St. and 4th Ave., asphalt paving, etc., East 29th, Halsey, South Oxford and Union Sts.

N. Y., Long Island City—Oct. 23, by M. E. Connolly, pres., Queens Boro, Queens Subway Bldg., sheet asphalt paving, etc., 97th St., grading, etc., Armory Center, in Plaza at intersection of Beach Channel Dr., Beach 95th and Beach 35th Sts., Rockaway Beach Blvd., Rex Rd., Fern and Wren Places, Polhemas and 107th Aves.

N. Y., New York—Oct. 22, by Park Bd., Park Dept., Arsenal Bldg., 64th St. and 5th Ave., cement paving, etc., park sidewalk of Riverside Dr.

N. Y., St. George—Oct. 22, by Park Bd., Park Dept., Arsenal Bldg., 64th St. and 5th Ave., New York City, grading, etc. park plaza around Band Stand at Westerleigh Park; also bituminous macadam paving, etc. existing drive through Silver Lake Park.

Maryland — Oct. 20, by State Roads Comn., Baltimore, concrete paving 3.5 mi. highway from Cresaptown toward McCool, Contr. A-40, Allegany Co. J. N. Mackall, chn.; adv. E. N.-R. Oct. 15.

Md., Baltimore—Oct. 21, by Bd. Awards, improving grounds around School 8, Aisquith and Orleans Sts., 1,500 cu.yd. excav., 2,200 sq.yd. surfacing, 650 yd. concrete sidewalks, etc. H. G. Perring, Heart Tower, superv. engr.

N. C., Canton — Oct. 20, by Mayor and Bd. Aldermen, grading, curbing, guttering and concrete or asphaltic paving, etc., 48,000 sq.yd. various streets. G. C. White & Co., Durham, engrs.

South Carolina — Oct. 20, by State Hy. Dept., Columbia, grading, topsoiling, etc. 14,387 cu.yd. State Route 5, Federal Aid Project 274, Chester Co., State Highway Engineer, Columbia, engr., and 23,029 cu.yd. State Route 71, State Project S-594, Abbeville Co., E. B. Sloan, Court House, Greenville, engr.; grading and sand clay surfacing, etc. 17,849 cu.yd. Sect. A, and 27,433 cu.yd. Sect. B State Routes 2 and 32, State Project S-549, Calhoun Co., A. T. Brown, Scovill Bldg., Orangeburg, engr.

Miss., Philadelphia — Taking bids improving various streets, 10,000 cu.yd. excav., 9,000 ft. curb and gutter, 24,000 sq.yd. various types paving in streets and 105,000 sq.ft. in sidewalks. M. L. Culley, 1st Natl. Bank Bldg., Jackson, engr.

Louisiana—Nov. 3, by State Hy. Comn., Baton Rouge, grading and graveling 6.6 mi. Jena-Jonesville Highway, Federal Aid Project 153-A, and 2.31 mi. Jena-Rinehart Highway, State Project 153-D, both in La-Salle Parish; also 5.83 mi. Loreauville-Dautrives Landing Highway, State Project 486, Iberia Parish. W. B. Robert, highway engr.

Tennessee—Oct. 23, by State Dept. Hys. & Pub. Wks., Nashville, grading 901 ft. approaches to Louisville & Nashville R.R. underpass at Hygea, on Ridgeport-Springfield Rd., State Highway 11, State Project 119-E, Robertson Co., 14,442 cu.yd. excav., etc.; and grading and rock asphalt surfacing 3,532 sq.yd. approaches to Academy Ave. viaduct over Louisville & Nashville R.R., and paving Tennessee Central R.R. underpass near Clarksville, State Highway 13 Federal Project 91-C, Montgomery Co. J. G. Creveling, highway comr.

Ohio — Oct. 23, by Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving 38.447 mi. roads in Adams, Allen, Brown, Clermont, Erie, Geauga, Greene, Highland, Putnam, Seneca, Wayne and Williams Counties; drainage structures, etc., on 14.848 mi. roads in Harrison, Morgan, Muskingum and Noble Counties; and widening 3.071 mi. road in Trumbull Co. G. Schlesinger, dir.

O., Cincinnati—Oct. 22, by Director Pub. Serv., sidewalks, curbing and granite block repaving, etc. 13,900 sq.yd. 3rd St. $115,481. F. Krug, City Hall, engr.

O., East Cleveland (Cleveland P. O.)—Oct. 17, by City, widening and paving 7 ft. strip south side Euclid Ave., from easterly to westerly lines of city limits. To exceed $50,000. M. Garnett, City Hall, engr.

Michigan—Oct. 20, by State Hy. Dept., at office Comrs. Kent Co., Grand Rapids, graveling 3.482 mi. Kent Co. Rd. from Lincoln Lake to county line, 16 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Oct. 23, by State Hy. Dept., at office Comrs. Montcalm Co., Stanton, graveling 1.004 mi. Trunk Line Rd. 46-29, and concrete paving 1.219 mi. Trunk Line Rd. 46-10. G. C. Dillman, Lansing, highway engr.

Illinois—Oct. 23, by Dept. Pub. Wks. & Buildings, Div. Highways, Nashville, gravel, Portland cement, vitr. brick, or bituminous concrete with or without binder course surfacing 0.99 mi. Route 1, Sect. 29-X, Saline Co., 1.82 mi. Route 1, Sect. 49, Edgar Co., 10.73 mi. Route 2, Sect. 77, Winnebago Co., 2.02 mi. Route 5, Sect. 30 and 3.44 mi. Route 5, Sect. 31-X, both Jo Daviess Co., 6.53 mi. Route 14, Sect. 10, White and Hamilton Counties, 1.78 mi. Route 16, Sect. 25, Macoupin Co., 0.1 mi. Route 23, Sect. 26-D, De Kalb Co. 4.09 mi. Route 27, Sect. 16, Carroll Co., 2.72 mi. Route 30, Sect. 10, Stark Co., 0.4 mi. Route 32, Sect. 2-X, Moultrie Co., 5.28 mi. Route 33, Sect. 4, Crawford Co., 0.57 mi. Route 42, Sect. 112-X, Cook and Lake Counties, 0.05 mi. Route 42, Sect. 113-X, Lake Co., all above roads 16, 18 and 28 ft.; grading 0.4 mi. Route 2, Sect. 3-V-1, Jackson Co., 5.65 mi. Route 9, Sect. 8-A, Tazewell Co., 5.84 mi. Route 14, Sect. 11-A, White Co., 2.86 mi. Route 14, Sect. 12-A, White Co. and 0.93 mi. Route 40, Sect. 8-A, Whiteside Co. F. T. Sheets, ch. engr.

Ill., Riverdale (Sta. Chicago)—Oct. 22, by A. Strosinska, pres. Bd. Local Impvts., Village Hall, grading, curbing and 7 in. rein.-con. surfacing 26,000 sq.yd. Edbrooke, Michigan and Wabash Aves., 139th, State and Dearborn Sts. K. S. Putnam, village engr.; adv. E. N.-R. Oct. 15.

Kan., Kansas City — Nov. 6, by Clerk Wyandotte Co., concrete surfacing 1.72 mi. Federal Aid Project 309-B, 18 ft. O. K. Williams, Kansas City, co. engr.

Kan., Kansas City — Nov. 6 (extended date), by Clerk Wyandotte Co., grading, bridging and concrete or rock asphalt or concrete surfacing 1 mi. Federal Aid Project 52-E, 18 ft. O. K. Williams, Kansas City, co. engr. Noted Oct. 8.

Streets and Roads (Continued)

Kan., Paola—Nov. 5, by Clerk Miami Co., grading, etc., 9.623 mi. Federal Aid Project 293-C, 28 ft. F. Gardner, Paola, engr. Noted Aug. 27.

North Dakota — Oct. 15, by State Hy. Comn. and Comrs. Sargent Co., Court House, Forman, **(F. A. P. means Federal Aid Project)** graveling, etc. 9.912 mi. road from Milnor east to county line, F.A.P. 147; graveling, clearing and grubbing, etc. 0.764 mi. road through Cogswell, F.A.P. 15 D; grading and graveling, etc. 2.137 mi. road through Forman, F.A.P. 229.

South Dakota — Oct. 27, by State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading, etc., 16 mi. F. A. P. 193-A, Brookings Co., 13.3 mi. F. A. P. 202-A, Lincoln and Turner Counties, 17 mi. F. A. P. 204-A, Hutchinson and Turner Counties, 12 mi. S. A. P. 101, Potter Co.; graveling 4.58 mi. F. A. P. 138-B, Lawrence and Meade Counties, 18 mi. S. A. P. 122, Yankton, Turner and Clay Counties; one 72 ft., one 30 ft., and one 90 ft. concrete viaducts on F. A. P. 193-A, Brookings Co., one 34 ft. concrete viaduct and one 190 ft. steel truss span on F. A. P. 202-A, Lincoln and Turner Counties, one 84 ft. and one 24 ft. concrete viaducts on F. A. P. 204-A, Hutchinson and Turner Counties, one 96 ft. timber structure overhead crossing over Central and North Western R.R. tracks at Blunt, F. A. P. 141, Hughes Co.; also 26,936 ft. wire cable guard rail in Custer, Lake, Marshall, Brown, Pennington, Hutchinson, Yankton, Jackson, Clark and Aurora Counties. T. Soleglad, acting highway engr.

Colorado—Oct. 22, by State Hy. Dept., Denver, grading, etc., extension west from Ft. Morgan, Federal Aid 287-A, Morgan and Weld Counties, 23,300 cu.yd. common and 146,000 cu.yd. borrow excav. L. D. Blauvelt, State Office Bldg., Denver, engr.

California—Oct. 26, by State Hy. Comn., Sacramento, concrete paving 6.3 mi. and bituminous macadam paving 0.4 mi. road between Latigo Creek and Las Flores Canyon, Los Angeles Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., San Diego—Oct. 26, A. H. Wright, city clk., grading, sidewalks, and 1½ in. asphaltic concrete on 4 in. concrete paving 144,325 sq.ft. Lewis St. F. A. Rhodes, city engr.

BIDS RECEIVED

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Oct. 8, granite block repaving Richmond Terrace, from Vandbro Constr. Co., 24 Elizabeth St., West New Brighton, $37,503. Noted Oct. 1.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Oct. 6, bituminous concrete repaving Edgewater St., from J. P. Donovan, 30 Church St., New York City, $14,108; grading and bituminous macadam concrete paving Hoyt Ave., from J. Johnson Sons, 455 Bway., West New Brighton, $7,645. Noted Oct. 1.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Oct. 7, bituminous macadam paving within franchise area of Staten Island Midland R.R., roadway of Lincoln Ave., and bituminous concrete paving Yetman Ave., from J. E. Donovan, 614 Union St., Brooklyn, $3,828 and $22,-433 respectively. Noted Oct. 1.

N. J., Trenton—Freeholders Mercer Co., Oct. 6, grading, guttering and sheet asphalt paving 14,700 sq.yd. Sanhican Dr., from Union Paving Co., 30th and Locust Sts., Phila., Pa., $71,916. Noted Sept. 17.

N. J., Trenton—City Comn., Oct. 5, penetration macadam paving Cadwalader Dr., Boulevard and Buckingham Ave., from Agabiti Bros., 638 Roebling Ave., $47,772. Noted Sept. 24.

Delaware—State Hy. Dept., Dover, Oct. 7, from F. W. Lovett, Newark, grading and concrete paving 400 cu.yd. Lum's Pond, Contr. CN19B, $10,870; from W. T. Staats, York, Pa., grading 0.41 mi. Summit Bridge Approach, Contr. CN19C, $5,202; from George & Lynch, Dover, grading and paving, etc., 3.05 mi. Vines Creek-St. Georges Church, Contr. CS38, stone concrete $80,-648, slag concrete $78,668, 2.12 mi. Cannon-Atlanta, Contr. CS46, stone concrete, metal joint $60,906, non-metal joint $60,-234, slag concrete, metal joint $59,751, non-metal joint $59,079. Noted Sept. 24.

Maryland — State Roads Comn., Baltimore, concrete paving 0.34 mi. road from Bedford Rd. to Pennsylvania state line, Contr. A-39, Allegany Co., from M. Bennett Sons, Indiana, Pa., $15,941. Noted Oct. 1.

Maryland — State Roads Comn., Baltimore, penetration macadam paving 0.66 mi. state highway along Frederick St., Hagerstown, from city limits to Baltimore & Ohio R.R. crossing, Contr. W-42, Washington Co., from Bester, Long Co., Hagerstown, $19,-507; concrete paving 0.33 mi. Silver Springs undergrade approaches, Contr. M-49-D, from Strawn & Christensen, Landover, $13,-094; six 5 ft. diam. metal pipes in concrete on road from Sligo to Burnt Mills over Sligo Branch, from St. Marys Constr. Co., Mechanicsville, $5,825. Noted Sept. 24.

Md., Baltimore — Bd. Awards, Oct. 7, grading, curbing, granite block and concrete paving 13,140 sq.yd. streets in Contr. 304-OCOANA, from G. Long Contg. Co., 1st Ave. and 12th St., $39,880; grading, curbing and sheet asphalt paving 12,100 sq.yd. streets in Contr. 303-OCOA, from Amer. Paving & Contg. Co., Montebello Ave., $63,-411. Noted Oct. 1.

Md., Baltimore—Bd. Awards, sheet asphalt paving 16,800 sq.yd. streets listed in Contr. 302-OCOANA, from P. Flanigan & Sons, Harford Rd. & Baltimore & Ohio R.R. tracks, $78,922. Noted Sept. 24.

South Carolina—State Hy. Comn., Columbia, topsoiling 5.9 mi. State Route 19, State Project S-605, Newberry Co., from Langford & Wicker, Newberry $33,305, 280 ft. rein.-con. bridge on same road and five 15 ft. span timber bridge on State Route 1, State Project S-543, Orangeburg Co., from Fulmer & Phillips, Leesville, $18,245 and $3,050 respectively; topsoiling 10 mi. State Route 391, State Project S-592, Saluda Co., from W. R. Carson, Lynchburg, $50,-196; sand clay surfacing 4.3 mi. State Route 23, State Project S-567-B, Dillon Co., from J. L. Carroll, Columbia, $21,589, approaches to King St. Viaduct, State Route 2, Federal Aid Project 178-A, Charleston Co., from Simons-Mayrant Co., Peoples Bldg., Charleston, $18,747. Noted Sept. 17.

O., Cincinnati — Director Pub. Serv., Sept. 22, asphalt repaving, etc., 2,500 ft. Madison Rd., 40 ft., from Scully-Brehm Co., 1011 Atlas Bank, $76,360. Engrs. est. $88,410. Noted Sept. 17.

O., New Philadelphia — Tuscarawas Co., concrete resurfacing Sect. "A" Dennison-National Rd., from Evansbaugh Constr. Co., Pomeroy, $151,889. Engrs. est. $150,000. Noted Oct. 30, 1924.

Minnesota — State Hy. Dept., St. Paul, Sept. 29, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, from E. W. Coons Co., 2007 4th Ave., Hibbing, grading and concrete paving 139,000 sq.yd. S. P. 1-44, Sect. 1, Divs. C, D and E, F. A. P. 1 $228,949, from Russell Bros., Superior, Wis., 71,000 sq.yd. S. P. 1-44, Sect. 6, F. A. P. 372 $83,056, from Nolan Bros., 260 Temple Court Bldg., Minneapolis, 48,-000 sq.yd. S. P. 3-26, F. A. P. 375 $78,632, 14,500 sq.yd. S. P. 3-50, F. A. P. 375, $19,-893; from Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, grading and concrete paving 38,100 sq.yd. S. P. 3-33, F. A. P. 375 $55,212, 9,500 sq.yd. S. P. 3-33, F. A. P. 375 $11,757, 87,000 sq.yd. S. P. 3-39, Sect. 2, F. A. P. 8, $136,045; from Lobnitz Constr. Co., Olivia, grading 134,-000 cu.yd. S. P. 3-42, Div. B, F. A. P. 347 $31,721, from S. G. Enebak, Warren, 206,-000 cu.yd. S. P. 6-15, Sects. 1 and 2, F. A. P. 378 $37,950, from Starr & Slatterly, Virginia, 100,000 cu.yd. S. P. 8-33, F. A. P. 276, $42,657; from C. F. Sculley Equipment Co., 212 Dakota Bldg., St. Paul, graveling 22,300 cu.yd. S. P. 9-39, F. A. P. 352, $26,780; and from T. Pahlen, Red Lake Falls, grading 80,000 cu.yd. and constructing Bridge 3720 on S. P. 8-28, F. A. P. 261, $37,596. Noted Sept. 17.

Tex., Texas City—Galveston Co., curbing, guttering and paving 36,000 sq.yd. various streets, from Thomas & Stegall, Rogers, 7 in. concrete $135,901, 2 in. asphaltic concrete $153,901; from W. A. Kelso, 2220 C St., Galveston, 2 in. Uvalde or rock asphalt $201,774, 2½ in. vertical fibre brick $197,058. Noted Oct. 8.

Arkansas—State Hy. Dept., Little Rock, gravel surfacing 8.55 mi. Camden-Stephens Co. line Rd., Ouchita Co., from R. J. Lynch, 318 Ridgeway St., Little Rock, $41,222.

Wash., Seattle—Comrs. King Co., grading and 7 in. concrete paving 18,824 sq.yd. Benson Rd., from Fiorito Bros., 3950 6th St. N. W., $49,600. Engrs. est. $45,000.

CONTRACTS AWARDED

Mass., East Boston (Boston P. O.)—Transit Dept., 1 Beacon St., Boston, asphalt paving Maverick Sq. and Chelsea St., here, to J. McCourt Co., 910 Huntington Ave., Boston, $35,347. Noted Oct. 8.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, asphalt repaving, etc., Atlantic Ave., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $15,442; curbing and permanent asphalt paving Kings Highway, to B. Turecamo Contg. Co., 8706 Bay 12th St. $25,574, and Neptune Ave., to Cranford Co., 52 9th St. $5,113. Grand total $46,129. Noted Oct. 8.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., grading and curbing, etc., Cambridge Ave., to M. Del Balso, 660 East 221st St. $8,699, in East 172nd St., to S. Nugent, 285 West 150th St. $13,168, sewers and appurtenances, etc., in Waterbury Ave., to F. Pestone, 2110 Bathgate Ave., $5,054, and in Selwen Ave., to C. W. McDonald, 1910 Webster Ave., $11,041. Grand total $37,962. Noted Oct. 8.

New Jersey—State Hy. Comn., Trenton, concrete paving Manasquan River Bridge, to Decker & Canning, Lyons Ave., Newark, $43,999; Route 4 between South Amboy and Cliffwood, to M. Staub, Pitman, $250,-683. Noted Sept. 24.

N. J., Chatham — Morris Co. (Morristown), paving 1 mi. Fairmount Rd., here, to J. A. R. Constr. Co., Maplewood, $50,816.

N. J., Madison—Morris Co. (Morristown), constructing 1.5 mi. Madison-Green Village Rd., here, to Gray Constr. Co., Franklin St., Morristown, $70,911.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, reinf.-con. paving 11,558 sq.yd. R. 15, A. 3522, Bradford Co., to Lane Constr. Corp., 35 Colony St., Meriden, Conn., $62,-908, 9,597 sq.yd. A. 3412, Adams Co., to W. Grant Raub Co., Red Lion, $40,044, 17,-233 sq.yd. A. 3663, Butler Co., to Winter & Yaple, Erie, $77,057; asphaltic macadam paving 17,915 sq.yd. A. 2826, Huntingdon Co., to Colgan & Kelley, Lewistown, $59,-834; and asphalt on asphaltic concrete paving 24,911 sq.yd. R. 290, Schuylkill Co., to Union Paving Co., 30th and Locust Sts., Phila., $108,689. Grand total $348,532. Noted Oct. 1.

Md., Baltimore—Bd. Awards, sheet asphalt paving 16,800 sq.yd. streets listed in Contr. 302-OCOANA, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R. tracks, $78,992. Noted Oct. 15.

W. Va., Philippi — Barbour Co., grading Philippi-Buckhannon Rd., Project 3341, to Wetzel Constr. Co., New Martinsville, $30,-646.

Louisiana — State Hy. Comn., Baton Rouge, grading and graveling 5.38 mi. St. Francisville-Clinton Highway, East Feliciana Parish, to F. O. Hamilton, St. Francisville, $33,416, and 6.41 mi. Sun-Bogalusa-Mississippi Highway, Washington Parish, to S. B. Boyd, Columbia, Miss., $30,877; concrete bridge over Pushpattappa Creek, Washington Parish, to Vincennes Bridge Co., Vincennes, Ind., $16,575. Grand total $80,868. Noted Sept. 17.

La., Alexandria—Rapides Parish, graveling Rigolette and outer portion Donahue Ferry Rds., to Herndon & Terrill, Alexandria, $30,000. Parish voted $195,000 bonds improving roads in Consolidated Rd. Dist. A. Noted Sept. 3.

O., Columbus—Franklin Co., grading and sheet asphalt paving, etc. 1,703 ft. Dale Ave., and 2,904 ft. Kellner Rd., both 26 ft., to B. F. Patterson, 1214 Neil Ave., $29,024 and $44,264 respectively. Noted Sept. 10.

Michigan — State Hy. Dept. at office Comrs. Washtenaw Co., Ann Arbor, will pave with concrete 1.327 mi. Federal Aid Rd. 82 C, with own forces. $40,000.

Michigan — State Hy. Comn., at office Comrs. Benzie Co., Benzonia, concrete paving 0.996 mi. Federal Aid Rd. 129-E-1, and 1.275 mi. Federal Aid Rd. 129 E-2, to Rogers Constr. Co., Manistee, $27,520 and $38,000 respectively.

Michigan — State Hy. Dept. at office Comrs. Wayne Co., Detroit, widening existing grade 10.665 mi. Federal Aid Project 62, and 7.631 mi. Federal Aid Project 82, Sect. A, to Wayne Co. Road Comn., Detroit, $29,063 and $22,890 respectively.

Michigan — State Hy. Dept., Lansing, widening existing grade 13.953 mi. Federal Aid 95, Sect. D, Lenawee and Washtenaw Counties, to State Constr. Division, Lansing, $48,174.

Mich., Springwells — City, **(S. A. D. means Special Assessment Dist.)**, to M. Cassese, 3418 McDougall St., Detroit, and M. Cractori, Detroit, grading, curbing, and concrete paving, etc., 2,944 sq.yd. S. A. D. 98, $10,293, 2,277 sq.yd. S. A. D. 99, $8,308, paving 1,865 sq.yd. municipal site $5,304, 115 sq.yd. S. A. D. 31, $626, also 110 ft. 12 in. and 304 ft. 15 in. sewer in S. A. D. 100, $990, and 172 ft. 24 in and 114 ft 21 in. sewer in S. A. D. 43 $1,054. Grand total $26,575. Noted Sept. 17.

Illinois — Dept. Pub. Wks., & Buildings, Div. Highways, Springfield, surfacing Route 4, Sect. 430, Dupage and Cook Counties, to R. F. Conway Co., 844 Rush St., Chicago, $292,382; Route 31, Sect. 16-A, Fulton Co., to Keokuk Quarry & Constr. Co., Keokuk, Ia., $19,100; and Route 9, Sect. 7-W, Tazewell Co., to Jensen & Schaefer, 212 North Cap St., Pekin, $11,746. Grand total $323,-228. Noted Feb. 26 and Aug. 6.

Streets and Roads (Continued)

Ill., Carlyle—Grading, curbing and concrete paving 12,000 sq.yd. various streets, to J. W. Jones, Benton, $36,613. Engrs. est. $44,782. Noted Aug. 20.

Ill., La Grange Park—Concrete sidewalks on Edgewood Ave., etc., to Green-Mullenbruck Constr. Co., 105 West Monroe St., Chicago, $22,971; and 4,430 ft. 12 in. vitr. clay pipe sewers in Dover Ave., etc., to T. H. Iglehart Co., 166 West Bway., Chicago, $17,807. Noted Sept. 17.

Ill., Springfield—Curbing, guttering, and brick on 6 in. concrete surfacing 5,300 sq.yd. 4th St., to J. O. Patterson & Co., 833 South Glenwood St., $23,224; and 2,050 sq.yd. Illinois St., to B. F. Nelch, 921 East Jackson St., $10,069.

Ill., South Jacksonville — Grading, shaping, curbing, rolling and concrete surfacing 10,437 sq.yd. South Main St., to Devine Constr. Co., Papineau, $31,649.

Ill., Rockford—Bd. Local Impvts., grading, curbing, sewering and concrete paving 18,321 sq.yd. 15th St. and 12th Ave., to Milburn Bros. Co., 18th and Charles Sts., $2.40 per sq.yd., total approximately $75,000. Engrs. est. $82,100. Noted Sept. 24.

Tex., Hemphill — Rusk Co., grading, bridging and gravel surfacing 8 mi. Henderson-Carthage Rd. and Mt. Enterprise-Timpson Rd., 16 ft., to L. M. Leath, Hemphill, approximately $50,000. Engrs. est. $60,000.

Tex., San Diego — Duval Co., to W. L. Pearson & Co., 1st Natl. Bank Bldg., Houston, grading, bridging and 1 in. bituminous on limestone surfacing 15.76 mi. State Highway 12, Federal Aid Project 424-E, incl. 151,887 lbs. reinforcing, etc., $359,648, engrs. est. $367,000, 3.98 mi. State Highway 12, Federal Aid Project 436-F, incl. 10,124 lbs. reinforcing, etc., $79,396, engrs. est. $83,500, clearing, grading and 1 in. rock asphalt on limestone surfacing 13.33 mi. State Highway 12-A, Federal Aid Project 424-F, incl. 116,322 lbs. reinforcing, etc., $291,565, engrs. est. $303,900. Grand total $730,609. Noted Sept. 3.

Buildings—Industrial

PROPOSED WORK

Mass., Boston — SUB-STATION—Edison Electric Illuminating Co., 39 Boylston St., plans brick substation, Bulfinch St. Bigelow & Wadsworth, 3 Hamilton Pl., archts. $50,000 or more.

Mass., Milford—PLANT—Milford Electric Light & Power Co., 241 Main St., having plans prepared by E. L. Rawson, 6 Beacon St., Boston, 2 story, rein.-con. and brick addition. $40,000.

Conn., Waterbury — CAR BARN — Connecticut Co., West Main St., having revised plans prepared by R. W. Foote, 185 Church St., New Haven, 1 story, rein.-con., brick and steel, West Main St. $450,000. Former bids rejected. Noted Aug. 27.

N. Y., Albany—BAKERY—Kolb Baking Co., Allentown, Pa., had plans prepared by J. Smith, c/o owner, 420 x 650 ft. bakery, here. $500,000.

N. Y., Buffalo — WAREHOUSE and SERVICE SHOP—General Electric Co., Genesee and Washington Sts., plans rein.-con., French St. To exceed $100,000.

N. Y., Buffalo—FACTORY—Honde Eng. Corp., 237 Winchester Ave., plans rein.-con. and brick, Winchester Ave. $50,000.

N. Y., Buffalo — FACTORY — Muffetts Corp., Batavia, plans factory, here. $1,000,000. W. A. Morgan, pres.

N. J., Montclair — STOREHOUSE and REPAIR HOUSE—Bd. Town Comrs., plan 1 story, 65 x 146 ft., brick building for purpose of central storehouse and repair shop, in Dept. Pub. Wks., 219 North Fullerton Ave. $40,000 appropriated. H. Trippett, town clk.

Miss., Meridian — PLANT — Amer. Creosote Wks., S. C. Braselman, genl. mgr. creosoting plant, Southport, New Orleans, La., having preliminary plans prepared 50,000,000 ft. annual capacity.

O., Canton—FACTORY—Canton Auto Spring Co., 117 13th St. S. E., plans 1 story addition, 13th St. $45,000.

O., Canton—SALES ROOM and SERVICE STATION—Rogers Motor Sales Co., having plans prepared 2 story and basement, 50 x 205 ft., brick and concrete sales and service station. $100,000. Private plans.

O., Cleveland — FACTORY — Cleveland Metal Stamping Co., F. W. Judd, pres., 5303 Hamilton Ave., had plans prepared by G. S. Rider & Co., Century Bldg., 2 story, brick and steel, East 31st St. and Payne Ave. $40,000.

O., Cleveland—FACTORY—Ward & Shaw Co., J. T. Mahon, vice-pres., 106th St. Clair Ave. N. W., plans 2 story and basement, brick, steel and concrete, East 21st St. and Oregon Ave. $90,000. Engineer and architect not selected.

O., Defiance—LIGHT PLANT—Election Nov. 3 $425,000 bonds, electric light plant, brick, steel and concrete. Engineer and architect not selected.

Ind., Gary—DAIRY—Clover Leaf Dairy Co. having plans prepared by R. Griesser, 64 West Randolph St., Chicago, Ill., 2 story and basement, 120 x 166 ft., rein.-con. and brick, concrete pile foundation. $100,000.

Mich., Detroit—POWER PLANT—Herman Kiefer Hospital, Hamilton and Blaine Aves., having plans prepared by A. Kahn, 1000 Marquette Bldg., 2 story, rein.-con. and brick power house. $200,000.

Ill., Chicago — GARTER FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., soon takes bids 5 story and basement, 113 x 157 ft., brick and terra cotta addition, 1149 West Congress St., for A. Stein & Co., 1149 West Congress St. $500,000.

Ill., Hartford—TANNERY—International Shoe Co., 15th St. and Washington Ave., St. Louis, Mo., making preliminary plans 2 story, 118 x 160 ft., brick and concrete addition, here. $100,000. Private plans.

Wis., De Pere—FACTORY—Hudson Mfg. Co., Main St., plans rebuilding 2 story, brick and concrete or brick and timber factory, destroyed by fire. $40,000. Engineer and architect not selected.

Wis., Oshkosh — FACTORY — Fox River Valley Assn. of the Blind, N. Feldmann, treas., 303 Gertrude St., Kaukauna, plans 2 story, brick or stone, plain foundation, here. $50,000. Engineer and architect not selected.

Wis., Polar—SAW MILL—T. D. Kellogg Lumber Co., plans rebuilding 2 story saw mill, recently destroyed by fire. $50,000 loss. Engineer and architect not selected.

Mo., Kansas City—BAKERY—Campbell Baking Co., 3219 Troost Ave., soon takes bids 2 and 3 story, 150 x 190 ft., rein.-con., brick, steel and terra cotta addition. $425,000. Mills, Shines, Bellman & Nordoff, Ohio Bldg., Toledo, O., archts. Noted May 28.

Mo., St. Louis—PLANT—Killark Electric Mfg. Co., 3940 Easton Ave., soon takes bids rebuilding 1 story and basement, 140 x 200 ft., rein.-con. and brick plant, 3940 Easton Ave., recently destroyed by fire. $60,000. Private plans.

Mo., St. Louis — SILICATE OF SODA PLANT — Phila. Quartz Co., 121 South 3rd St., Phila., Pa., making preliminary plans rein.-con., brick and steel plant on 125 x 800 ft. site, incl. side tracks, etc., Geraldine St., here. $250,000.

Mo., Springfield — STEEL FOUNDRY — Standard Semi-Steel Fdry. Co., Clinton, C. T. Wilks, genl. mgr., having preliminary plans prepared 1 story, 65 x 200 ft., brick and concrete, Chase St. $40,000. Private plans.

Tex., Bastrop — POWER PLANT — Texas Power & Light Co., Waco, plans super power plant, 100,000 hp. on Colorado River. $8,000,000 or more. Private plans. W. B. Head, 4841 Crutcher St., Dallas, chn. Bd. Directors. Noted June 18.

Tex., Beeville — BOTTLING PLANT — Delaware Punch Co., Granado and North San Marcos Sts., San Antonio, plans brick and concrete bottling plant, 42,000 bottle capacity, here, $50,000, also having plans prepared 7 similar plants as above at locations in Lower Rio Grande.

Tex., Childress — ICE PLANT — Central Texas Power Co., plans ice plant, rein.-con. and brick, 70 ton capacity. $100,000. Private plans.

Calif., Oakland—FACTORY—California Steel Products Co., 452 Bay St., San Francisco, purchased 4½ acre site and plans factory, 66th and 68th Aves., here.

BIDS DESIRED

Mass., Lowell—REPAIR and SUPPLY SHOP—Boston Auto Supply Co., 96 Bridge St., taking bids 1 story, 45 x 212 ft., brick, 1st St. $40,000. Davis & Byam, Hildreth Bldg., archts.

Mass., Quincy (Boston P. O.)—LUMBER MILL—See "Contracts Awarded."

R. I., Providence—FACTORY—W. H. Coe Mfg. Co., 74 Weybosset St., taking bids 2 story, rein.-con. and brick, Clifford and Ship Sts. $40,000 or more. Perry & Whipple, Hospital Trust Bldg., archts.

Pa., Hillsville — CRUSHING and LOADING PLANT — See "Contracts Awarded."

Md., Baltimore—POWER HOUSE—See "Contracts Awarded."

Miss., Jackson — BOTTLING PLANT — Jackson Coca Cola Bottling Wks. taking bids 2 story and basement, 60 x 80 ft. brick and concrete plant. C. H. Lindsay, Lamar Life Bldg., archt.

O., Marietta—FACTORY—Oct. 19, 1921, Schenck & Williams, archts., Mutual Home Bldg., Dayton, 4 story and basement, 80 x 700 ft., brick and rein.-con. factory, for Safe Cabinet Co., E. W. Hopp, genl. mgr. $400,000. Noted Sept. 17.

Ind., Anderson — INDUSTRIAL — See "Contracts Awarded."

Mich., Dearborn — SHOP and LABORATORY — Ford Motor Co., Highland Park, taking bids 1 story, 201 x 318 ft., rein.-con. and brick addition, Oakwood Blvd., here. A. Kahn, 1000 Marquette Bldg., Detroit, archt. Noted June 25.

Wis., Sparta — CONDENSORY — See "Contracts Awarded."

Tex., Houston—FACTORY, etc.—A. C. Finn, archt., Bankers Mortgage Bldg., taking bids 4 story, 100 x 189 ft. rein.-con. slab main building, also 1 story 61 x 80 ft. timber pipe warehouse, McKinney Ave. and Hutchins St., for Crane Co., 836 South Michigan Ave., Chicago, Ill. $90,000.

Okla., Tulsa—PRINTING PLANT—A. M. Atkinson, archt., 218 Midcontinent Bldg., Oklahoma City, taking bids 4 story and basement, 50 x 140 ft., rein.-con. and brick addition, for E. Lorton, c/o Tulsa World. $150,000.

CONTRACTS AWARDED

Me., Lewiston—POWER HOUSE—Central Maine Power Co., Water St., Augusta, W. S. Wyman, mgr., hydro-electric development incl. power house, generating 27,000 hp., 50 ft. concrete dam across Androscoggin River at Gulf Island, 5 mi. from here, and short branch line railroad, to Morton C. Tuttle Co., Park Sq. Bldg., Boston, Mass. Noted Sept. 17 under "Dams."

Mass., Boston—MANUFACTURING, etc.—Salada Tea Co., 155 Berkley St., 9 story and basement, 100 x 170 ft., brick, steel, and limestone manufacturing, office and warehouse addition, plain foundation, to Sawyer Constr. Co., 16 Arlington St. Archts. est. to exceed $150,000. Noted Aug. 27.

Mass., Monroe (mail Readsboro, Vt.)—POWER PLANT—New England Power Co., 35 Harvard St., Worcester, 9,000 kw. power station and 90 ft. earth dam, on Deerfield River, here, to Power Constr. & Eng. Corp., 35 Harvard St., Worcester. Noted Oct. 1.

Mass., New Bedford — PLANT — Neild Mill Corp., Nash Road, 1 story, 112 x 190 ft., brick addition, to J. W. Bishop Co., Standard Bldg. Archts. est. $60,000.

Mass., Quincy (Boston P. O.)—LUMBER MILL—Norfolk Woodworking Co., Braintree, will build 50 x 200 ft. brick boiler house and dry kiln, 265 x 285 ft., stucco and cabinet shop and storage building, 35 x 70 ft. brick and timber office and storage building and 140 x 260 ft. concrete and timber mill, Hancock St., by day labor. $70,000. S. S. Joslin, 339 Newbury St., Boston, archt.

R. I., Harrisville — MILL — Stillwater Worsted Mills, Burrillville, 2 story, 36 x 224 ft., brick and timber, to Eastern Constr Co., 345 Main St., Woonsocket. Archts. est. to exceed $40,000.

R. I., Woonsocket — PLANT — Jules Desurmont Worsted Co., Fairmount St., 1 story, 90 x 240 ft., rein.-con. addition, to W. T. Reed Co., 200 Devonshire St., Boston.

Conn., Danbury — SILK FACTORY — Tweedy Silk Mills, Inc., East Franklin St., 1 story, 40 x 85 ft. brick dyehouse, and 30 x 150 ft., brick and steel finishing building, to Torrington Building Co., 182 Church St. Archts. est. $40,000.

N. J., Jersey City — FACTORY — Natl. Asbestos Mfg., Henderson St., 5 story, rein.-con., brick and stone, plain foundation, Henderson St., to Industrial Eng. Co., 30 Church St., New York City. Archts. est. $100,000.

Pa., Easton — FACTORY — Individual Drinking Cup Co., general contract for factory, to R. T. and C. D. Stewart Constr. Co., Easton, $60,000.

Pa., Wilkes-Barre—FACTORY—Hazzard Mfg. Co., 81 East Ross St., removing 7 buildings and general contract constructing 3 story, 110 x 180 ft., rein.-con. and brick, plain foundation, Hazle St., to J. Curtis Co., 1 Hickory St., $190,000. Noted Sept. 3.

Buildings—Industrial (Continued)

Pa., Hillsville — CRUSHING and LOADING PLANT — Lake Erie Limestone Co., Wick Bldg., Youngstown, O., will build 1 story, 35 x 60 ft., steel and concrete plant, here, by day labor; steel, to Bollinger-Andrews Constr Co., Empire Bldg., Pittsburgh. Allis Chalmers Co., West Allis St. Milwaukee, Wis., engrs.

Pa., Wilkes-Barre — FACTORY — S. Moskovitz, archt., 63 Hazle St., 2 story, 60 x 156 ft., rein.-con. and steel, plain foundation, to M. Moskovitz, 63 Hazle St. Engrs. est. $40,000. Owner's name withheld.

Md., Baltimore—POWER HOUSE—Consolidated Gas, Electric Light & Power Co., Lexington Bldg., H. A. Wagner, pres., will build (1st unit) $4,000,000 plant, 1 story, rein.-con., plain foundation, McComas and Gould Sts., by day labor. $175,000. Private plans.

N. C., Winston-Salem—HOSIERY MILL—Hanes Hosiery Mills Co., 2 and 3 story, 129 x 505 ft., and 73 x 126 ft., steel and timber mill, to Southeastern Constr. Co., Trust Bldg., Charlotte, $247,000.

O., Cleveland — WAREHOUSE and SHIPPING ROOM—Cyclone Fence Co., 1287 Marquette Rd., 1 story and part basement, 85 x 240 ft., 1287 Marquette Rd., to E. F. Gibbons Constr. Co., Union Trust Bldg. Archts. est. $75,000.

O., Columbus — FACTORY — Furnas Ice Cream Co., 569 East Long St., 2 story and basement, 30 x 40 ft., concrete, East Long St., to E. Elford, 555 Park St., about $45,000.

Ind., Anderson — INDUSTRIAL — Remy Electric Div. of Genl. Motors Corp., will build 1 story, 200 x 520 ft., rein.-con. and steel, plain foundation, Columbus Ave. and 25th St., by day labor under supervision of N. R. Kettering, engr., Anderson. $90,000. Private plans.

Mich., Detroit—FACTORY—Ford Motor Co., Highland Park, 3 story, 67 x 851 ft. addition to Lincoln plant, Livernois Ave., here, to W. E. Wood Co., 1805 Ford Bldg. Noted Sept. 24.

Ill., Chicago—FACTORY—Plibrico Jointless Fire Brick Co., Kingsbury St. near north branch Chicago River, general contract 2 story and basement, 76 x 131 ft., Kingsbury St., to E. W. Sproul & Co., 2001 West Pershing Rd. Archts. est. $200,000.

Ill., Duquoin — PACKING PLANT — Duquoin Packing Co., 1 story, rein.-con. and brick packing plant, to A. H. Haesler Building & Contg. Co., Wainwright Bldg., St. Louis, Mo. Archts. est. $50,000.

Ill., La Salle — FACTORY, STORAGE, etc.—Western Clock Co., G. P. Clow, pres., general contract 5 story and basement, 65 x 240 ft., rein.-con. and brick factory, to V. Jobst & Co., Lehmann Bldg., Peoria. Archts. est. $300,000.

Wis., Oshkosh—MACHINE SHOP—J. W. Hewitt Machine Co., 131 North Commercial St., 1 story, 40 x 70 ft., brick and steel addition, plain foundation, to C. R. Meyer & Sons, 50 State St.

Wis., Sparta — CONDENSORY — Pet Milk Co. will build 3 story, 60 x 80 ft., and 67 x 180 ft., brick and timber addition, plain foundation, by day labor. $50,000. Private plans.

Tex., Kingsville—ICE PLANT—Texas Central Power Co., Frost Bldg., San Antonio, 1 story, rein.-con., brick and steel, plain foundation, to Sumner Sollitt Co., Natl. Bank of Commerce Bldg., San Antonio, $40,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—HOTEL—Hotel Bellevue, c/o I. Woods, 21 Beacon St., having preliminary plans prepared by Putnam & Cox, 114 State St., 5 story and basement, rein.-con., brick and steel addition, Beacon St. To exceed $150,000.

Mass., Boston—WARD—Beth Israel Hospital, Brookline Ave., takes bids after Oct. 16, 7 story and basement, 42 x 186 ft., brick and limestone, plain foundation, Brookline Ave. near Longwood Ave. To exceed $150,000. Densmore, LeClear & Robbins, Park Sq. Bldg., archts.

Mass., Cambridge (Boston P. O.) — APARTMENT — Mather Court Apartments, 1 Warehouse St., having plans prepared by Newhall & Blevens, 9 Park St., Boston, and soon lets contract, 6 story and basement, 6,000 sq.ft. floor space, rein.-con. and brick addition, $250,000.

Mass., Melrose (Boston P. O.)—BANK—Melrose Savings Bank, 497 Main St., having preliminary plans prepared by Adden & Parker, 177 State St., Boston, 2 story, brick and stone addition, Main and Foster Sts. $150,000. Noted Sept. 17.

Mass., Roxbury (Boston P. O.) — APARTMENT — J. A. Tuck, archt., Park Sq. Bldg., Boston, preparing plans 3 story and basement, 80 x 150 ft., brick, Waumbeck St., here. $200,000. Owner's name withheld.

R. I., Providence — HOSPITAL — Emma Pendleton Bradley Estate, 84 Keene St., plans 2 or more story hospital. $150,000 or more. Engineer and architect not selected.

R. I., Providence—HOSPITAL—Mariam Hospital Assn., having plans prepared by Clark & Howe, Turks Head Bldg., hospital addition, 593 Eddy St. $150,000 or more.

N. Y., Brooklyn — MAUSOLEUM — New York Mausoleum Assn., Inc., 50 Church St., New York City, having plans prepared by G. B. Webb, archt and engr., 10 East 43rd St., New York City, 3 story, 105 x 200 ft., brick, steel and stone, Cypress Hills Cemetery, here. $2,000,000.

N. Y., Buffalo—APARTMENT—Kushin & Konikoff, Inc., 55 Allen St., plans rein.-con. and brick, 1306 Delaware Ave. $300,000.

N. Y., Buffalo—HOSPITAL—T. S. Given, 56 Lincoln Parkway, plans Jewish Hospital. $500,000.

N. Y., Buffalo—Y. M. C. A., West Genesee St., plans 2 new buildings, in North and East Side Dists. $375,000. R. E. Smith, chn.

N. Y., New York—APARTMENT—Owner, c/o A. J. Thomas, archt. and engr., 15 East 47th St., having plans prepared 5 story, brick, steel and stone, plain foundation, Sheridan Ave. $500,000.

N. Y., New York — APARTMENT — Owner, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., having plans prepared 5 story, 90 x 100 ft., brick, steel and stone, plain foundation, West 176th St. $175,000.

N. Y., New York — APARTMENT — Owner, c/o W. I. Hohauser, archt. and engr., 1460 Bway., having plans prepared 5 story, brick, steel and stone plain foundation, West 173rd St. $175,000.

N. Y., New York—BANK and OFFICE—Bronx Realty Syndicate, c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., having plans prepared brick, steel and stone, plain foundation, East Fordham Rd. $250,000.

N. Y., New York—CLUB and STUDIO—Authors League of America, 2 East 23rd St., soon takes bids 20 story, brick, stone and steel, plain foundation, 120 East 34th St. $5,000,000. G. Aus, 244 Madison Ave., engr. E. Fairchild, 469 5th Ave., archt.

N. Y., New York — WAREHOUSE — Hensle Constr. Co., 220 Nagle Ave., having plans prepared by G. S. Kingsley, archt. and engr., 1402 Bway., rein.-con., brick and steel, plain foundation, 647 West 134th St. $250,000.

N. J., Camden—OFFICE—J. O. Wilson, 336 Market St., having plans prepared by L. Rothschild, 215 South Broad St., Phila., 12 story and basement, 43 x 140 ft., brick and steel, Bway. and Cooper Sts. $500,000.

Pa., Dormont (Pittsburgh P. O.)—BANK—Dormont Savings & Trust Co., Masonic Bldg., having revised plans prepared by Simons, Brittain & English, Magee Bldg., Pittsburgh, 2 story and basement, brick and stone, West Liberty St. $150,000. Noted July 30.

Pa., Johnstown — TEMPLE — Masonic Temple Assn., 213 Dalbert St., having plans prepared by J. C. Fulton & Son, Citizens Trust Bldg., Uniontown, 8 story and basement, 160 x 200 ft., brick or stone, Valley Pike and Linton St. $900,000.

Pa., Monongahela — BANK — Monongahela City Trust Co. having plans prepared by Morgan French & Co., 19 West 44th St., New York City, N. Y., 3 story and basement, 60 x 80 ft., brick, Main St. $200,000.

Pa., Phila. — OFFICE — P. Glassman & L. Tendler, Commercial Trust Bldg., making plans 15 story and basement, rein.-con., brick and steel, plain foundation, 4th and Market Sts. Engineer and architect names withheld.

Pa., Pittsburgh—BANK—Iron & Glass Dollar Savings Bank, 1113 East Carson St., having plans prepared by P. C. Dowler, Magee Bldg., 1 story and basement, 60 x 120 ft., stone and brick, Carson St. $150,000.

Md., Catonsville (Br. Baltimore)—HOSPITAL—Spring Grove State Hospital, A. P. Herring, chn. Lunacy Comn., 330 North Charles St., Baltimore, having plans prepared by H. P. Hopkins, 347 North Charles St., Baltimore, 3 story and basement, 40 x 100 ft., brick ward building addition, plain foundation, here. $250,000.

Ga., Atlanta — CITY HALL — Defeated $2,000,000 bonds for city hall. New election in November. W. Sims, mayor. Noted July 23.

Fla., Coral Gables — APARTMENT — Meyer-Kiser Corp., Miami, having plans prepared by George & Zimmerman, Meyer Kiser Bank Bldg., Indianapolis, Ind., 3 story and basement, 80 x 140 ft., rein.-con. and hollow tile, here. $165,000.

La., Shreveport — BUSINESS — G. F. Bishop, c/o G. F. Bishop, Inc., soon lets contract 5 story addition, Spring and Milam Sts. $175,000. Engineer and architect not announced.

O., Canton—THEATRE and OFFICE—Loews Inc., 1540 Bway., New York City, plans 3 story and basement, 100 x 200 ft., brick, steel, concrete and ornamental stone, Market Ave. N. to Piedmont Ave. N. W. $750,000.

O., Cleveland — STORE and APARTMENTS — East 130 Buckeye Co., J. Polshek, pres., c/o P. J. Spitz Co., Swetland Bldg., having plans prepared by N. Petti, Williamson Bldg., store and 2 apartments, each 3 story, brick and timber, East 130th St. and Woodland Rd. $225,000.

Ind., Indianapolis — HOME — Pythian Home Fund Com., Indiana Pythian Bldg., plans 3 story and basement, rein.-con., brick and steel home, plain foundation. $300,000. Engineer and architect not announced.

Ind., Indianapolis — INSURANCE — Supreme Lodge, Knights of Pythias, Pythian Bldg., Indianapolis, having plans prepared by McGuire & Shook, Pythian Bldg., 3 story and basement, 75 x 120 ft., rein.-con., brick and steel, concrete pile foundation, Meridian St. $250,000.

Mich., Detroit — OFFICE — United Brotherhood of Maintenance of Way Employes & Railroad Shop Laborers, 61 Putnam St., having plans prepared 9 story and basement, rein.-con., brick and steel, plain foundation, Clifford and Columbia Sts. $400,000. Engineer and architect's names withheld.

Mich., Eloise — HOSPITAL — Supervs. Wayne Co., J. C. Lodge, chn., Detroit, plans 3 story and basement, brick and concrete hospital, here. $350,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT and SHOP—G. H. J. Haas, 130 North Wells St., takes bids about Nov. 1, 3 story and basement, 160 x 300 ft., rein.-con., brick and stone, Lake St. between Mayfield and Menard Aves. $600,000. P. Hansen, 1320 Wilson Ave., archt.

Ill., Chicago—HOTEL and STORE—A. G. Halas, 4732 North Racine Ave., takes bids about Nov. 5, 12 story and basement, 96 x 150 ft., rein.-con., brick and stone, Leland and Racine Aves. $1,000,000. L. G. Hallberg & Co., 116 South Michigan Ave., archts.

Ill., Chicago — HOTEL — Gallup & Joy, archts., 646 North Michigan Ave., soon lets contract remodeling and constructing 10 story and basement, 25 x 150 ft., rein.-con. addition, for Hotel Lexington, 22nd St. and South Michigan Ave. $750,000.

Ill., Chicago — STORE and LOFT — Gallup & Joy, archts., 646 North Michigan Ave., soon lets contract 2 story, 50 x 90 ft., concrete and brick, West Division St. near Mansfield Ave. $150,000. Owner's name withheld.

Wis., Milwaukee — HOSPITAL — Milwaukee Hospital, 22nd and Cedar Sts., soon takes bids 5 story and basement, 46 x 150 ft., brick and concrete addition and boiler house, Cedar St. $250,000. Clas, Shepherd & Clas, 445 Milwaukee St., archts. Noted April 2.

Mo., Kansas City—GARAGE—E. Saulsbury, 3526 Bway., plans rein.-con. garage. $150,000.

Mo., St. Louis — BANK and OFFICE — Jefferson-Gravois Bank, 2534 South Jefferson Ave., having preliminary plans prepared by St. Louis Bank Equipment Co., 811 Walnut St., 3 story and basement, rein.-con., brick and stone, Jefferson and Gravois Aves. $200,000.

Mo., St. Louis—THEATRE, STORE, etc.—Local Syndicate, c/o Paul Jones Realty Co., Wainwright Bldg., having preliminary plans prepared 1 and 2 story and basement, rein.-con., brick, stone and terra cotta, Skinker, Oakland and Clayton Sts. $500,000. Private plans.

Buildings—Commercial (Continued)

Tex., San Antonio — JAIL — Bexar Co. having plans prepared by A. B. and R. M. Ayres, Bedell Bldg., and Seutter & Simons, Builders Exch. Bldg., archts. and engrs., remodeling present building and constructing 2 story, rein.-con. brick, stone and steel addition, Cameron and West Houston Sts. $500,000. A. C. Pancoast, 102 Turner St., co. engr.

Okla., Bartlesville—OFFICE and STORE —Phillips Petroleum Co., had plans prepared by Keene & Simpson, Land Bank Bldg., Kansas City, Mo., 7 story, 60 x 140 ft., rein.-con., brick and stone store and office building. $500,000. Noted June 25.

Okla., Boise City — COURT HOUSE — Cimarron Co. having preliminary plans prepared by Parker & Crawford, Amarillo, Tex., 3 story and basement, 90 x 144 ft., rein.-con. and brick, plain foundation, Main St. $175,000.

Okla., Okmulgee—OFFICE—J. W. McCulloch, 1324 8th St., having preliminary plans prepared by Smith & Senter, 401 Commerce Bldg., 6 story and basement, 95 x 103 ft., rein.-con., brick and stone, Creek St. $350,000.

Okla., Okmulgee—OFFICE—W. B. Pine having preliminary plans prepared by Smith & Senter, Okmulgee, 10 story and basement, 50 x 140 ft., brick, plain foundation, Creek St. $350,000.

Okla., Ponca City — THEATRE, STORE and OFFICE—E. Wetzel, G. H. Butt and J. A. Douglas soon take bids 2 story, 60 x 140 ft., concrete and brick, plain foundation, Grand Ave. $150,000. Smith & Senter, Okmulgee, archts. Noted Sept. 10.

Okla., Tulsa—MARKET—Producers Cooperative Co., c/o R. D. Rees, secy., having plans prepared by M. Cross, 16 Nebraska Bldg., 1 story and basement, 140 x 140 ft., rein.-con. and brick, plain foundation, 5th St. $150,000.

Colo., Pueblo—OFFICE and THEATER —Middlecamp, Lee & Knudes, Pueblo, having plans prepared by W. N. Bowman, Indurance Bldg., Denver, 4 story and basement, 120 x 200 ft., 4th and Main Sts. $300,000.

Ore., Portland — BUSINESS — Plaza Investment Co., having plans prepared by C. W. Ertz, Pittock Blk., 2 story and basement, 100 x 134 ft., rein.-con., 4th and Main Sts. To exceed $150,000.

Ore., Portland—THEATRE and STORE —J. H. De Houey having plans prepared by C. A. Houghtaling, 326 Stark St., 2 story, 150 x 150 ft., rein.-con., 21st St. and Washington Ave. $200,000.

Ore., Portland—THEATRE and STORE —Jensen & Von Herberg, having plans prepared by Bennes & Herzog, Chamber of Commerce Bldg., and soon takes bids 1 story rein.-con., stucco and tile theatre, 1,600 capacity, East 41st St. and Sandy Blvd. $400,000.

Calif., Los Angeles—THEATRE—Hollywood Music Box, Inc., Hollywood, having preliminary plans prepared by Morgan, Walls, & Clements, 1124 Van Nuys Bldg., rein.-con., 6120 Hollywood Blvd., here. $150,000.

Calif., Los Angeles — THEATRE — H. E. Jones, (representing owners) having plans prepared by Gogerty & Weyl, archts. and engrs., 820 Hollywood Guaranty Bldg., 2 story, 100 x 181 ft., rein.-con., Vine St. near Hollywood Blvd. $300,000.

Calif., Los Angeles — WAREHOUSE — Goodyear Tire & Rubber Co., 6701 South Central Ave. soon takes bids 4 story, 100 x 200 ft., rein.-con. warehouse addition, 6701 South Central Ave. $150,000.

Calif., Pasadena—EXCHANGES—Southern California Telephone Co., having plans prepared by J. and R. B. Parkinson, 420 Title Insurance Bldg., Los Angeles, 3 story and basement, 90 x 130 ft., rein.-con., Madison Ave. and Green St.; and 2 story and basement, 100 x 100 ft., rein.-con., Elizabeth and Lake Sts. To exceed $150,000 each.

Calif., San Leandro—CITY HALL—City Council election Nov. 6, $150,000 bonds, new city hall.

Calif., Santa Monica—CLUB—Breakers Corp., c/o H. L. Lewis, 804 Spring Arcade Bldg., Los Angeles, plans 8 story clubhouse on Marineway, here. $500,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Maynard—BANK—Maynard Trust Co., Main St., taking bids 2 story and basement, brick and steel, Main St. $150,000. E. B. McGirr, 6 Beacon St., Boston, archt. Noted Aug. 20.

Mass., Sharon — LODGE — L. Dubinsky taking bids Sunset Lodge, 3 story and basement, 75 x 95 ft., brick and timber, plain foundation. $150,000. L. G. Foster, 101 North Main St., Mansfield, archt.

Conn., New Haven—APARTMENT—See "Contracts Awarded."

Mich., Detroit—APARTMENT, CHURCH, etc. — Williams & Coughlan, archts., 801 Kresge Bldg., taking bids 9 story and basement, 75 x 100 ft. apartment, 2 story and basement, 79 x 100 ft. church, and 3 story and basement, 50 x 100 ft. recreation building, all rein.-con., brick and stone, West Grand Blvd. and 12th St., for West Grand Blvd. Methodist Episcopal Church, R. H. Bready, pastor, 1955 La Mothe Ave. $850,000. Noted June 25.

Mich., Detroit — WAREHOUSE — Lane, Davenport & Peterson, archts., Charlevoix Bldg., taking bids 6 story, 100 x 550 ft., rein.-con. and brick, West Fort St., for Coe Terminal Warehouse Co., 5620 Federal Ave. $3,000,000.

Ill., Chicago—APARTMENT—Oct. 25, by C. F. Henry, 7455 Greenview Ave., 16 story and basement, 60 x 209½ ft., rein.-con., brick, steel and stone, wood pile foundation, Seneca St. and Delaware Pl. $2,000,000. Thielbar & Fugard, 219 East Superior St., archts.

Ill., Chicago—APARTMENT—See "Contracts Awarded."

Wis., Milwaukee — HOTEL—M. Tullgren & Sons, archts., 425 East Water St., taking bids 4 story and basement, 52 x 150 ft., brick and concrete, plain foundation, 4th and Wells Sts., for Republic Building Co., 530 Grand Ave. $250,000.

Minn., St. Paul—HOSPITAL—Oct. 26, by Ramsey Co. Bd. Control, O. J. Tong, secy., Court House, 4 story and basement, T shaped, rein.-con., brick and stone addition to Aucker Hospital, Jefferson and Colburn Sts. $380,000. Buechner & Orth, 500 Shubert Bldg., archts. Noted June 4.

Okla., Tulsa — HOTEL — Shephard & Wiser, archts., 1208 R. A. Long Bldg., Kansas City, Mo., taking bids 8 story and basement, V shape, rein.-con. and brick, 15th St. and Frisco Ave. $1,000,000. Noted Aug. 20.

BIDS RECEIVED

Calif., Richmond — HOTEL — Richmond Community Hotel, E. M. Downer, pres., 5 story hotel, from Barrett & Hilp, 354 Hobart St., Oakland, $153,900. Noted Sept. 24.

CONTRACTS AWARDED

Mass., Boston — APARTMENT—Landon Inc., 397 Commonwealth Ave., altering and constructing 5 story and basement, brick addition, to W. H. Whitcomb Constr. Co., 6 Beacon St. Archts. est. $150,000.

Mass., Lynn—APARTMENT—B. Bloom, 106 Newhall St., will build 4 story and basement, brick and stone, Woodbury Rd. $150,000. Work will be done by separate contracts. B. O. Cornet, 10 Central St., archt.

Conn., Hartford — OFFICE and THEATRE — M. Shulman & Sons, 1764 Park St., 2 story, 90 x 115 ft., brick and steel, to S. C. Poriss Co., 104 Asylum St. Archts. est. $150,000. Noted Aug. 20.

Conn., New Haven — APARTMENT — L. Berman, 1519 Chapel St., will build 3 story, 110 x 120 ft., brick and stone, Fountain St., by day labor. $150,000. J. Weinstein, Metropolitan Bldg., archt.

N. Y., Fishers Island—CLUB—Fishers Island Corp., 3 story and basement, 50 x 352 ft., brick and stucco, to General Building Co., 522 Harrison Ave., Boston, Mass. Archts. est. to exceed $150,000. Noted Oct. 1.

N. Y., Long Island City—BANK and OFFICE—Bank of Manhattan Co., 40 Wall St., New York City, 11 story, 60 x 100 ft., brick, steel and stone, plain foundation, 5 Skillman Pl., to C. T. Wills, Inc., 286 5th Ave., New York City.

N. Y., New York—HOSPITAL—Cranleigh Hospital, 37 Bridge St., 9 story, 75 x 100 ft., brick, steel and stone, plain foundation, East 90th St., to W. N. Smith, 101 Park Ave. Archts. est. $500,000. Noted Aug. 27.

N. J., Atlantic City — HOTEL — Hotel Chelsea, Morris Ave. and Beach, 9 story, 100 x 240 ft., brick and steel addition, plain foundation, to F. V. Warren Constr. Co., 1913 Arch St., Phila.

Pa., Nazareth — BANK — Nazareth Natl. Bank, general contract for bank, to Butz & Clader, Allentown, $150,000.

Pa., Phila. — APARTMENT — C. Gross, Land Title Bldg., 3 story and basement, 42 x 100 ft., brick and steel, plain foundation, Roosevelt and Summerdale Rds., to F. H. Harris Co., 1520 Parrish St. Archts. est. $150,000.

Pa., Phila.—BANK and OFFICE—Hall & Gravell, archts., Otis Bldg., 12 story and basement, 48 x 108 ft., rein.-con., brick and steel, plain foundation, 15th and Locust Sts., to F. V. Warren Co., 1913 Arch St. for R. Seltzer Apartment, 1423 Locust St. Archts. est. $700,000.

Pa., Phila. — STORE — S. S. Kresge. Kresge Bldg., Detroit, Mich., 2 story and basement, 48 x 105 ft., rein.-con., brick and steel, plain foundation, 2330-34 North Front St., here, to F. Elvidge & Son, 5522 Germantown Ave. Archts. est. $150,000.

Fla., Sarasota—COURT HOUSE—City court house, to Stevenson & Cameron, Sarasota, and 37 West 25th St., New York City, $336,426.

La., New Orleans—BUSINESS—E. Weil, archt., Whitney Bldg., altering and improving Macheca Building, 826 Canal St., incl. remodeling interior, heating system, etc., to L. F. Favret, Louisiana Bldg., for Godchaux Clothing Co. Archts. est. $150,000 plus.

O., Akron — GARAGE — Mankin-Ferris Co., 422 West Exchange St., 3 story and basement, 76 x 130 ft., rein.-con., brick and stone, West and West Market Sts., to C. W. and P. Constr. Co., 718 Sec. Natl. Bldg., $150,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., C. P. Cooper, pres., 4300 Euclid Ave., 22 story and basement, 154 x 159 ft., East 85th St. and Huron Rd., to Lundoff-Bicknell Co., B. F. Keith Bldg. Archts. est. $7,500,000. Noted Sept. 3.

Mich., Flint — COURTHOUSE—Supervs. Genessee Co., 4 story, 81 x 172 ft., rein.-con. courthouse, to F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $420,000; heating and equipment, to Newett Co., Flint, $43,100. Noted May 28.

Mich., Pontiac — HOSPITAL — Bd. Supervs., 2 story and basement, brick and rein.-con. contagion hospital, to Pryale Constr. Co., 701 Pontiac Commercial Bank Bldg., $150,000 cost plus percentage basis. E. & R.

Mich., Springwells — GARAGE — Detroit Motorbus Co., 14401 Dexter Blvd., Detroit, 1 story, 135 x 300 ft. brick and concrete, here, to Austin Co., 2201 1st Natl. Bank Bldg., Detroit.

Ill., Chicago—APARTMENT—H. Kaplan, etc., 2011 West Division St., will build 4 story, 125 x 150 ft., brick and terra cotta, Jackson Blvd. and Hamlin Ave. $450,000. Work will be done by separate contracts. Dubin & Eisenberg, 14 West Washington St., archts.

Ill., Chicago—OFFICE—Standard Oil Co., 8th St. and Michigan Ave., general contract 7 story, 134 x 241 ft., rein.-con., brick and steel top addition, to J. Griffiths & Sons, 112 West Adams St. Archts. est. $2,000,000. Noted Sept. 10.

Ill., Chicago—THEATRE and HOTEL—Hydestone Building Corp., 1118 South Michigan Ave., general contract 12 story, 140 x 180 ft., and 60 x 150 ft., fireproof theatre and hotel, 5101-5125 Blackstone Ave., to J. A. Lindstrum Co., 5153 North Clark St. Archts. est. $1,500,000.

Ill., Springfield — OFFICE, STORE and APARTMENT — Lincoln Square Theatre Corp., c/o L. Roberts, 113 North 5th St., 3 story, 157 x 242 ft., rein.-con. and brick, 5th and Jefferson Sts., to Kaiser & Ducett Constr. Co., Joliet Natl. Bank Bldg., Joliet. Theatre portion awarded soon by R. Levine & Co., archts., 822 West 70th St. Archts. total est. $850,000. Noted Feb. 12.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Allston (Boston P. O.) — SCHOOL — Schoolhouse Dept., City Hall, Boston, having preliminary sketches made by E. I. Wilson, 109 State St., Boston, 2 story, brick, Brainard Rd., here. $150,000.

Mass., Medford (Boston P. O.)—SCHOOL —City, having sketches made by M. A. Dyer, 1 Beacon St., Boston, 2 story and basement, brick and stone, Park and Court Sts. $300,000.

Mass., Medford (br. of Boston) — SCHOOL — City, School Com., plans 2 story, brick elementary school, Webster and Waterbury Sts., Medford Center Dist. $150,000 or more. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.) — SCHOOL—City, Schoolhouse Dept., Boston,

Buildings—Educational, Religious (Cont.)

plans 2 story, brick, Washington and Walden Sts., here. $160,000. Engineer and architect not selected.

Mass., Salem—HIGH SCHOOL—City, J. J. McCarthy, chn. com., 81 Washington St., plans brick and stone addition. $150,000. Engineer and architect not selected.

Mass., Sharon—SCHOOL—School Com., having preliminary plans prepared by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, 2 story and basement, brick and stone school. $150,000.

Mass., West Roxbury (Boston P. O.) — SCHOOL — Schoolhouse Dept., City Hall, Boston, having plans prepared by R. C. Sturgis, 120 Boylston St., 2 story and basement, brick and stone elementary school, Gardner and Dunwell Sts., here, $150,000.

Conn., East Haven (br. New Haven) — SCHOOL — Town, School Comn., Town Hall, plans Junior High School, brick and steel, Thompson St. $150,000. Engineer and architect not selected.

Pa., Hazelton—HIGH SCHOOL—Hazelton School Dist., having plans prepared by Lawrie-Green Co., 116 Locust St., Harrisburg, high school. $500,000.

Pa., New Castle—CHURCH and SUNDAY SCHOOL—Third U. P. Congregation, c/o S. B. Copeland, pastor, 1309 East Washington St., having plans prepared by J. L. Beatty, Jackson Bldg., Pittsburgh, 2 story and basement, 96 x 120 ft., stone or brick, East Washington St.

Pa., Scranton—SYNAGOGUE—Temple Israel Congregation having plans prepared by L. Reisman, Miller Bldg., for synagogue, here. $250,000.

Pa., Sunbury — SUNDAY SCHOOL and PARSONAGE — First United Evangelical Church, having plans prepared by J. O. Fulton & Son, Sunday school and parsonage. $150,000.

Pa., West Pittston — HIGH SCHOOL — School Bd. takes bids about Oct 10, for high school. $250,000. Mach & Sahm, Coal Exch. Bldg., Wilkes Barre, archt. J. B. Foster, Wilkes-Barre, associated archt. $250,000.

Md., Baltimore — NURSES HOME — Mayor and City Council, City Hall, plan 4 story, brick and steel nurses home, plain foundation, Eastern Ave. $200,000. Engineer and architect not selected.

Miss., Hattiesburg — SCHOOLS — Voted $200,000 bonds for schools. Engineer and architect not selected.

O., Akron — SCHOOL — Bd. Educ., plans 2 story and basement, brick addition to G. T. Rankin School. $200,000.

O., Cleveland — SCHOOL — Bd. Educ., F. G. Hogen, dir., having plans prepared by G. M. Hopkinson, 6th St. Clair Bldg., 2 story and basement, 10 room, brick, steel and concrete addition, East 131st St. and Corlett Ave. $247,500.

O., Cleveland — SCHOOL — Bd. Educ., F. G. Hogen, dir., plans 31 room, brick, steel and concrete, East 116th St. and Union Ave. $642,000. G. M. Hopkinson, 6th St. Clair Bldg., archt.,

O., Lorain—CHURCH—Church of Christ having plans prepared by L. H. Sturgis, Bd. Trade Bldg., Indianapolis, Ind., 2 story and basement, Bedford stone church. $175,000.

Ind., Flat Rock—SCHOOL—D. Clark, trustee, Shelbyville, having plans prepared by Allen & Garrison, Natl. City Bank, Indianapolis, 2 story and basement, 92 x 120 ft., brick, plain foundation. $165,000.

Ind., Indianapolis — SCHOOL — School Bd. having plans prepared by Osler & Burns, Penway Bldg., 2 story and basement, brick, steel and concrete, plain foundation, Howard St. $170,000.

Ind., Indianapolis—SCHOOL—School Bd. having plans prepared by Pierre & Wright, Hume-Mansur Bldg., 2 story and basement, brick, steel and concrete, plain foundation, Vermont St. $170,000.

Ind., Indianapolis—SCHOOL—St. Phillip Neri Church, 527 Eastern Ave., having plans prepared by Henkel & Hansen, Connersville, 2 story and basement, rein.-con., brick and stone, North St. $150,000.

Mich., Ann Arbor—OBSERVATORY—University of Michigan plans rein.-con. observatory, plain foundation. $250,000. Architect not selected.

Kan., Pittsburg — SCHOOLS—Bd. Educ. having plans prepared by C. A. Smith, 800 Finance Bldg., Kansas City, Mo., rein.-con. and brick Grade, Junior and Senior High Schools. $650,000.

Mo., Kirkville — COLLEGE — Northeast Missouri Teachers College, J. Kirk, chn., will not construct until 1926 or later, 3 story and basement, 122 x 148 ft., brick, concrete, stone and steel administration building, on campus. Noted Oct. 1.

Ark., Pine Bluff—CHURCH—First Presbyterian Congregation, R. E. Fry, pastor, having preliminary sketches made by Spencer & Phillips, 203 Fidelity Bank Bldg., Memphis, Tenn., 2 story and basement, concrete, brick and stone church. To exceed $150,000.

Okla., Tulsa — SCHOOL — Augustinian Fathers, 1530 South Rockford St., F. A. Driscoll, pres., takes bids about Dec. 1, 2 story and basement, 60 x 147 ft. rein.-con., brick and tile school, 2 story and basement, brick, tile and cut stone residence, 1 and 2 story 78 x 100 ft. concrete and brick gymnasium, Terwilliger Heights. $200,000. A. M. Atkinson, 218 Midcontinent Bldg., archt.

BIDS DESIRED

Vt., Rutland—NURSES HOME—Rutland Hospital, c/o A. H. Smith, archt., Gryphon Bldg., taking bids 3 story and basement, 45 x 105 ft., rein.-con., brick and tile, plain foundation. $150,000. Noted Aug. 20.

Mass., Medford — COLLEGE — Marist Fathers, A. Rabel, pastor, 35 Middlesex St., taking bids 2 story and basement, granite and stone, Green Rd. $500,000. W. F. Fontaine, 285 Main St., Woonsocket, R. I., archt.

Mass., Roxbury (Boston P. O.) — SCHOOL—Mission Church Parish, W. O'Connell, 25 Granby St., taking bids 2 story and basement, 64 x 200 ft., brick and stone, plain foundation, Tremont St. $200,000. F. J. Untersee, 585 Boylston St., archt.

Conn., New Britain—SCHOOL—Oct. 26, by School Dept., J. M. Halloran, chn., 2 story, brick, Steel St. W. P. Crabtree, 272 Main St., archt. Noted Aug. 20.

Conn., West Haven (br. of New Haven) —HIGH SCHOOL—Oct. 26, by Union School Dist., 2 story and basement, 64 x 220 ft., and 68 x 110 ft., rein.-con., brick and stone, Main St. $600,000. R. W. Foote, 185 Church St., New Haven, archt.

N. Y., Port Richmond (Sta. Staten Island)—HIGH SCHOOL—Oct. 22, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, for high school, Innis St. and St. Joseph's Ave., here, for Bd. Educ., 500 Park Ave., New York City.

Pa., Lawndale (Sta. Phila.) — RELIGIOUS, etc. — Oct. 19, by Bureau of Architects, 1701 Arch St., Phila., 2 story and basement, 83 x 102 ft., brick and steel, plain foundation Lerrick and Palmetto Sts., here, for Lawndale Methodist Episcopal Church. Noted Sept. 24.

Pa., Phila. — GIRLS HIGH SCHOOL — Oct. 19, by Hoffman-Henon Co., archts., Finance Bldg., 3 story, basement and subbasement, 188 x 215 ft., rein.-con., brick and steel, plain foundation, 45th and Chestnut Sts., for Phila. Diocese; 18th and Race Sts. $1,000,000.

Ala., Birmingham—LIBRARY—Oct. 19, by Secretary Library Bd., library building and equipment, Park Ave. between East 20th and East 21st Sts. $650,000. Miller & Martin, Title Guarantee Bldg., archts. E. Gugler, 101 Park Ave., New York City, consult. archt. This corrects report in Oct. 1 issue under "Unclassified."

O., Cleveland — SCHOOL — Bd. Educ., F. G. Hogen, dir., taking bids 2 story and basement, 65 x 149 ft., brick, steel and concrete addition, West 130th and Lorain Ave. $247,000. G. M. Hopkinson, Auditorium-Garage Bldg., archt.

Kan., Pittsburg—LIBRARY—Oct. 20, by C. D. Cuthbert, State House, Topeka, 3 story and basement, 97 x 147 ft., rein.-con., brick and stone library, here, for State Teachers College. $150,000. Noted Oct. 8.

Tex., Childress—HIGH SCHOOL—Oct. 22, by G. A. Carlander, archt., 15 Massie Bldg., Amarillo, 2 story and basement, 58 x 200 ft. with 72 x 117 ft. wing, rein.-con., brick and stone, plain foundation, here, for Bd. Educ. $150,000. Noted July 2.

Ont., London—COLLEGIATE—Oct. 22, by S. F. Lawrason, chn. Bd. Educ., 3 story, 85 x 185 ft. brick, Dundas St. $300,000. L. E. Carrothers, c/o Bd. Educ., archt. Noted Aug. 27.

BIDS RECEIVED

N. Y., College Point (Ind. Sta. Flushirg) — SCHOOL — W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract addition to P. S. 27, here, for Bd. Educ., Park Ave. and 59th St., New York City, from Eastern Constr. Co., 110 West 40th St., New York City, $236,236; heating, from D. J. Rice, Inc., 405 Lexington Ave., New York City, $39,885. Noted Sept. 24.

N. Y., Forest Hills (Ind. Sta. Flushing)—SCHOOL—Superintendent of School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, Oct. 8, general contract P. S. 101, Russell Pl., Slocum Crescent, Standish Rd. and Childrens Lane, here, for Bd. Educ., Park Ave and 59th St., from Concord Constr. Co., 476 Seneca Ave., Brooklyn, $507,800; heating, from Almirall & Co., Inc., 1 Dominick St., New York City, $57,990; plumbing, from N. P. Lorenzo, 430 Pearl St., New York City, $25,630. Noted Sept. 24.

Pa., Phila. — SCHOOL — Bd. Educ., 19th and Chestnut Sts., Oct. 6, general contract 4 story and basement, 73 x 189 ft., rein.-con. and brick, plain foundation, 23rd and Jefferson Sts., from W. H. Wehmeyer, 500 West Cumberland St., $385,975; heating, from Mechanical Equipment Co., 214 South 12th St., $41,964. Noted Oct. 1.

CONTRACTS AWARDED

Mass., Haverhill — SCHOOL — City, City Councils Office, 3 story and basement, brick and steel, Grove St., to Z. A. Houle, Lowell. Archts. est. $250,000. Noted Oct. 1.

R. I., Warwick — SCHOOLS — T. J. H. Pierce, Inc., archt., 30 Allens Ave., Providence, 2 story and basement, 40 x 64 ft. brick and steel additions to Conimicut and Oakland Beach Schools, here, to A. Kirken Co., 110 Norfolk St., Cranston; Lakewood School, here, to Balchin Constr. Co., 86 Weybosset St., Providence, for School Com., Town Hall. Archts. est. $150,000. Noted Oct. 8.

Conn., Ansonia — SCHOOL — St. Josephs Polish Roman Catholic Church, A. Zielezick, pastor, 2 story and basement, 85 x 115 ft., brick and steel, Jewett St., to M. A. Durrschmidt, 106 Main St., Derby. Archts. est. $200,000.

Pa., Allentown—HIGH SCHOOL—School Bd., Junior High School, 3 story and basement, 94 x 170 ft., rein.-con., brick and steel, plain foundation, Lumber St., to Freil McLeister, Inc., 1615 Spruce St., Phila. $460,000. Noted Sept. 3.

Pa., Summithill—SCHOOL—School Bd., general contract for grade school, to A. Breslin, Summithill, $200,000.

Pa., Wilkes-Barre — CHURCH — St. Aloysius Roman Catholic Church, general contract for church, to A. M. Hildebrand, 91 Wood St., $250,000.

Md., Baltimore—CHURCH, etc.—First and St. Stephens Reformed Church, c/o C. N. and N. Friz, archts., Lexington Bldg., 2 story and basement, 91 x 122 ft. stone church and parsonage, plain foundation, York Rd., to D. M. Andrew Co., Sisson and 26th Sts., $150,000.

O., Columbus — STUDY HALL — Bd. Trustees Ohio State University, C. E. Seeth, secy., 3 story, 60 x 120 ft., rein.-con. and brick, on campus to D. W. McGrath & Sons, 255 East Broad St., $194,983. Noted Sept. 3.

Ill., Chicago—SCHOOL—Bd. Educ., general contract 2 story, 75 x 368 ft., rein.-con. and brick, 5001-5059 Kenneth Ave., to S. N. Nielsen Co., 3059 Augusta St. Archts. est. $400,000. Noted July 16.

Okla., Tulsa—CHURCH and PARISH—Sacred Heart Parish Church, 1 and 2 story, 90 x 130 ft., and 38 x 100 ft., rein.-con., brick, steel and tile, plain foundation, to Reinhart & Donovan Co., Tulsa, $181,000. Noted July 30.

Federal Government Work

PROPOSED WORK

Miss., Gulfport—Dredging—U. S. Engineer, Wash., D. C., preparing preliminary plans deepening main ship channel, here.

Calif., San Francisco—Fence—Spec. 5144—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids constructing 395 ft. non-climable fence of steel posts, chain link, diamond mesh pattern, and single type post top carrying 3 barbed wires, etc., at Marine Corps Depot for Supplies, here.

BIDS DESIRED

N. Y., Stapleton (Staten Island P. O.)—Hospital—Nov. 9, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing maids rooms, additional porches, etc., at Junior Medical Officers Quarters, New York Marine Hospital, here; adv. E. N.-R. Oct. 15.

N. J., Montclair—Post Office—Nov. 5, by Treas. Dept., at office Supervising Archt.

Federal Government Work (Continued)

Wash., 1 story and mezzanine brick and stone post office, here; adv. E. N.-R. Oct. 15.

D. C., Wash.—File Boxes—Oct. 27, by Dept. Interior, Room 1014, 22,000 (more or less) galvanized iron file boxes, for Pension Office.

Fla., Miami — Box Bays — Oct. 21, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending box bays at Post office, Court House and Custom House, here.

Ala., Florence—Metal Doors—Nov. 9, by U. S. Engineer Office, metal doors at Wilson Dam, Tennessee River; adv. E. N.-R. Oct. 15.

Tenn., Memphis — Laundry Equipment, etc.—Oct. 27, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., installing laundry and ice making equipment, furnished by Government, at U. S. Veterans Hospital 88, here.

Ill., Chicago—Breakwater—Oct. 29, by U. S. Engineer Office, 537 South Dearborn St., breakwater at Indiana Harbor, Ind.; adv. E. N.-R. Oct. 15.

Wis., Milwaukee—Derrick Boat—Nov. 16, by U. S. Engineer Office, 15 ton steel derrick boat; adv. E. N.-R. Oct. 15.

Ariz., Yuma—Power Plant—Nov. 16, by Bureau Reclamation, Dept. Interior, buildings, foundations, machinery, etc., for siphon drop power plant, Yuma Project, Ariz.-Calif.; adv. E. N.-R. Oct. 15. Noted July 16.

BIDS RECEIVED

Conn., Stamford—Dredging—U. S. Engineer Office, Providence, R. I., Oct. 2, dredging in Stamford Harbor, from J. S. Packard Dredging Co., Turks Head Bldg., Providence, R. I., $28,125. Noted Sept. 3.

Md., Baltimore—Roads—Treas. Dept. at office Supervising Architect, Wash., D. C., extending and remodeling roads at U. S. Marine Hospital, here, from Sloan-Dickinson Corp., 136 Liberty St., New York City, N. Y., $8,300. Noted Oct. 1.

Ala., Mobile—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here, from A. C. Samford, 24 Galena St., Montgomery, $15,-927, deduct $3,860, total $12,067. Noted Aug. 20.

CONTRACTS AWARDED

N. Y., Sackets Harbor — Quarters — War Dept. at Office Quartermaster General, constructing administration and barracks buildings, and quartermasters store house, under items 3, 5, and 13, to J. W. Cowper Co., Fidelity Bldg., Buffalo, N. Y., $206,655. Noted Oct. 8.

Pa., Williamsport — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., addition to post office, here, to W. L. Morrison Constr. Co., 613 15th St., Wash., D. C. $16,600 Noted Oct. 8

D. C., Wash.—Tender—Comr. Lighthouse, stern wheel, steam propelled lighthouse tender Wakerobin for use on Mississippi River, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $187,000. Noted Oct. 8.

Va., Norfolk — Heating Plant — Treas. Dept. at office Supervising Archt. hot water heating plant for Buildings 2, 3 and 5, at U. S. Quarantine Station, Craney Island, to J. J. Shanahan, 217 West Freemason St., Norfolk.

Fla., Lakeland — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here, to A. D. Gallentine, 344 Gilmore Ave., $14,517. Noted Sept. 17.

Ind., Evansville — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here, to M. J. Hoffman Constr. Co., 402 Furniture Bldg., $3,330. Noted Aug. 20.

Mo., Kansas City — Alterations — Treas. Dept. at office Supervising Archt., Wash., D. C., alterations and additions to U. S. Post Office and Courthouse, here, to W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis; $6,875. Noted Oct. 8.

Mo., Kansas City — Current Retards — U. S. Engineer Office, 707 Postal Telegraph Bldg., 1,075 lin.ft. current retards in Missouri River at Blue Mills Bend, to Woods Bros. Constr. Co., Lincoln, Nebr. $59,056.

Tex., Comanche — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick, tile and stone post office, here, to Deans & Groggin, Box 322, Thibodaux, La., $39,965. Noted Oct. 1.

Tex., Galveston—Dredging—Treas. Dept. at office Supervising Archt., Wash., D. C., dredging boat basin, here, to W. Moore Co., Houston.

Calif., San Fernando—Pumphouse, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., pumphouse at U. S. Veterans Hospital, here, to Northern Pacific Constr. Co., Detweiler Bldg., Los Angeles, $4,960; pipe line, to T. Haverty Co., 316 East 8th St., Los Angeles, $4,075, 100,000 gal. steel tank, to Llewellyn Iron Wks., 1200 North Main St., Los Angeles, $4,990; pumps, installation, etc., to J. M. Eustace, 1246 East 9th St., Los Angeles, $3,959. Grand total $17,943.

Unclassified

PROPOSED WORK

Ferry—Chelsea (Boston P. O.), **Mass.**—Bd. Aldermen plans reconstructing Old Chelsea Ferry (Chelsea to Boston). $300,-000. Engineer not selected.

Elimination of Grade Crossings—Columbus, O.—City and Norfolk & Western R.R. Co., 22 North 3rd St., W. P. Wiltsee, ch. engr., plan elimination of grade crossings on Livingston and Clifton Aves., Franklin Park S., Main Broad and Long Sts. $1,800,-000. R. H. Simpson, city engr.

Swimming Pool and Bath House — Wamego, Kan. — City making plans 100 x 150 ft. swimming pool and 40 x 60 ft. bath house. David & Finney, 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Power Transmission Line—Texas—Midwest Utilities Co. Frost Bldg., San Antonio, plans high power transmission line from Gonzales to connect with plant at Cuero. $150,000. Private plans.

Ferry Landing—Port Bolivar, Tex.—See Streets and Roads."

Swimming Pool — Los Angeles, Calif. — See Buildings—Religious, Educational.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., 112 North Bway., Oklahoma City, making plans 20 mi. 13,200 volt transmission line to serve towns of Ripley, Coyle and Perkins. $40,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Transmission Line—Templeton, Que.—Papineauville Lumber Co. Ltd., Papineauville, applied to Public Utility Comn., for permit for 6,600 v. transmission line, here. $50,000.

Power Lines — Ontario — Hydro Power Comn., 190 University Ave., Toronto, plans extending power lines to Port Rowan, Port Ryerse and St. Williams. $40,000. C. Macgrath, chn.

BIDS DESIRED

Borings—Albany, N. Y.—Oct. 16, by Albank Port Dist. Comn., 100 State St., 35 wash borings each about 100 ft. deep, and about 10 core borings, each 10 ft. deep. F. C. Herrick, chn.

Inspection Shed — Corona (Ind. Sta. Flushing), **N. Y.**—Oct. 16, by Bd. Transportation, 49 Lafayette St., New York City, inspection shed enclosure at Corona Yard, here. J. H. Delaney, chn.

Comfort Station—New York, N. Y.—Oct. 22 by Park Bd., Dept. Parks, Arsenal Bldg., 64th St. and 5th Ave., comfort station under Terrace Bridge in Central Park.

Sub-Divisions—Biloxi, Miss.—Holmhaven on the Gulf, Inc., 2800 West Beach St., taking bids several new sub-divisions incl. development 350 acres, near here, and want materials for street paving, curbs, sidewalks, water and sewer pipe, fire hydrants, electric lighting system, etc. O. O. Carpenter, vice-pres.

Tunnel—Cleveland, O.—Halle Bros. Co., S. Halle, pres., Euclid Ave., taking bids rein.-con. underground tunnel. To exceed $40,000. Walker & Weeks, 1900 Euclid Bldg., archts.

Power Equipment—Detroit, Mich.—Oct. 19, by J. S. Foley, secy. Pub. Lighting Comn., 174 East Atwater St., power plant transformers, motor generator sets, emergency turbo-generator set and substation transformers, for new municipal power plant. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs.

Foundation—Kohler, Wis.—A. Treick, in charge of construction, Kohler, taking bids foundation for 5 story and basement, 82 x 200 ft., brick and concrete factory, plain foundation, for Kohler Co.

Crushing and Screening Plant—Oshkosh, Wis.—C. R. Meyer & Sons Co., 50 State St., taking bids gyratory stone crushing and screening plant to crush approximately 150 cu.yd.

Guard Rail, etc. — South Dakota — See "Streets and Roads."

Cattle Shed—West St. John, N. B.—Oct. 21, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, extending cattle shed, here. $50,000.

BIDS RECEIVED

Subway—Flushing, N. Y.—Bd. Transportation, 49 Lafayette St., New York City, Oct. 9, tracks for a portion Flushing extension of Queensboro Rapid Transit R.R. near intersection of Main St. and Roosevelt Ave., here, from T. H. Reynolds, 50 Park Pl., New York City, $45,485. Noted Oct. 1.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Oct. 6, constructing Sect. 4, Route 102 along and under 8th Ave. from West 38th to 47th Sts., from C. H. Locker, 149 Bway., (unofficial), $7,657,000. Noted Oct. 1.

Ventilation Buildings—New York, N. Y.—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., 2 ventilation buildings at Washington St., Canan Pier and Spring St., from DeRiso Bros., 50 East 42nd St., (unofficial) $1,165,708; ventilation work in connection with same, from Booth & Flinn, Green and Tompkins Aves., Brooklyn, (unofficial) $37,780. Noted Sept. 10.

Subway—Chicago, Ill.—Sanitary Dist. of Chicago, Room 700, 910 South Michigan Ave., substructure for McCormick Rd. Subway under Mayfair Cut-Off of Chicago & Northwestern R.R. near Oakton Ave., at Niles Center, from M. E. White Co., 851 North Carpenter St., Chicago, $154,448. Noted Oct. 1 under "Niles Center."

CONTRACTS AWARDED

Borings—New York, N. Y.—Port New York Authority, 11 Bway., water borings along Hudson River between 170th and 185th Sts., to Osborn Drilling Co., 120 Liberty St., $25,865. Noted Oct. 8.

Wiring—New Orleans, La.—Oct. 20, by S. Stone, Jr., archt., 714 Union St., wiring 18 story Masonic Temple, St. Charles and Perdido Sts. $85,000.

Transmission Line — Florida — Tampa Electric Co., Tampa and Cass Sts., Tampa, 55 mi. 66,000 v. transmission line from Tampa to Mulberry and Winter Haven, also 2nd line 35 mi. long to connect Tampa with Pinellas Co. Power Co. and Florida Power Co. at Tarpon Springs, to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

Park and Gardens — Nashville, Tenn. — State Memorial and Capitol Annex Comn., Capitol Bldg., improving Memorial Park, incl. grading, landscaping, retaining walls, masonry, drainage, walks, etc., to A. J. Krebs & Co., Capitol Ave., Nashville; and Virginia Ave., Atlanta, Ga., $135,000.

Culverts—Oskaloosa, Kan.—See "Streets and Roads."

Gas Pipe Line — Texas — Southern Natural Gas Co., Maverick Bldg., San Antonio, gas pipe for 100 mi. line from gas fields in Webb Co. to fields in McMullen Co., to Youngstown Steel Products Co., Youngstown, O.; general contract, to Hope Eng. Co., Farmers Bank Bldg., Pittsburgh, Pa. Engrs. est. approximately $600,000.

Culverts, etc. — British Columbia — Canadian Natl. Rys., 230 St. James St., Montreal, Que., culverts and concrete pipe at various points, here, to Hanson & Shockley, 230 Central St., Vancouver, $40,000.

Natatorium—Harrison Hot Springs, B. C.—See "Buildings—Commercial."

Materials

BIDS DESIRED

Broken Stone, etc. — Long Island City, N. Y. — Oct. 23, by M. J. Shugrue, acting pres. Queens Boro, Queens Subway Bldg., 3,450 cu.yd. broken stone and screenings.

Steel Castings—New York, N. Y.—Oct. 23, by J. Miller, pres. Manhattan Boro, Municipal Bldg., steel castings to Corporation Yards.

Pig Lead—Baltimore, Md.—Oct. 21, by Bd. Awards, 300,000 lb. pig lead to Water Supply Bureau. V. B. Siems, City Hall, water engr.

Gravel—Jennings, La.—Oct. 20, by Bd. Comrs. Jefferson Davis Parish, 24,000 tons washed gravel, for use in Bayou Chene Road Dist. M. Bernard, Crowley, engr.

BIDS RECEIVED

Castings—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Oct. 6, iron castings, to Corporation Yards, from Campbell Fdry. Co., 313 Manor Ave., Harrison, N. J., $5,266. Noted Oct. 1.

CONTRACTS AWARDED

Fuel Oil—Boston, Mass.—Supply Dept., City Hall, about 285,000 gal. light fuel oil to various City Depts., to New England Oil Refining Co., 31 State St., $0.075 per gal.

CONSTRUCTION NEWS

Engineering News-Record, Oct. 22, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Railroad, Alabama, Alabama, Tennessee & Northern R.R. Co. plans 78 miles extension, $10,000,000.

Railroad, Kansas and Texas, Chicago, Rock Island & Pacific R.R. Co. making preliminary plans for 145 mi. line, $10,000,000.

Office, San Francisco, Calif., Hunter, Dulin & Co. plan 25-story building, $5,000,000.

Roadwork, Pine Bluff, Ark., Jefferson Co. making preliminary plans, $4,000,000.

Bridge, Bathe, Me., State Hy. Dept. making plans for bridge over Kennebec River, $3,000,000.

Theatre, Chicago, Ill., M. Wolbach had plans prepared, $3,000,000.

Office, Chicago, Ill., Denford Building Corp. plans 16-story building, $3,000,000.

Water works improvement, Nashville, Tenn., City Bd. Pub. Wks. making preliminary plans, $3,000,000.

Park Improvement, New Orleans, La., Comn. Council plans purchase of 1,055 acres and improving, $2,000,000.

Building, San Francisco, Calif., Treas. Dept., Washington, D. C., having preliminary plans prepared, $2,000,000.

Hospital, Soldiers Home, Calif., Treas. Dept. Washington, D. C., having plans prepared, $1,500,000.

Bids Wanted On Big Jobs

Theatre and Store, Chicago, Ill., J. Eberson, archt., soon takes bids, $3,000,000.

Hotel, San Francisco, Calif., Weeks & Day, archts., soon takes bids, $2,500,000.

Chapel, Princeton, N. J., Princeton University taking bids, $1,500,000.

Club and store, Chicago, Ill., Michaelson & Rognstod, archts., soon takes bids, $1,500,000.

Apartment, Chicago, Ill., Nov. 1 by R. S. De Golyer & Co., archts., $1,500,000.

Store, Youngstown, O., Dec. 1, Strouss-Hirshburg, $1,500,000.

Office and store, Oakland, Calif., M. I. Diggs soon takes bids, $1,000,000.

Large Contracts Let During Week

Subway, New York, N. Y., Bd. Transportation to C. H. Locher, $7,666,222.

Reclamation work, Belmont, Calif., San Francisco Bay Terminals Co. to United Dredging Co., $5,000,000.

Hotel, Oakland, Calif., United Income Properties Co. to L. J. Cohn, $2,000,000.

Apartment, Chicago, Ill., S. Cole, et al., to Longacre Eng. & Constr. Co., $2,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Oct. 23	Long Island City, N. Y.	Oct. 15
Oct. 23	New York, N. Y.	Oct. 15
Oct. 23	Brooklyn, N. Y.	Oct. 15
Oct. 24	Wickliffe, O.	Oct. 22
Oct. 26	Glen Gardner, N. J.	Oct. 8
Oct. 27	Maitland, Fla.	Oct. 1
Oct. 27	Spindale, N. C.	Oct. 8
Oct. 27	Piedmont, Mo.	Oct. 8
Oct. 28	Ft. Pierce, Fla.	Oct. 8
Oct. 28	Cleveland, O.	Oct. 22
Oct. 29	Malden, Mo.	Oct. 8
Oct. 29	Ashton, Neb.	Oct. 22
Oct. 29	Detroit, Mich.	Oct. 22
Oct. 30	Staunton, Ill.	Oct. 22
Oct. 30	Milwaukee, Wis.	Oct. 22
Nov. 2	Paso Robles, Calif.	Oct. 22
Nov. 2	Alliance, O. Adv. Oct. 22.	Oct. 22
Nov. 3	Louisville, Miss.	Oct. 22
Nov. 3	Cleveland, Miss.	Oct. 22
	SEWERS	
Oct. 23	Buffalo, N. Y.	Sept. 24
Oct. 23	Buffalo, N. Y.	Oct. 1
Oct. 23	Glen Cove, N. Y.	Oct. 15
Oct. 23	New Haven, Conn.	Oct. 22
Oct. 27	Jersey City, N. J. Adv. Oct. 15 and 22.	Oct. 15
Oct. 27	Phila., Pa.	Oct. 22
Oct. 28	Cleveland, O.	Oct. 1
Oct. 28	Willow (Mail South Park), O.	Oct. 1
Oct. 28	Brooklyn, N. Y.	Oct. 22
Oct. 28	Cleveland, O.	Oct. 22
Oct. 29	New York, N. Y.	Oct. 22
Nov. 2	Wauchula, Fla.	Oct. 8
Nov. 9	North Brunswick, N. J. Adv. Oct. 22.	Oct. 22
Nov. 16	Hamilton, Ont.	Oct. 15
Nov. 16	Little Falls, N. J.	Oct. 22
Nov. 17	St. Louis, Mo.	Oct. 22
Dec. 2	New Orleans, La. Adv. Oct. 8 to 22.	Oct. 8
	BRIDGES	
Oct. 27	Miami, Fla.	Oct. 1
Oct. 30	Missouri	Oct. 22
Oct. 30	Bossier, La.	Oct. 22
Nov. 2	Jersey City, N. J. Adv. Oct. 15 and 22.	Oct. 15
Nov. 3	Oklahoma	Oct. 22
Nov. 5	Paola, Kan.	Oct. 15
Nov. 9	Kingman, Kan.	Oct. 15
Nov. 9	Cliff, Ky.	Oct. 22
Nov. 17	Wellington, New Zealand	Sept. 17
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR	
Oct. 23	Manitoba	Oct. 22
Oct. 26	Chandler, Okla.	Oct. 15
Oct. 26	New York, N. Y.	Oct. 22
Oct. 27	Long Island City, N. Y.	Oct. 22
Oct. 27	New York, N. Y.	Oct. 22
Oct. 27	St. Charles, Mo.	Oct. 22
Nov. 3	Terra Bella, Calif.	Oct. 22
Nov. 24	Louisiana Adv. Oct. 15 and 22.	Oct. 15
Dec. 15	Mobile, Ala.	Oct. 22
Jan. 1	Brownsville, Tex.	Oct. 1
	STREETS AND ROADS	
Oct. 23	Long Island City, N. Y.	Oct. 15
Oct. 25	Birmingham, Ala.	Oct. 8
Oct. 26	Michigan	Oct. 22
Oct. 26	New York	Oct. 8
Oct. 27	South Dakota	Oct. 15
Oct. 27	Cottonwood Falls, Kan.	Oct. 1
Oct. 27	Peekskill, N. Y. Adv. Oct. 8 to 22.	Oct. 8
Oct. 27	Tuckerton, N. J. Adv. Oct. 22.	Oct. 22
Oct. 27	South Dakota	Oct. 22
Oct. 27	Long Island City, N. Y.	Oct. 22
Oct. 27	Oregon	Oct. 22
Oct. 28	Ft. Pierce, Fla. Adv. Oct. 22.	Oct. 22
Oct. 28	Pittsburgh, Pa.	Oct. 22
Oct. 28	Harrison, Ark.	Oct. 22
Oct. 28	Brooklyn, N. Y.	Oct. 22
Oct. 29	Key West, Fla. Adv. Oct. 1 to 22.	Oct. 1
Oct. 29	Michigan	Oct. 22
Oct. 29	Santa Cruz, Calif.	Oct. 22
Oct. 29	Baton Rouge, La.	Oct. 22
Oct. 30	Missouri	Oct. 22
Oct. 30	Pennsylvania Adv. Oct. 8 and 22.	Oct. 8
Oct. 30	Guthrie, Okla.	Oct. 22
Oct. 31	Cartersville, Ga.	Oct. 22
Nov. 2	California	Oct. 22
Nov. 2	Redwood City, Calif.	Oct. 22
Nov. 2	San Diego, Calif.	Oct. 22
Nov. 3	Louisiana	Oct. 15
Nov 3	North Dakota	Oct. 22
Nov. 3	Oklahoma	Oct. 22
Nov. 3	Gulfport, Miss.	Oct. 22
Nov. 4	Freehold, N. J. Adv. Oct. 22.	Oct. 22
Nov. 4	Bronxville, N. Y. Adv. Oct. 22.	Oct. 22
Nov. 5	Paola, Kan.	Oct. 15
Nov. 6	Kansas City, Kan.	Oct. 15
Nov. 6	New York, N. Y. Adv. Oct. 22.	Oct. 22
Nov. 9	Kentucky	Oct. 22
Nov. 9	California	Oct. 22
Nov. 9	Kingman, Kan.	Oct. 22
Nov. 10	Louisiana	Oct. 1
Nov. 10	St. Louis, Mo.	Oct. 22
Nov. 12	Florida Adv. Oct. 22.	Oct. 22
Nov. 13	Garden City, Kan.	Oct. 22
Nov. 15	Madison, Ind.	Oct. 8
Nov. 16	Sanford, Fla. Adv. Oct. 22.	Oct. 22
Nov. 24	Louisiana	Oct. 8
	BUILDINGS—INDUSTRIAL	
Oct. 26	Camden, N. J.	Oct. 22
Oct. 30	Detroit, Mich.	Oct. 22
	BUILDINGS—COMMERCIAL	
Oct. 25	Chicago, Ill.	Oct. 15
Oct. 26	St. Paul, Minn.	Oct. 15
Oct. 26	New York, N. Y.	Oct. 22
Oct. 26	Camden, N. J.	Oct. 22
Oct. 28	Phila., Pa.	Oct. 22
Oct. 28	Baltimore, Md.	Oct. 22
Oct. 30	Stellacoom, Wash.	Oct. 22
Oct. 31	Russellville, Ark.	Oct. 22
Nov. 1	Chicago, Ill.	Oct. 22
Nov. 2	Wash., D. C.	Oct. 22
Nov. 4	Webster City, Ia.	Oct. 1
Nov. 9	Knoxville, Tenn.	Oct. 22
Nov. 15	Aurora, Ill.	Aug. 27
Dec. 1	Youngstown, N. Y.	Oct. 22
	BUILDINGS—EDUCATIONAL, RELIGIOUS	
Oct. 23	London, Ont.	Oct. 15
Oct. 26	West Haven (Br. New Haven), Conn.	Oct. 15
Oct. 26	College Park, Md.	Oct. 22
Oct. 27	Blackwood, N. J.	Oct. 22
Oct. 28	Marshalltown, Ia.	Oct. 8
Oct. 28	Lawrence, Kan.	Oct. 8
Oct. 28	Los Angeles, Calif.	Oct. 22
Oct. 29	Flat Rock, Mich.	Oct. 22
Oct. 31	Detroit, Mich.	Oct. 22
Nov. 5	Memphis, Tenn.	Oct. 22
Nov. 5	Woodhaven (Br. Jamaica), N. Y.	Oct. 22
Nov. 6	San Antonio, Tex.	Oct. 22
Nov. 16	Birmingham, Ala.	Oct. 22
Dec. 1	Duluth, Minn.	Oct. 1
	FEDERAL GOVERNMENT WORK	
Oct. 23	Derrick Boat—Jacksonville, Fla. Adv. Oct. 1 to 22.	Oct. 1
Oct. 26	Gates—Louisville, Ky. Adv. Oct. 1 to 22.	Oct. 1

Bids Close		See Eng. News-Record
Oct. 27	Turbines—Washington, D. C.	Oct. 1
	Adv. Oct. 1 to 22.	
Oct. 27	Laundry Equipment—Memphis, Tenn.	Oct. 15
Oct. 27	File Boxes — Wash., D. C.	Oct. 15
Oct. 27	Bridge—New Mexico	Oct. 22
Oct. 27	Lighting Plant — New Orleans, La.	Oct. 22
Oct. 28	Repairing Dredge—Galveston, Tex.	Oct. 1
	Adv. Oct. 1 to 22.	
Oct. 28	Storehouse-Puget Sound, Wash.	Oct. 8
Oct. 29	Rehabilitating — Boston, Mass.	Oct. 8
Oct. 29	Breakwater—Chicago, Ill.	Oct. 15
	Adv. Oct. 15 and 22.	
Oct. 30	Floors—Florence, Ala.	Oct. 22
Nov. 4	Paving—San Diego, Calif.	Oct. 8
Nov. 5	Hull—Wilmington, Del.	Oct. 8
	Adv. Oct. 8 to 22.	
Nov. 5	Post Office—Montclair, N. J.	Oct. 15
	Adv. Oct. 15 and 22.	
Nov. 9	Metal Gates—Florence, Ala.	Oct. 15
	Adv. Oct. 15 and 22.	
Nov. 9	Hospital—Stapleton (Staten Island P. O.), N. Y.	Oct. 15
Nov. 12	Dredging — Rio Vista, Calif.	Oct. 22
Nov. 12	Post Office—Fulton, N. Y.	Oct. 22
	Adv. Oct. 22.	
Nov. 14	Dwelling—Mayport, Fla.	Oct. 22
Nov. 16	Power Plant—Yuma, Ariz.	Oct. 15
Nov. 16	Derrick Boat—Milwaukee, Wis.	Oct. 15
	Adv. Oct. 15 and 22.	

UNCLASSIFIED

Oct. 27	Steel Ferry Boats—Boston, Mass.	Oct. 1
Dec. 8	Steel Supports—Wellington, New Zealand	Oct. 1

MATERIALS

Oct. 23	Steel Castings—New York, N. Y.	Oct. 15
Oct. 23	Broken Stone—Long Island City, N. Y.	Oct. 15
Nov. 4	Piling, etc.—Grand Forks, N. D.	Oct. 22
Nov. 9	Wire—Wellington—New Zealand	Sept. 17
Nov. 9	Cable—Melbourne, Australia	Aug. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Fla., Dade City—Voted $80,000 bonds, extending waterworks. L. R. Douglas, city clk.

N. C., Shelby — Plans to sell $200,000 bonds Oct. 21, enlarging water plant.

Miss., Biloxi—See "Streets and Roads."

Miss., Hazelhurst—Voted $80,000 bonds, waterworks and sewer improvements, incl. 5 mi. additional water mains, etc. $20,000 bonds, paving various roads, and $140,000 bonds for schools.

Tenn., Nashville—Bd. Pub. Wks., retained J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., to prepare plans and specifications waterworks improvements, incl. mains, filtration plant, reservoir, etc. $3,000,000.

O., Cleveland—See "Streets and Roads."

Ill., Greenville—Soon takes bids pumping equipment, distribution mains, etc. Drilling 2 deep wells, to A. Benjamin, 1101 Missouri Ave., East St. Louis, $6,870. Noted June 30.

Kan., Rossville—Defeated $39,000 bonds for waterworks. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted Oct. 1.

Kan., Toronto—Making preliminary plans complete waterworks and distribution system, also sanitary sewers, etc. in various streets. $70,000. F. E. Devlin, 614 Bitting Bldg., Wichita, engr.

Tex., Bryan—Voted $25,000 bonds waterworks improvements, incl. tank and tower, etc. J. B. Miller, Bryan, mayor. Noted Sept. 10.

Tex., Mt. Pleasant — Soon takes bids waterworks improvements. $50,000. J. V. Moore, mayor.

Okla., Dawson—Election Oct. 20, $35,000 bonds new waterworks, securing water from Spavinaw Conduit, at Mohawk. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Calif., Mount Shasta (mail Weed) — Made plans 400,000 gal. concrete, steel or wood tank, and 10 in. pipe line. $27,500 available. H. B. Ream, city engr.

BIDS DESIRED

Fla., Lake Worth—Palm Lake Corp. taking bids 100,000 gal. elevated tank, etc. G. Kingsley, Lake Worth, ch. engr.

Miss., Cleveland—Nov. 3, by Mayor and Bd. Aldermen, centrifugal ball bearing pump, 600 gal. capacity per minute against 125 head, directly connected to 30 hp. ball bearing electric motor, 2,200 volts, etc. L. M. Guynes, Cleveland, city clk.

Miss., Louisville—Nov. 3, by Mayor and Bd. Aldermen, 1 story, 18 x 30 ft., brick pump house, and 500,000 gal. rein.-con. reservoir. F. A. Livingston, Louisville, engr.

La., Kenner — Oct. 26, by City, new waterworks improvements, incl. 2 oil pumping units, 45,400 ft., 2- to 8-in. c.i. pipe, 100,000 gal. tank on tower, and 300,000 gal. rein.-con. covered reservoir. H. A. Mentz, Hammond, engr.

O., Alliance—Nov. 2, by F. D. Miller, dir. Pub. Serv., West End High Pressure Main, incl. 10,944 ft. 4- to 24-in. c.i. mains, etc. H. E. Anderson, city engr.; adv. E. N.-R. Oct. 22

O., Cleveland — Oct. 28, by Bd. Comrs. Cuyahoga Co., 4,560 ft. 6 and 8 in. c.i. mains in Lotus and East 142nd Sts., to exceed $15,000; and 6,100 ft. 6 and 8 in. c.i. mains in East 154th St., south of Miles Ave., to exceed $25,000. F. Williams, Court House, engr.

O., Wickliffe—Oct. 24, by Village, 4 mi. 6 and 8 in. c.i. mains in various streets. $75,000. Sterling Eng. Co., 7016 Euclid Ave., Cleveland, engrs.

Mich., Detroit — Oct. 29, by Dept. Purchases & Supplies, Marquette Bldg., 500 double nozzle Detroit fire hydrants, and five hundred 6 in. gate valves, for Fire Dept.

Ill., Staunton — Oct. 30, by City Clerk, earth dam, concrete spillway, core wall, bridge intake, 4,000 sq.yd. brick paving on dam, 8,000 ft. 12 in. c.i. pipe, two 500,000 gal. unit filter plant, steam heating plant, 200,000 gal. concrete reservoir, 100,000 gal. tank on tower, two 700 g.p.m. 100 ft., one 500 g.p.m. 40 ft. one 500 g.p.m. 125 ft. and one 1,000 g.p.m. 125 ft. head wet ft. head motor driven pumps, also 2 mi. transmission line and 2 mi. telephone lines, etc. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engrs. Noted Oct. 15.

Wis., Milwaukee—Oct. 30, by Central Bd. Purchases, City Hall, 12 tons special castings.

Neb., Ashton—Oct. 29, by G. L. Polski, village clk., waterworks system, incl. 35,000 gal. tank on 100 ft. tower to balcony (alternate A) 40,000 gal. or (alternate B) 50,000 gal. tank on 100 ft. tower to balcony; 6,804 ft. 4- to 8-in. Class B, McWane precalked joint, or Delavaud Class "150" c.i. pipe, etc. $19,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Ark., North Little Rock (Ind. br. of Little Rock)—See "Contracts Awarded."

Calif., Paso Robles — Nov. 2, by City Council, waterworks, incl. septic tank, outfall and connecting sewer lines, 3 m.g. concrete reservoir, and 6,000 lin.ft. 10 in. c.i. pipe. $30,000 available. W. W. Hughes, city engr.

BIDS RECEIVED

N. Y., Brooklyn — N. J Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Oct. 13, mains, etc. in Battery, Miller, 8th and 23rd Aves., Q. S, Coleman, Hendrickson and Kimball Sts., here, from Grippo Contg. Co., 85 Webster Ave., Long Island City, $20,900. Noted Oct. 8.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., New York City, Oct. 13, mains, etc, in 38th Ave. and 11th St., here, from Stanby Constr. Co., Steinway Ave., $29,365. Noted Oct. 8.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc. in Dongan Pl., Bennet, 5th, 1st, Lenox, Madison and 7th Aves., Leak, Croton, West 139th, 165th and 215th Sts., from Beaver Eng. & Contg. Co., 57 Chambers St., $28,131. Noted Oct. 8.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Oct. 16, mains, etc. in Bay and Canal Sts., St. Pauls and Midland Aves., etc., here, from G. V. Cornell, Rosebank, S. I., (unofficial) $60,032. Noted Oct. 8.

Pa., Phila.—Bd. Pub. Wks., Bureau of Water, Oct. 13, Oakland Pumping Station, 1 story and basement, 32 x 36 ft., brick and steel, Chelton Ave. and 5th St., Contr. 775, from Kober Constr. Co., 34 South 17th St., $19,676; 3 motor driven centrifugal pumps for Oak Lane Booster Station, Constr. 776, from Acme Machine Co., 318 North 17th St. $16,834, piping, for same from Dravo Doyle Co., Schaff Bldg., $12,760; and intake at Torresdale Pumping Station, 4,000 cu.yd. earth and 50 cu.yd. rock excav., 345 ft. 7 in. concrete pipe, 400 cu.yd. concrete, 40,000 lb. iron and steel fixtures, etc., Contr. 778, from Leeds & Derham, 6320 Wissahickon Ave., $44,088. Noted Oct. 8.

Wis., Milwaukee—Dept. Pub. Wks., Oct. 7, 6- to 16-in. c.i. mains in various streets. Notice 190, from H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, $18,626; Notice 191, from Kehrein Bros., 1304 11th St., $22,170. City furnishes pipe.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J .Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Hampton Ave., here, to Knight & DeMicco, 448 East Tremont Ave., New York City, $32,325. Noted Oct. 15.

Md., Baltimore—Bd. Awards, c.i. pipe and fittings, to Warren Fdry. & Pipe Co., Phillipsburg, N. J., for Bureau Water Supply, $177,085. Noted Oct. 1.

O., Columbus—Comrs. Franklin Co., 6,700 ft. 6 and 8 in. c.i. mains in Sewer Dist. Mifflin 1, Contr. 64, to B. Canini, 1705 Shawnee Ave., $12,600. Noted Sept. 24.

O., Medina—See "Sewers."

Mich., Detroit — Bd. Water Comrs., 176 East Jefferson Ave., 21,030 lin.ft. 44 in. lap riveted steel water mains in Fenkell Ave., to B. Hayes, Inc., 907 Majestic Bldg., $362,122. Noted Sept. 24.

Ill., Greenville—See "Proposed Work."

Ill., Mundelein — Waterworks extensions in various streets, to R. G. Tripp Constr. Co., Herington, Kan., $48,640.

Ill., South Pekin—City, pumping station and equipment, to Layne-Bowler Co., 37 West Van Buren St., Chicago, $6,900, steel tank and tower, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, $6,310.

Minn., Alexandria—H. S. Campbell, city clk., 1,750 ft. 16 in. c.i. and riveted iron pipe line from municipal power plant to Lake Agnes, to Fort Dodge Boiler Wks., Fort Dodge, Ia., $14,075. Noted Sept. 24.

Minn., Austin—D. C. Todd, secy. Water, Electric Light, Gas & Power Comn., concrete wall and slab roof for city springs (water supply source), to Larson Constr. Co., Albert Lee, $17,900. Noted Sept. 10.

Minn., Robbinsdale—S. F. Wilson, city mgr., 1 water service tapping machine, two hundred-forty ¾ in. and twelve 1 in. corporation stops, etc., to Central Supply Co., 312 South 3rd St., Minneapolis; rejected bids for 249 each stop boxes and meters. Noted Oct. 1.

Kan., Axtell—City, 2 pump houses and laying pipe, to R. Hybaskmann, Seneca; 2 wells, to Wellworks Mfg. Co., Garden City; tank on tower, to Chicago Bridge & Iron Wks., 608 South Dearborn St., Chicago, Ill.; 8,590 ft. 2- to 8-in. c.i. pipe, to Amer. Cast Iron Pipe Co., 716 Scarritt Bldg., Kansas City, Mo.; 21 valves and 36 hydrants, to Ludlow Valve Mfg. Co., 1416 R. A. Long Bldg., Kansas City, Mo.; pumps to Worthing Pump & Mchy. Co., 825 Scarritt Bldg., Kansas City, Mo.

Kan., Concordia—Waterworks extensions, to P. S. Judy, 4232 St. Johns St., Kansas City, Mo., $89,805. Noted Aug. 6.

Kan., Wathena—Waterworks and distribution system, incl. mains, hydrants, tank on tower, etc., to F. Schofner, Atchinson, $38,952. Noted Oct. 8.

Neb., Norfolk — For 200,000 gal. storage tank, to Norfolk Bridge & Constr. Co., Norfolk, $5,000.

Neb., Wilber—For 9,870 ft. 4 and 6 in. c.i. mains in Dist. 1 and 5,240 ft. 4 and 6 in. in Dist. 2, to Chambers Constr. Co., Lincoln, $19,890.

Neb., Yutan—Martin & Heyn, 744 Omaha Natl. Bank Bldg., Omaha, 33,300 ft. 2- to 8-in. c.i. mains, etc. in various streets in city of Venice (2 mi. west of here), to C. Robeck, 408 Securities Bldg., Omaha, $32,000.

Ark., North Little Rock (Ind. br. of Little Rock)—J. Matthews Co., 121 West 2nd St., Little Rock, will build waterworks, incl. several miles pipe, deep well, tank on tower, sewers, electric light line, etc., by day labor. $150,000. Private plans.

Waterworks (Continued)

Tex., Amherst — Waterworks improvements, incl. 2 wells, mains, pumps, etc., to Gnatt-Baker Co., 1116 West Main St., Oklahoma City, Okla., $45,600.

Wash., Seattle—Bd. Pub. Wks., mains in Hinds St., to Interstate Constr. Co., 1713 22nd St. S., $151,498. Engrs. est. $160,881. Noted Oct. 1.

B. C., Vancouver — City Council, 1,800 tons c.i. pipe, to Gordon & Belyea, 157 Alexander St., $107,065.

Sewers

PROPOSED WORK

Fla., Dade City—Voted $35,000 bonds, extending sewerage system. L. R. Douglas, city clk.

Miss., Hazelhurst—See "Waterworks."

La., De Ridder—Making plans sanitary sewerage system. $40,000 or more bond election soon. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, engr.

Ky., Louisville—Commissioners of Sewerage, Board of Trade Bldg., M. H. Crawford, chn., preparing plans Central Relief Drain Extension. J. B. F. Reed, ch. engr.; adv. E. N.-R. Oct. 22.

O., Cleveland—See "Streets and Roads."

Ill., Vandalia—Soon takes bids 18,000 ft. 8 and 12 in. vitr. clay pipe, sceptic tank, etc. in Sewer Dist. 3. $30,000. Beard Eng. Co., Manchester Ave., Maplewood, Mo., engrs.

Kan., Rossville—Defeated $30,000 bonds, sanitary sewers in various streets. Noted Oct. 1.

Kan., Toronto—See "Waterworks."

Mo., Macon—Voted $20,000 bonds, sewage disposal plant. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Mo., Rolla — Defeated $32,000 bonds, sewer extensions and disposal plant. Noted June 18.

Tex., San Antonio — Election Nov. 17, $50,000 bonds storm and sanitary sewers in various streets. I. Ewig, City Hall, engr.

Okla., Edmond—Defeated $36,000 bonds, outfall sewers and disposal plant. Peckham & James, 227 West Grand St., Oklahoma City, engrs. Noted Aug. 20.

Colo., Denver—Soon takes bids Barnum Special Sanitary Sewer. $300,000. A. K. Vickery, city engr.

Calif., Sunnyvale—Voted $25,000 bonds extending sewers in various streets. C. C. Kennedy, Call Bldg., San Francisco, engr.

Ont., Toronto — York Twp. soon takes bids sanitary, storm and trunk sewers in 2,000 ft. Beresford Ave., 2,100 ft. Ourie St. and 800 ft. St. Johns Rd., $32,772; also 8- to 10-in. vitr. tile sewers in 900 ft. French Ave., 350 ft. Thornton Ave., 850 ft. Duffern St., 1,070 ft. Willard Ave., 750 ft. Hanley Ave., 380 ft. Winfield Ave., and 750 ft. Priscilla Ave., $28,200. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

Conn., New Haven—Oct. 23, by City, City Hall, sanitary and storm sewers, etc., in Alden Ave. from Chapel St. to Cleveland Rd., McKinley Ave. from Chapel St. to Fountain St., Alston Ave. from Chapel St. to Edgewood Ave. E. S. Nettleton, city engr.

N. Y., Brooklyn—Oct. 28, by J. A. Guider, boro pres., Boro Hall, storm water sewer in Canal Ave.; combined and sanitary sewers in Stillwell Ave., 82nd and East 12th Sts.; sewers in Kings Highway, Avenue K East 55th, East 62nd, East 9th, East 57th, 70th, 81st, West 10th and 93rd Sts., Mansfield and Caton Pls. and 11th Ave.

N. J., Little Falls — Nov., 16, by Twp. Com., extending sewerage system. $30,000. H. J. Harder, 129 Market St., Paterson, engr.

N. J., North Brunswick—Nov. 9, by Com. North Brunswick Twp., E. Applegate, chn., at Parsons School, on Mill Lane, sanitary sewerage system. R. P. Wilson, 46 Paterson St., New Brunswick, civil engr.; adv. E. N.-R. Oct. 22.

Pa., Phila.—Oct. 27, by Dept. Pub. Wks., Bureau of Engineering, removing old and constructing new sewer in Courtland St. between point 161 ft. west of 11th St. and point 30 ft. east of 12th St.; and Wingohocking sewer in Ramona Ave. between Cayuga and I Sts., also in private property to Frankford Creek. $80,000 available.

Fla., Port Pierce — See "Streets and Roads."

O., Cleveland—Oct. 28, by Cuyahoga Co., 1010 ft. 4 in. brick, segment or concrete sewers in S. O. M. Center Rd. To exceed $25,000. F. Williams, Court House, engr.

Mo., St. Louis — Nov. 17, by Bd. Pub. Serv., 3 main sewer projects which may be divided into 3 or 6 contracts. $1,000,000; adv. E. N.-R. Oct. 22.

BIDS RECEIVED

Conn., Hamden (br. of New Haven)—For 3½ mi. sewers in Whitneyville Dist., from A. DeMarco, 61 East Main St., Plainville, tile $39,271, concrete $39,942.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, Oct. 16, combined sewers in Flatlands Ave. and East 94th St., etc., from Carozzo Road Constr. Co., 22 Germania Pl., $543,076. Noted Oct. 8.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., from J. Gallo, 203 Division St., Brooklyn, sewers, etc., in Pierce Ave. $1,222; Linn St. (a) $59,407 (b) $50,504; also from Paino Marino, 32 Court St., Brooklyn, in Woodside Ave., (a) $43,867 (b) $39,747. Noted Oct. 8.

O., Cleveland — City, Oct. 7, 3,525 ft. 3 and 4 ft. sewer in Broadview Rd. from Tampa to Oak Park Aves., from Hadded & Karial Constr. Co., 415 Eagle Ave., brick $26,758, segmental block $25,661, concrete $22,079. Noted Oct. 1.

O., Medina — Medina Co., Oct. 5, sewers and watermains in Briarwood Beach, Chippewa Lake, from Lodi Concrete Co., Lodi, $51,587. Engrs. est. $60,000. Noted Oct. 1.

Ill., Wheaton—Wheaton Sanitary Dist., for North Side Intercepting Sewer, 2.5 mi. 18 and 24 in. tile sewer, from H. Rees, Quincy, $51,576. Noted Oct. 8.

Wis., Kenosha—For 4,490 ft. 24- to 42-in. rein.-con. sewers in various streets, from P. Francken, 1126 Selleck Ave., $46,984.

CONTRACTS AWARDED

Conn., Hamden (br. of New Haven) — For 3,000 lin.ft. 8 in. tile and 3,500 lin.ft. 12 in. sewer, in Dixwell Ave., to Zilly & Angelone, 17 Center Pl., Southington. Engrs. est. $25,000. Noted Oct. 1.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary trunk sewer, etc., in Amsterl Ave. from Beach 62nd St. to Far Rockaway Blvd., etc., to Necaro Co., 97 Court St., Brooklyn, $992,268. Noted Oct. 15.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, branch sewers in 75th St. between Buist and Wheeler Aves., to Sarco Contg. Co., 310 North 65th St., $14,083; and both sides of Elmwood Ave. between Island Rd. and 75th St., to W. McIntyre, 6811 North Franklin St., $16,920. Noted Oct. 8.

Md., Baltimore—Bd. Awards constructing Run Interceptor Sect. 3, in sewer Dist. H-13, Sanitary Contr. 226, to N. Martell, 417 South Eden St., Baltimore, $54,510. Noted Oct. 15.

Va., Danville—See "Buildings—Commercial."

O., Berea — For 15,500 ft. 6- to 15-in. sanitary sewer and 16,400 ft. 12- to 48-in. storm drain, etc., in district north of Bagley Rd., to Langahan Constr. Co., Marshall Bldg., Cleveland, $150,000. Noted Sept. 24.

O., Cincinnati—Director Pub. Serv., 1,675 ft. 51- to 78-in. brick sewer in Observatory Rd., to Connelly Bros., 2nd Natl. Bank, $52,965. Engrs. est. $59,100. Noted Oct. 15.

Ill., Libertyville — See "Streets and Roads."

Ill., Vandalia—Sewers in Dist. 2, 13,938 cu.yd. excav., 31,120 ft. 8- to 18-in. pipe, 32,000 lb. c.i. in manholes, etc., to Anno & Nohl, Havana, $39,456. Engrs. est. $49,000. Noted April 30.

Wis., Antigo — Bd. Pub. Wks., G. O. Palmiter, city clk., 13,806 ft. 10- to 42-in. sewers, 61 manholes and 63 catchbasins, in various streets for Unit A, etc., to E. T. Webster, 1463 Goodrich Ave., St. Paul, Minn., $48,536; and portion of 2,427 ft. 10- to 36-in. sewers, 11 manholes, etc., for Unit B, to J. Conacher & Son, $12,182. Noted Oct. 15.

Wis., Beloit—For (a) sanitary and (b) storm sewers in various streets, to C. Axelson, Clear Lake, Ia., (a) $17,295 and (b) $22,690.

Wis., Milwaukee—Dept. Pub. Wks., to P. & L. Co., 1107 Humboldt Ave., concrete and vitr. sewers in Cedar St. $1,476, 58th St. $2,110, Locust St. $1,548, and Meinecke Ave. $1,124; to G. E. Zimmermann, 3402 Grand Ave., Burleigh St. $82,079, and Center St. $4,169; to Wenzel & Henoch Co., 498 27th St., Leeds Pl. $4,169; also to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., Weil St. $686. Grand total $97,361.

Ia., Des Moines—City Clerk, 19,787 ft. 12- to 24-in. vitr. clay sewers, 39 standard manholes, one 3 unit pumping station, etc. in Beaver Avenue Sewerage System, to O. P. Herrick, 3500 6th Ave., $76,000. Noted Sept. 3.

Mo., Kansas City—Sewers in Joint Dists. 317, 318 and 319, Div. 5, to Halpin, Boyle Constr. Co., 709 Ry. Exch. Bldg., $30,397.

Mo., University (Ind. branch of St. Louis)—City Clerk, several miles 6- to 21-in. sanitary sewers, etc. North and South Joint Sewer Dist., to F. C. Stolle Constr. Co., Buder Bldg., St. Louis, $27,089. Noted Oct. 1.

Ark., North Little Rock (Ind. br. of Little Rock)—See "Waterworks."

Ark., Siloam Springs — See "Streets and Roads."

Tex., Schulenburg—Sewerage system, to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio, $25,633; disposal plant, to W. L. Weinan, Fort Worth, $9,945. Noted Sept. 10.

Okla., Collinsville—For 17,000 ft. 15 in. vitr. clay outfall sewers to sewage disposal plant, to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $26,489. Engrs. est. $25,000.

Calif., Huntington Park — Vitr. lateral sewerage system, to J. Chutuk, Wilcox Bldg., Los Angeles, $143,295. Noted Oct. 15.

Calif., Los Angeles — See "Streets and Roads."

Calif., San Carlos — For 6- to 12-in. vitr. sewers in various streets, to H. E. Conner, 705 East Lindsay St., Stockton, $25,122.

Waste Disposal

PROPOSED WORK

La., New Orleans—Comn. Council plans complete garbage collection and disposal system, incl. acquisition 4 incinerators with equipment, etc.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., refuse destructor on Betts Ave., near Laurel Hill Blvd., to Hudson City Eng. & Constr. Co., 25 Hunterspoint Ave., $295,600; plumbing, to T. E. O'Brien, 6311 5th Ave., Brooklyn, $6,172. Noted Sept. 17.

Bridges

PROPOSED WORK

Me., Bath — State Hy. Dept., Augusta, making plans steel truss double deck highway bridge over Kennebec River, here. $3,000,000. J. A. L. Waddell, 150 Bway., New York City, engr. Noted Apr. 16 under "Maine."

N. J., Camden—State Hy. Dept., Trenton, making plans bascule bridge, here. $400,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

North Carolina and South Carolina — Southern Pacific Ry., 1300 Penn Ave., Wash., D. C., B. Herman, ch. engr., plans 6 heavy bridges to replace lighter ones in North Carolina and South Carolina, one of bridges to be 625 ft. long over Yadkin River, near Idols between Winston-Salem and Charlotte, N. C.

North Carolina — State Hy. Comn., Raleigh, plans 2 bascule spans 3,900 ft. bridge over Bogue Sound, between Beaufort and Morehead City, Carteret Co.; bridge over Catawba River, between Catawba and Alexander Counties, Federal Aid Project 627, Alexander Co., $100,000; and 8,300 ft. concrete pile substructure and creosoted superstructure for 8,300 ft. bridge with 200 ft. steel draw span over lower Chowan River, Federal Aid Project 109 B, Bertie Co. C. M. Upham, Raleigh, engr.

Fla., Tampa—Making plans bridge over Hillsborough River, on Michigan Ave. $312,000. R. D. Martin, City Hall, engr.

Tex., Albany—See "Streets and Roads."

Tex., Breckenridge — See "Streets and Roads."

Tex., Clarksville — See "Streets and Roads."

Tex., Graham—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Tex., Georgetown — See "Streets and Roads."

Tex., Houston—See "Streets and Roads."

Bridges (Continued)

Tex., La Grange — See "Streets and Roads."

Tex., Lubbock—See "Streets and Roads."

Tex., San Angelo — See "Streets and Roads."

Tex., San Antonio — Election Nov. 17, $100,000 bonds rein.-con. and steel bridge, on Grand Ave., 7th and Market Sts. I. Ewig, City Hall, city engr. Noted Sept. 10.

Tex., Sweetwater — See "Streets and Roads."

Okla., Cherokee — Alfalfa Co. rejected bids Bridge 262, 60 ft. steel and concrete, Bridge 263, 40 ft. steel and concrete, Bridge 264, 30 ft. steel and concrete, and Bridge 266, 24 ft. steel and concrete, all 18 ft. wide. Will readvertise. E. Stout, co. clk.

BIDS DESIRED

Fla., Sanford—See "Streets and Roads."

La., Bossier—Oct. 30, by A. W. Prince, secy. Bd. Comrs. Gravity D. D. 1, Bossier Parish, for bridge, 1,200 lin.ft .treated piling, 26,500 lb. structural steel, 4,260 lb. reinforcing, etc. A. B. Purnell, 336 1st Natl. Bank Bldg., Shreveport, engr.

Ky., Cliff—Nov. 9, by State Hy. Dept., Frankfort, three 199 ft. and one 70 ft. steel span bridge on rein.-con. piers and abutments, on Federal Aid Project 133-B, here, Floyd Co. Separate bids on superstructure and substructure. E. N. Todd, highway engr.

Kan., Kingman — See "Streets and Roads."

Neb., Omaha — Union Pacific R.R. Co., and Union Stock Yards Co., 1416 Dodge St., taking bids and open same about Oct. 27, replacing old timber and steel bridge with 2,400 ft. steel, concrete and stone bridge, 27th and L Sts. $360,000.

Missouri—Oct. 30, by State Hy. Dept., Jefferson City, concrete and steel bridges in Madison, Laclede, Lincoln, Dunklin, Washington, Reynolds, Clark, Butler, Texas, Iron, Dent, Howard and Mississippi Counties. B. H. Piepmeier, ch. engr.

Tex., Anderson — See "Streets and Roads."

Oklahoma—Nov. 3, by State Hy. Dept., Oklahoma City, 5 span, 148 ft., bridge at Big Cabin, Craig Co., $28,000, 6 span, 134 ft., bridge at Jefferson, Grant Co., $32,000, 4 span, 122 ft. bridge at Agawam, Grady Co. $35,000, 3 span, 72 ft. bridge at Howe, Le Flore Co., $28,000, 3 span, 88 ft. bridge at Mulhall, Logan Co., $25,000, 3 span, 69 ft. bridge at Southard, Major Co., $25,000, 4 span, 102 ft. bridge at Orlando, Noble Co., $28,000, 4 span, 96 ft. bridge at Delaware, Nowata Co., $25,000, 4 span, 96 ft. bridge at Alluive, Nowata Co. $25,000, 4 span, 88 ft., bridge at Chelsea, Rogers Co., $25,000, all foregoing rein.-con. on concrete piers; 6 span, 244 ft. bridge at Yeager, Hughes Co., $58,000, 6 span, 240 ft. bridge at Welectka, Hughes Co., $65,000, 1 span, 96 ft. bridge at Caston, Le Flore Co., $28,-800, 4 span, 330 ft. bridge at Wister, Le Flore Co., $45,000, 3 span, 156 ft. bridge at Red Rock, Noble Co., $37,000, 2 span, 120 ft. bridge at Oolagah, Nowata Co., $37,500, 3 span, 160 ft. bridge with 200 ft. pile trestle, at Antlers, Pushmataha Co., $65,000, all foregoing steel truss on concrete piers. J. M. Page, highway engr.

BIDS RECEIVED

R. I., West Warwick (mail Warwick)—State Bd. Pub. Rds., Providence, Oct. 7, Bridge 28, 80 ft. span, rein.-con. arch, known as Centerville Bridge, here, from L. E. McLaughlin, Inc., 220 Jefferson Ave., New London, Conn., $43,500.

Arkansas—See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Southwick—Dept. Pub. Wks., Boston, concrete bridge on section highway, here, to G. H. Stebbins, North Adams $38,050.

Connecticut—J. A. MacDonald, comr. State Hy. Dept., Hartford, to Holbrook Co., Westbrook, 58 ft. span concrete bridge over Niantic River, in East Lyme and Waterford $8,800, 26 ft. concrete bridge over Niantic River, in East Lyme $17,197, 108 ft. span steel truss bridge over Shepaug River, in Washington. $17,197. Noted Sept. 24.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, 2 span, 102 ft. steel encased bridge (replacing timber bridge) over Cobbs Creek Parkway at 65th St., to M. and J. B. McHugh, 892 North Markoe St., $72,959. Noted Oct. 8.

N. C., Chimney Rock — Chimney Rock Mountains, Inc., 3 rein.-con. bridges over Broad River, Cane and Poole Creeks, to Luten Bridge Co., Mercantile Bldg., Knoxville, Tenn., $93,000.

Wis., Milwaukee — Milwaukee Electric Railway & Light Co., Pub. Serv. Bldg., 700 ft. steel viaduct with double car tracks over railroad tracks and Menomonee River, on Arnauld Ave., to Wisconsin Bridge & Iron Co., North Milwaukee.

Ia., Denison — Crawford Co., 14 bridges and culverts, on 8.8 mi. Federal Aid Project 232, Sects. A and B, to Lundgren-Reis Co., 65 College Ave., Des Moines, $24,240; 14 bridges and culverts, on same, to Jensen Constr. Co., Kimballton, $22,368.

Arkansas—State Hy. Dept., Little Rock, two 70 ft. rein.-con. spans with two 30 ft. rein.-con. girder approach spans over War Eagle Creek on Huntsville-Marble Rd., two 70 ft. rein.-con. girder arches with one 30 ft. rein.-con. girder approach span over Kings River on Marble-Kingston Rd., also two 30 ft. rein.-con. arch spans and one 30 ft. rein.-con. girder approach span over Glade Creek, on Huntsville-Springdale Rd., to Meyer & Greenwald Constr. Co., Monroe, La., $28,089; 196 ft. steel and timber bridge over Cache River near Egypt, from J. W. Covington, Benton, $5,979. This corrects report in Oct. 15 issue.

Texas—See "Railways."

Washington—State Hy. Dept., Olympia, 220 ft. steel through truss span bridge with concrete approaches, etc. over Washougal River and 15 x 20 ft. rein.-con. arch culvert 64 ft. long, for La Camas Creek crossing on State Rd. 8, Clarke Co., to Union Bridge Co., 1001 Porter Bldg., Portland, Ore., $42,098. Noted Sept. 17.

California—See "Streets and Roads."

Calif., Oakland — For 2,200 lin.ft. piling also 183 ft. rein.-con. bridge, 59 ft., and culvert, 10th St., to Frederickson & Watson, 1720 8th St., San Francisco, $0.55 per cu.yd. and $33,290 respectively.

Railways

PROPOSED WORK

Alabama—Alabama, Tennessee & Northern R.R. Co., Meaher Bldg., Mobile, J. T. Cochrane, pres., plans 52 mi. extension from Reform, Pickens Co., to Glen Allen or Bazemore, Fayette Co., and 26 mi. extension to Haleyville, Winston Co., providing direct line to Meridian and Mobile, etc., extension to latter city for purpose of affording outlet through that port for which the State of Alabama has authorized issue of $10,000,000 and of which $5,000,000 has been appropriated. W. T. Toxey, ch. engr.

Kansas and Texas — Chicago, Rock Island & Pacific R.R. Co., La Salle St. Sta., Chicago, Ill., making preliminary plans 145 mi. line from Liberal, Kan., to Amarillo, Tex. $10,000,000. C. A. Morse, ch. engr.

CONTRACTS AWARDED

Texas—Gulf Coast Line Ry., L. W. Baldwin, pres., 4931 Lindell Blvd., St. Louis, Mo., 29.3 mi. railroad between Raymondville and Edinburg, here, with 20 mi. of branch and feeder lines, grading, bridging, track laying, etc., to Walker-Elder Co., Builders Exch. Bldg., San Antonio, approximately $400,000. Noted July 2.

California—Southern Pacific R.R. Co., 65 Market St., San Francisco, 24 mi. railroad from Deetz to Grass Lake, Siskiyou Co., incl. approximately 2,200,000 cu.yd. mostly rock excav., to Utah Constr. Co., Phelan Bldg., San Francisco.

Quebec—Rouyn Mines Railway Co., c/o Canadian Natl. R.R. Co., Montreal, branch line from O'Brien to mineral fields in northwestern part of province, to Foley Bros., 209 Gilfillan Bldg., St. Paul, Minn. Noted Sept. 3.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Neb., Hershey—D. D. 1, Lincoln Co., at Office H. R. Elliott, drain comr., rejected bids Sept. 29, 19,354 ft. 10- to 24-in. tile in Dist. 1, and 5,170 ft. 12- to 18-in. tile in Dist. 2, Schedule 4. Noted Sept. 24.

Tex., Orange—Orange Co., c/o C. Bennett, judge, making surveys irrigation system. $700,000 to $1,000,000. Orange Irrigation Canal Co., Orange, engrs.

Tex., Uvalde — Uvalde Co., c/o J. M. Cavender, Savinal, and A. Kincaid, Knippa, election in November $1,700,000 bonds irrigation project, incl. 4,000 acre lake 60 ft. average depth, irrigating 40,000 acres, dams, canals, etc., near here. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

BIDS DESIRED

N. Y., Long Island City—Oct. 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., bulkheads, breakwater, groynes, jetties, etc. and filling in with sand, for public beach along Ocean front from 54th to 58th Sts.

N. Y., New York — Oct. 26, by M. Cosgrove, comr. Docks, Pier "A," foot of Battery Pl., dredging at West 47th St., North River, Contr. 1865.

N. Y., New York—Oct. 27, by M. Cosgrove, comr. Docks, Pier "A" foot of Battery Pl., construction concrete granite faced sea wall, along Hudson River, southerly of West 129th St., Contr. 1863.

Ala., Mobile—Dec. 15, by Alabama State Docks Comn., State Office Bldg., concrete apron wharf at Pier 2; W. L. Sibert, chn.; adv. E. N.-R. Oct. 22.

Mo., St. Charles — Oct. 27, by Hancock Bottom Drainage & Protective Dist. 1, at St. Charles Co. Court Room, 900 lin.ft. standard current retards 130,000 cu.yd. earth excav. and embankment in ditches, levees, etc. $80,000. C. E. Jacoby Eng. Co., 700 Interstate Bldg., Kansas City, engrs. Noted July 30.

Calif., Terra Bella — Nov. 3, by E. R. Clemens, secy. Terra Bella Irrigation Dist., 5,300 ft. 12 in. riveted steel 16 gauge water pipe wrapped in soil proof coverings. Also separate bids for trench.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro., Crotona Park, 3rd and Tremont Aves., Oct. 15, retaining wall on west side Harlem River, from Rose Bros., $44,-719. Noted Oct. 8.

La., New Orleans — New Orleans Levee Bd., New Courthouse Bldg., Oct. 14, (1st unit) sea wall project southern shore Lake Pontchartrain from West End to Seabrook, 10,000,000 cu.yd. earthwork, (a) fills in place, (b) barren pit measurement, (c) excav. pit measurement from Reynolds Dredging Co., Maison Blanche Bldg., (a) $1,680,000 (b) $1,370,000; from United Dredging Co., 323 Security Bldg., Galveston, Tex. (c) $2,000,000. Noted Sept. 17.

CONTRACTS AWARDED

Fla., Ft. Lauderdale—W. F. Morang & Son, dredging work in conncetion with development channel, 100 ft. wide, to Lake Arthur Dredging Co., Lake Arthur, La., $100,000.

Wis., Fond du Lac—City Park Bd., J. Hohensee, secy., dredging in Lakeside Park, to Williams Bros., Green Bay, $25,-000. Noted Sept. 17.

Calif., Belmont—San Francisco Bay Terminals Co., Chancery Bldg., San Francisco, reclaiming 3,500 acres for factory sites between Redwood City and here, 15,000,000 cu.yd. dredging, 2,236,000 cu.yd. rock removal, from Belmont Knoll, to United Dredging Co., 414 13th St., Oakland. Plans later 150 x 1,100 ft. wharf and warehouse, etc. Total est. approximately $5,000,000.

Manitoba—Provincial Government, Winnipeg, W. R. Clubb, minister Pub. Wks. 450,000 cu.yd. dredging in Shannon Creek, to F. Mannix, 529 19th Ave., W., Calgary, Alta. at $0.12 per cu.yd.

Ontario—J. W. Pugsley secy. Dept. Railways & Canals, Ottawa, constructing Youngs Point Sect. Trent Canal, to T. A. Brown & Co., Ltd., 104-5 Ontario Bldg., 169 Yonge St., Toronto. Noted Aug. 27.

Streets and Roads

PROPOSED WORK

Pa., Phila. — Dept. Pub. Wks., Bureau of Highways, rejected bids Sept. 30, grading, etc., 3,000 cu.yd. streets in 40th Ward. Will readvertise. Noted Oct. 8.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grubbing and grading 4½ mi. Project 4730 from Dunn to Cumberland Co. line, Harnett Co. $35,000. C. M. Upham, Raleigh, engr.

N. C., Waynesville—Plans paving additional streets. $75,000 bonds sold.

Ga., Columbus — Muskogee Co. election Oct. 31, $1,650,000 bonds, hardsurfacing various roads.

Ga., Dalton—Whitfield Co. election Nov. 17, $400,000 bonds, improving various roads.

Fla., Dade City — Voted $25,000 bonds grading and paving park extension. L. R. Douglas, clk.

Fla., Dade City — Voted $60,000 bonds paving 13 streets. L. R. Douglas, city clk.

Miss., Biloxi—Making preliminary plans grading, curbing and hardsurfacing 14 various streets; also waterworks extensions in 12 various streets, and "White Way" lighting system on Howard Ave. and 12 other streets. W. S. Hawkins, Gulfport, engr.

Miss., Hazelhurst—See "Waterworks."

Miss., Louisville—Soon takes bids grading, curbing and paving 10,000 sq.yd. vari-

Streets and Roads (Continued)

ous streets. F. A. Livingston, 201 Masonic Bldg., engr.

La., Lake Charles—City Council rejected bids grading, curbing and concrete paving 22 streets. Noted Sept. 24.

Tenn., Cleveland — Bradley Co. election soon $50,000 bonds improving various roads. Noted July 23.

Tenn., Nashville — Davidson Co. plans reconstructing various roads. $65,000 appropriated.

Kentucky — State Hy. Dept., Frankfort, takes bids probably latter part November, improving 0.8 mi. Cliff-Prestonsburg Rd., 24-28 ft., Floyd Co.; and Barbourville-Williamstown Rd., Knox Co. E. N. Todd, highway engr.

O., Canton — Stark Co., takes bids in spring brick paving, etc. 4 mi. Gov. Cox Highway, $140,000; and 1.7 mi. Canton-Cleveland Rd., $75,000, both 16 ft. A. M. Wise, Canton, engr.

O., Canton — Stark Co., takes bids in spring, probably brick paving Hartsville Rd. $40,000. A. M. Wise, Canton, engr.

O., Cleveland—A. B. Smythe Co., W. L. Morris, vice-pres., Smythe Bldg., making plans grading, laying sidewalks, sewers and water mains in various streets. $125,000. F. A. Pease Eng. Co., Marshall Bldg., engrs.

O., Cuyahoga Falls—Plans widening and resurfacing about 1 mi. Front St., 40 ft. $60,000. G. Ranmey, city engr.

O., Xenia — Greene Co., takes bids in spring improving 2.5 mi. Dayton and Springfield Pike $70,000, 8.5 mi. Xenia and Fairfield Pike, $150,000-$160,000, and 8.5 mi. Intercounty Highway 6, from Xenia to Warren Co. line, $150,000, all 16 ft.

Michigan — State Hy. Dept., at office Comrs. Kent Co., Grand Rapids, plans graveling 7.5 mi. Kent Co. Rd. from Grattau to Oakfield $70,000, 3 mi. Kent Co. Rd. from Parnell to Murray Lake $30,000, 23 mi. to Campau Lake $24,000, 3.5 mi. Courtland-Evans Road $31,500, all foregoing 20 ft.; also constructing Thornapple Bridge and fill, $65,500. G. C. Dillman, Lansing, highway engr.

Michigan — State Hy. Dept. at office Comrs. Midland Co., Midland, rejected bids graveling 5.509 mi. Trunk Line Road 18-11. Will readvertise. Noted July 30.

Wis., Milwaukee—Milwaukee Co. making plans widening Blue Mound Rd. between county line and Cotrell Ave. and probably to city limits. $150,000 or more. J. T. Donaghey, Madison, highway engr.

Ia., Cedar Rapids—Plans asphaltic concrete on concrete surfacing 26,000 sq.yd. various streets in River Park, Sampson Heights and Grand Avenue Pl. additions. $55,000. L. J. Storey, city clk.

Ia., Waverly — Plans paving about 12 blocks various streets. $55,000. F. Lee, city clk.

Kan., Ft. Scott — Bourbon Co. making plans bituminous macadam surfacing 2.993 mi. Ames-Mapleton Rd., 18 ft., Federal Aid Project 39. To exceed $25,000. B. Boyle, Ft. Scott, engr.

Mo., Caruthersville — Voted $150,000 bonds, grading and concrete paving Little Prairie Special Rd. Dist. to connect with Highway 9. Noted Sept. 24.

Mo., Clayton — St. Louis Co. soon takes bids grading, concrete repaving, etc., Clayton Rd. between St. Louis city limits and North and South Rd. $37,800. R. Jablonsky, Court House, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made preliminary plans grading and paving with (a) concrete (b) brick alleys in City Blocks 3604, 3783, 4147, 4391-C, 4407, 5135, 5282, 5323, 5333, 5340, 5368, 5506, 5526, 5528, 5559, 5563, 5908, and 2586, (a) $71,800 (b) $114,000. W. W. Horner, city engr.

Mo., St. Louis — Making preliminary plans grading, curbing and probably asphalt on concrete paving road through Penrose Park between Kingshighway N. W. and West Florissant Ave. $60,000. W. W. Horner, city engr.

Mo., St. Louis — Making preliminary plans grading, curbing and hardsurfacing 12 blocks North Circle Dr., Penn, Sycamore, Moss and Doniphan Sts. W. K. Seitz, City Hall, engr.

Mo., St. Louis—Strodtman & Strodtman, 3607 North Bway., soon take bids mass grading and shaping approximately 60,000 cu.yd. streets in Good Haven subdivision at Goodfellow St. and Bircher Rd. Pitzman Eng. & Surveying Co., 615 Chestnut St., engrs.

Ark., Fayetteville — Soon takes bids grading, curbing and concrete or asphaltic concrete surfacing College St. Impvt. Dist. $26,500. E. M. Ratcliffe, Fayetteville, engr.

Ark., Pine Bluff — Jefferson Co. making preliminary plans grading and concrete surfacing 88 mi. and gravel surfacing 169 mi. various roads. $4,000,000.

Tex., Abilene—Taylor Co. making plans bituminous macadam paving 11 mi. State Highway 1, through Merkel toward Tye, 18 ft. $200,000. L. C. McCanless, Abilene, engr.

Tex., Albany—Shackelford Co. making plans grading and bridging 17.44 mi. Highway 1-A from Highway 18 to Callahan Co. line, $160,000; also bituminous macadam surfacing 12.71 mi. Highway 1-A from Albany to Stephens Co. line, Revised Federal Aid Project 6, 18 ft., $240,000. J. E. Pirie, Albany, engr.

Tex., Amarillo — Making plans paving Harrison St. from 6th to 10th Sts. and West 8th St. from Harrison to Jackson Sts. $35,000. H. B. Jones, Amarillo, engr.

Tex., Batesville — Zavalla Co. making plans hardsurfacing 13.8 mi. Highway 55, La Pryor to Uvalde Co. line, 18 ft. $125,000. W. F. Hutson, c/o City Hall, San Antonio, div. engr.

Tex., Breckenridge—Stephens Co. making plans hardsurfacing 17 mi. highway from Breckenridge to Graham Co. line, 18 ft. $400,000. G. E. Franklin, Breckenridge, resident engr.

Tex., Brenham—Washington Co. making plans rein.-con. surfacing 19 mi. State Highway 36, Somerwell - Brenham - Belleville Rd., 16 ft. $560,000. G. A. Bracher, Brenham, co. engr.

Tex., Clarksville—Red River Co making plans grading and bridging 8 mi. State Highway 5, from Avery to Annona, 26 ft. M. P. Homeyer, Clarksville, engr.

Tex., Cold Springs — San Jacinto Co. voted $1,000,000 bonds hardsurfacing 38 mi. Highway 35, from Liberty Co. line to Polk Co. line, and Highway 45 from Walker Co. line to Trinity River, 18 ft. D. M. Love, Cold Springs, co. judge.

Tex., Cuero—De Witt Co. voted $300,000 bonds hardsurfacing roads in Yorktown Dist. State and Federal Aid about $200,000. Address S. Kulawik, Cuero, co. judge. Noted Sept. 17.

Tex., Eastland — Eastland Co. making plans hardsurfacing about 9 mi. Cisco-Moran Highway, 18 ft. $160,000. G. E. Franklin, Eastland, engr.

Tex., Gatesville — Voted $40,000 bonds, paving various streets. Noted Oct. 1.

Tex., Georgetown—Williamson Co. making plans grading, bridging and rein.-con. surfacing 12 mi. State Highway 29, Leander to Travis Co. line, 24 ft. $56,600. M. C. Wilborn, Georgetown, engr.

Tex., Georgetown—Williamson Co. making plans grading, bridging and gravel surfacing 10.36 mi. State Highway 95, Taylor to Travis Co. line, 16 ft. $126,600. M. C. Welborn, Georgetown, engr.

Tex., Gonzales — Gonzales Co. making plans bituminous surfacing 28 mi. Highway 3, 16 ft. $130,000. J. G. Irby, Gonzales, engr.

Tex., Graham—Young Co. voted $400,000 bonds, grading and bridging 30 mi. highways in Precinct 1, 18 ft. W. F. Parsley, Graham, co. judge.

Tex., Groveton — Trinity Co. making plans grading, bridging, gravel and bituminous macadam surfacing 60 mi. state highways, 18 ft. $1,200,000. J. O. Booker, Groveton, engr. Noted Apr. 9.

Tex., Hillsboro—Hill Co. defeated $85,000 bonds, surfacing 7 mi. highway in Blum Dist. 16. O. Culberson, Hillsboro, co. judge. Noted Sept. 17.

Tex., Houston — Crockett Co. making plans grading and bridging 6.745 mi. State Highway 19, Crockett to South Line Rd. Dist. 3, Federal Aid Project 485-C, $31,350; also 8.79 mi. State Highway 19, Federal Aid Project 485-D, $39,075, both 26 ft. F. J. Von Zuben, Crockett, engr.

Tex., Kaufman — Kaufman Co. making plans 9 ft. concrete paving 10.8 mi. State Highway 40, and amesite surfacing bridges. $152,170. S. J. Treadway, Terrell, engr.

Tex., La Grange — Fayette Co. making plans grading and five bridges over 20 ft. span on 10 mi. State Highway 44, 26 ft. $50,000. R. E. Schiller, La Grange, engr.

Tex., Lubbock — Lubbock Co. making plans grading, bridging and caliche surfacing about 18 mi. Highway 7 and 53, 18 ft. $400,000. S. G. Garrett, Lubbock, engr. $200,000 bond issue available to be supplemented by State and Federal Aid.

Tex., Menard—Menard Co. making plans gravel surfacing 14 mi. Highway 23 from Menard to Kimble Co. line, 18 ft. $100,000. Address County Engineer.

Tex., San Angelo — Tom Green Co., making plans asphaltic macadam paving 27 mi. Highway 9, 14 mi. Highway 30, 16 mi. Highway 90 and 14 mi. Highway 70. $1,000,000. State and Federal Aid appropriates $500,000 toward cost. J. Gresham, San Angelo, state div. engr. Noted Oct. 1.

Tex., San Antonio — Election Nov. 17, $400,000 bonds opening and widening certain business streets, also $250,000 bonds permanent paving business and residence streets. I. Ewig, City Hall, city engr.

Tex., San Antonio—Bexar Co. takes bids after Oct. 25, improving 8.8 mi. Highway 3, Federal Aid Project 359, Medio Creek to Medina Co. line, 18 ft. $149,000. A. C. Pancoast, 102 Turner St., San Antonio, engr. Noted Oct. 15.

Tex., Seguin—Guadalupe Co. making surveys bituminous macadam surfacing 19.8 mi. Highway 3-A, from Seguin to Caldwell Co. line. $300,000. H. J. Caulfield, Seguin, engr.

Tex., Slanton—Making surveys paving 20 blocks various streets. $100,000. Gantt-Baker Co., 1116 Main St., Oklahoma City, Okla., consult. engrs.

Tex., Sweetwater — Nolan Co. making plans grading and bridging 5 mi. State Highway 70, Sweetwater to Fisher Co. line, 26 ft. $30,000. J. A. Focht, Sweetwater, co. engr.

Okla., Chickasha—Plans grading, curbing and sheet asphalt surfacing 6,800 sq.yd. 1st and 2nd Sts. $27,600. R. O. Bradley, Chickasha, engr.

Okla., Perry—Plans grading, curbing and concrete paving 13,700 sq.yd. North 7th and South 4th Sts. $41,300. C. A. Wood, Stillwater, engr.

Oklahoma — State Hy. Dept., Oklahoma City, making surveys grading, etc., 3 mi. State Highway 1, 30 ft. Woodward Co. $35,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, rejected bids grading, etc., 5.469 mi. road west of Enid, 30 ft., Federal Aid Project 180, Garfield Co. $26,500. J. M. Page, highway engr. Noted Oct. 1.

Okla., Oklahoma City — Plans curbing, widening and concrete surfacing 8,870 sq. yd. Bway. $47,000. B. M. Hart, City Hall, engr.

Wash., Seattle—Comrs. King Co., rejected bids Oct. 3, grading and 7 in. concrete paving 18,824 sq.yd. Benson Rd. $45,000. T. R. Beeman, 602 37th St., engr. Noted Oct. 8

Calif., Los Angeles — Los Angeles Co. plans grading and concrete paving 2.01 mi. Olive St. from Main St. to Compton City, $82,236, and 0.95 mi. Wilmington and Los Angeles Rd., $39,494; grading, curbing, guttering, sidewalks, and oiling 0.36 mi. Lucile St. from Long Beach Boundary to Wilmington St., $53,530, and 1.93 mi. Aranbe Ave., etc., $44,347. G. Jones, Hall of Records, engr.

Calif., Los Angeles—Bd. Pub. Wks., takes bids about Nov. 8, grading, curbing, guttering, sidewalks and sheet asphalt and asphaltic concrete on concrete paving 9th St., from Meyler to Weymouth Sts., 94th St. from Figueroa to Vernan Sts., and 3rd Ave. from Washington to Adams Sts. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Oakland—Soon takes bids grading and oil macadam paving 123,323 sq.ft. Bay Farm Island Rd. W. W. Harmon, city engr.

Calif., San Rafael — Marion Co. making plans grading and rock surfacing, etc. 3 mi. road from Hicks Valley to foot of Wilson Grade $30,000, 4.4 mi. portions of Red Hill and Bolinas Rds. $28,250, 7 mi. Point Keyes Rd. from Flood Gate west to Mendosas $30,000, 9 mi. Tiburon Blvd. from Tiburon to Corte Madera $73,100, 5.4 mi. Bolinas and Olema Rds. $60,000, 15.4 mi. road from Millerton and Fallon, $140,000; grading and paving, etc. 15.5 mi. White's Hill $410,960, 5.3 mi. road from Tomales east to county line $112,650, 6.2 mi. road from Novato north on Hicks Valley Rd. $114,500, and 1.3 mi. Point San Pedro Rd. $30,000; grading, etc. 1.8 mi. Santa Venetia Rd. $25,000, 4.8 mi. Portions Chileno Valley and Salmon Creek Rds. $26,500, 7 mi. road from Mill Valley to Stinson Beach $77,500, and 9 mi. Fairfax Alpine Rd. $74,350. J. C. Oglesby, San Rafael, co. surv.

Que., Black Lake — Voted $75,000 bonds for paving, sewers, etc. in various streets.

Que., Dorval—Voted $35,000 bonds for paving, sewers, etc. in various streets.

Que., St. Joseph D'Alma—Voted $163,000 bonds for paving, sewers, etc. in various streets.

B. C., North Vancouver — Making plans 8 mi. highway from 2nd Narrows Bridge to top of Grouse Mountain. $60,000-$80,000. Hawkins & Horle, 626 Pindar St., West Vancouver, engrs.

BIDS DESIRED

New York — Nov. 6, by A. W. Brandt, comr. highways, Albany, constructing highways in Allegany, Dutchess, Orleans and Warren Counties; and reconstructing highways in Albany, Broome, Dutchess, Monroe, Montgomery and Nassau Counties; adv. E. N.-R. Oct. 22.

Streets and Roads (Continued)

N. Y., Bronxville—Nov. 4, at office Westchester Co. Park Comn., 72 West Pondfield Rd., grading, etc., Silver Lake Parkway Dr. from Westchester Ave. (city line of White Plains) to Hancock St. J. Downer, ch. engr.; adv. E. N.-R. Oct. 22.

N. Y., Brooklyn—Oct. 28, by J. A. Guider, boro pres., Boro Hall, asphalt on 6 in. concrete paving Brooklyn and 21st. Aves., Cortelyou Rd., North 15th, 16th, 67th, 74th, and 77th Sts.; grading, curbing and flagging Empire Blvd. (where not completed), 21st Ave., 67th, 72nd, and 74th Sts.; grading Essex St.

N. Y., Long Island City — Oct. 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks, and sheet asphalt on concrete paving Fosdick Ave., Barclay, Haspel (Wool), 53rd, 54th, Slocum, and 130th Sts., sheet asphalt on concrete paving Harold Ave., 104th and 114th Sts.; grading and sidewalks on Mymaud Pl., 104th and 114th Sts. and grading Harkow Pl.

N. J., Freehold — Nov. 4, by Township Committee, Court House, R. C. Clayton, chn., gravel on slag surfacing 2,258 cu.yd. various streets. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Oct. 22.

N. J., Tuckerton—Oct. 27, by Boro Council, Council Rooms, T. Plaro, boro clk., concrete curbing and sidewalks on various streets. J. M. Abbott, boro engr.; adv. E. N.-R. Oct. 22.

Pa., Phila.—Oct. 20, by Dept. Pub. Wks., Dept. Highways; (Schedule A), grading 18,588 cu.yd. Large, Tabor and Wakeling Sts.; (Schedule B), asphalt paving 32,187 sq.yd. 6 streets; (Schedule C), vitr. brick paving 742 sq.yd. Ruan St.; (Schedule D), improving country road, improving 1,080 sq.yd. 13th St.; (Schedule E), granite block repaving 40,358 sq.yd. 7 streets; (Schedule F), furnishing and delivering 2,000 tons crushed pebbles; (Schedule G), furnishing and delivering 2,000 tons binder slag; (Schedule H), furnishing and delivering 2,500 cu.yd. sand for asphalt paving mixture; (Schedule J), paving and repaving certain alleys in 1st Highway Dist. J-1 and 5th Highway Dist. J-2 and 3. G. H. Biles, dir. Pub. Works.

Pa., Pittsburgh—Oct. 28, by J. P. Moore, controller Allegheny Co., asphaltic concrete paving, etc., 2,755 ft. Bellevue Rd.-Lowries Run Rd. and Cornell Ave. extensions, Ross Twp., 16-34 ft., $30,000; also 9,480 ft. Beam Rd. Contr. 2, Leetsdale, 27-30 ft., $90,000. Dept. Pub. Wks., 519 Smithfield St., engrs.

Ga., Cartersville—Oct. 31, by Bd. Aldermen, curbing, guttering and vitr. brick, concrete, sheet asphalt, asphaltic concrete, Finley sheet asphalt or Finley Method Type A surfacing 24,137 sq.yd. various streets. K. T. Thomas, 308 Wyonee Cloughton Bldg., Atlanta, engr.

Florida — Nov. 12, at office State Road Dept., Tallahassee, improving roads, and building bridges in various counties. J. L. Cresap, highway engr.; adv. E. N.-R. Oct. 22.

Fla., Port Pierce—Oct. 28, by C. C.Burry, aud.-clk., grading, paving, curbing, guttering, laying sidewalks, storm and sanitary sewers in various streets. W. A. Smith, city mgr.; adv. E. N.-R. Oct. 22.

Fla., Sanford — Nov. 16, by Comrs. Seminole Co. at office V. E. Douglass, clk. Circuit Court, grading, paving, and bridging 42 mi. highway. J. Meisch, chn.; adv. E. N.-R. Oct. 22.

Miss., Gulfport—Nov. 3, by Bd. Supervs. Harrison Co., 2 in. Warrenite bitulithic, 3 in. sheet asphalt or 7 in. rein.-con. surfacing 86,600 sq.yd. Magnolia Route, north to city limits. $150,000. W. S. Hawkins, County Court House, engr. Noted Oct. 1.

La., Baton Rouge — Oct. 29, by Comn. Council, grading, curbing guttering and 2 in. Warrenite bitulithic on 5 in. concrete paving 21,722 sq.yd. 4 streets. J. W. Billingsley, City Hall, consult. engr.

Kentucky—Nov. 9, by State Hy. Dept., Frankfort, waterbound macadam, waterbound macadam on sandstone, or bituminous macadam on sandstone surfacing 2 mi. Barboursville-Williamsburg Rd., 14 ft., State Project 22-A, Knox Co.; and grading, etc., 0.91 mi. Prestonsburg Rd. to bridge over Levisa Fork River at Cliff, 24 and 28 ft., Federal Aid Project 133-A, Floyd Co. E. N. Todd, highway engr.

Michigan—Oct. 26, by State Hy. Dept. at office Comrs. Oscoda Co., Alpena, graveling 3 mi. State Trunk Line Road 10-9 D. G. C. Dilman, Lansing, highway engr.

Michigan—Oct. 29, by State Hy. Dept., at office Comrs. Roscommon Co., Roscommon, graveling 11.967 mi. Federal Aid Road 134 A. G. C. Dillman, Lansing, highway engr.

Kan., Garden City — Nov. 13, by Clerk Finney Co., grading and sand clay surfacing, etc. 5.833 mi. Federal Aid Project 248-C, 18 ft. B. L. Allen, Garden City, co. engr. Noted May 21.

Kan., Kingman—Nov. 9, by Clerk Kingman Co., improving 1.004 mi. Federal Aid Project 245-A, 30 ft., 3,378 cu.yd. excav., 42,400 cu.yd. borrow, etc., also Bridge 1, eighteen 30 ft. deck girder spans, incl. 174,421 lb. reinforcing, and Bridge 2, ten 30 ft. deck girder spans, 101,480 lb. reinforcing. C. C. Martin, Court House, engr.

South Dakota — Oct. 27, by State Hy. Dept., Pierre, graveling 18,000 cu.yd. State Aid Project 108, Day Co.; 9,000 cu.yd. State Aid Project 104, Roberts Co.; and 6,000 cu.yd. State Aid Project 105, Grant Co. T. Soleglad, acting highway engr.

North Dakota — Nov. 3, by State Hy. Comn., and Comrs. Ward Co., Court House, Minot, **(F. A. P. means Federal Aid Project)**, grading, clearing and grubbing 8.615 mi. road from Mountrail and Ward Co. lines to Berthold, F.A.P. 227; 5.888 mi. road from Renville and Ward Co. line and south, F.A.P. 226; 7.844 mi. road from Minot to Logan, F.A.P. 270B; 9.575 mi. road from Burke and Ward Co. lines to Kenmare, F.A.P. 228.

Missouri—Oct. 30, by State Hy. Dept., Jefferson City, 707,095 cu.yd. earth and 50,951 cu.yd. rock excav., 37,448 cu.yd. concrete, 13,193 cu.yd. chats and 72,344 cu.yd. gravel surfacing roads in various counties. B. H. Piepmeier, ch. engr.

Mo., St. Louis — Nov. 10, by Bd. Pub. Serv., 208 City Hall, grading Frederick St. between Bittner and Fred Kraft addition, $3,200; Graham St. between Berthold and Oakland Sts., $2,400; Magnolia St. between Ecoff and McCausland Sts., $5,400 and Skinker St. between Delmar and Olive Sts., $19,520. W. W. Horner, 300 City Hall, engr.

Ark., Harrison—Oct. 28, by City, grading, curbing and asphalt or concrete surfacing 13,000 sq.yd. streets in Dist. 1, and concrete paving, etc., 6,000 sq.yd. in Dist. 2. E. M. Ratcliffe, Fayetteville, engr. Noted Aug. 27.

Tex., Anderson—Grimes Co. taking bids grading, bridging and bituminous macadam surfacing 8.75 mi. road from Roans Prairie to Walker Co. line. $150,400. O. A. Seward, Jr., Navasota, engr. Noted Aug. 20.

Oklahoma—Nov. 3, by State Hy. Dept., Oklahoma City, improving 97 mi. Highway 6, 30 ft., 53,760 cu.yd. earth and 3,985 cu.yd. rock excav., 37,780 cu.yd. borrow, 11,360 cu.yd. overhaul, 37.4 tons reinforcing, etc. $38,000. J. M. Page, highway engr.

Okla., Guthrie—Oct. 23, by G. L. Anderson, city clk., grading, curbing and 2½ in. brick on 5 in. concrete surfacing 4 blocks various streets in Paving Dist. 55. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Guthrie—Oct. 30, by E. R. Adams, clk. Logan Co., grading, etc. 13.69 mi. Guthrie-Crescent Rd., 30 ft. $78,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Oregon — Oct. 27, by State Hy. Comn., Court House, Portland, grading, etc. 12.5 mi. Maker-Unity Highway (Herford-Mill Gulch Sect.), Baker Co., 15.1 mi. Oregon-Washington Highway (Lena-Vinson Sect.), Morrow and Umatilla Counties; broken stone surfacing 28.2 mi. Dallas-California Highway (Lapine-Corral Springs Sect.), Deschutes and Klamath Counties; and clearing 14.5 mi. right-of-way on Klamath Falls-Lakeview Highway (Beatty-Drews Valley Sect.), Klamath and Lake Counties. R. Klein, highway comr.

California—Nov. 9, by State Hy. Dept., Sacramento, grading 21 mi. road between Desert Center and point 4 mi. west of Hopkins Well, Riverside Co.; and asphaltic concrete paving 14.6 mi. road between Ontario and Riverside, Riverside and San Bernardino Counties. R. M. Morton, Forum Bldg., Sacramento, highway engr.

California—Nov. 2, by State Hy. Comn., Sacramento, widening and concrete paving 13.2 mi. road between Camarillo and Ventura, Ventura Co.; and concrete paving 3 mi. road between Beaumont and Banning, Riverside Co. R. M. Morton, highway engr.

Calif., Redwood City — Nov. 2, by Supervs. San Mateo Co., grading, etc., 2 mi. Hillside Blvd. G. A. Kneese, co. surv.

Calif., San Diego — Nov. 2, by A. W. Wright, city clk., improving 15th St., 42,817 sq.ft. 5 in. concrete base, 172,491 sq.ft. 1½ in. asphaltic concrete paving, etc. F. A. Rhodes, city engr. Noted Sept. 24.

Calif., San Luis Obispo—See "Contracts Awarded."

Calif., Santa Cruz — Oct. 29, by S. A. Evans, city clk., grading, curbing and 2 in. concrete paving 59,206 sq.ft. Windham St. J. K. James, city engr.

BIDS RECEIVED

Rhode Island—State Bd. Pub. Rds., State House, Providence, Oct. 14, 8 in. rein.-con. paving 4.21 mi. County Rd., Barrington and East Providence, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $191,623. Noted Oct. 1.

N. Y., New York—Dept. Parks, 64th St. and 5th Ave., reconstructing bridle paths in Central Park, etc., from L. Di Minna, 2366 Lorrilard Pl., $61,400.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Oct. 15, widening and sheet asphalt repaving 116th St., from Brusstar Constr. Co., Harlem River and 150th St., $125,462; granite block repaving Canal St., from C. Helbock, 633 Wales Ave., $21,469; sheet asphalt repaving Whitehall St., from Uvalde Asphalt Paving Co., 1 Bway., $52,785. Noted Oct. 8.

Md., Baltimore — Bd. Awards, Oct. 14, steel asphalt paving 20,200 sq.yd. streets listed in Contr. 305-OCNA, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $102,233; concrete paving 9,060 sq.yd. streets in Contr. 306-OANA, from C. J. Spielman Co., Maryland Ave., Westport, Baltimore, $25,327. Noted Oct. 8.

O., Cincinnati — Hamilton Co., Oct. 9, grading, curbing and concrete paving 46,250 sq.yd. Dugan Gap Rd., from J. Gradison, North Bend Rd., $272,096. Engrs. est. $295,706. Noted Oct. 1.

O., Cleveland — City, Sept. 30, improving **(1)** East 47th St. **(2)** East 46th St. **(3)** East 144th St. **(4)** East 122nd St. **(5)** East 185th St. **(6)** Worthington Ave. **(7)** Western Ave. **(8)** East 147th St. **(9)** East 105th St. **(10)** West 140th St. **(11)** East 88th St. (1 to 11 inclusive) involves 51,290 sq.yd. bituminous asphalt, 27,500 lin.ft. stone curbing, 28,160 lin.ft. 4 in. drain tile gutter, and 23,100 cu.yd. earth excav. **(12)** East 97th St. **(13)** West 37th St. **(14)** East 88th St. **(15)** West 162nd St. (12 to 15 inclusive) involves 13,335 sq.yd. bituminous asphalt, 9,050 lin.ft. stone curbing, 9,500 lin.ft. 4 in. drain tile gutter, and 8,480 cu.yd. earth excav., from Enterprise Paving & Constr. Co., 8444 Bway. **(1)** $4,673 **(2)** $4,403 **(3)** $28,841; from Highway Constr. Co.; Guaranty Title Bldg. **(4)** $18,543 **(5)** $10,202 **(6)** $12,319 **(7)** $34,122; from Gould & Maybach, 16311 Saranec Rd. **(8)** $3,297 **(9)** $57,000; from Roehl Bros., 7006 Denison Ave. **(10)** $46,758; from Bentley Bros., Hanna Bldg. **(11)** $5,364; from Baldwin Bros., 4500 Euclid Ave. **(12)** $14,099 **(13)** $3,605 **(14)** $21,295 **(15)** $22,638. Noted Sept. 24.

Michigan — State Hy. Dept. at office Comrs. Antrim Co., Bellaire, graveling 3.089 mi. States Trunk Line 88-IC, from J. Telly, Conway, Mich., $45,831. Noted Sept. 24.

Michigan — State Hy. Dept. at office Comrs. Cheboygan Co., Cheboygan, graveling 7.147 mi. Federal Aid Project 172A-3, from F. McNally, Bridgeport, $55,519. Noted Sept. 24.

Michigan — State Hy. Dept. at office Comrs. Kalamazoo Co., Kalamazoo, concrete paving 8.332 mi. State Trunk Line 17-22A, from Gross Constr. Co., La Porte, Ind., $101,476.

Michigan — State Hy. Dept. at office Comrs. Calhoun Co., Marshall, concrete paving 5.53 mi. Federal Aid Project 144 A, from Hillding Constr. Co., Kendallville, Ind., $138,935.

Wis., Milwaukee—Dept. Pub. Wks., Oct. 9, asphalt repaving Greenfield Ave. between Layton Blvd. and 26th Ave., from Badger Constr. Co., 97 Wisconsin St., $9,116; vibrolithic concrete paving Superior St. between Estes St. and Russell Ave., from Kroening Constr. Co., 868 Island Ave. $24,947, 6th St. and Green Bay Ave. (connection) and concrete paving 1 alley, from A. E. Retzlaff, 868 Island Ave., $2,173 and $2,347 respectively; also concrete paving 2 alleys, from R. H. Gumz, 831 13th Ave., $6,850.

Oklahoma—State Hy. Dept., Oklahoma City, hardsurfacing 60,730 sq.yd. Pawhuska-Burbank Rd., Federal Aid Project 152, 18 ft., Osage Co., from J. J. Harrison, Continental Bldg., Oklahoma City, $119,646. Engrs. est. $125,000. Noted Oct. 1.

Calif., Alhambra — From Williams Constr. Co., 7603 Hampton St., Los Angeles,

Streets and Roads (Continued)

improving Hellman Ave., 31,870 cu.yd. grading at $0.45 per cu.yd., 27,070 sq.ft. sidewalks $0.16, 542,080 sq.ft. 6 in. paving at $0.177, total $136,310.

Calif., Eureka — Grading, 5 and 6 in. vibrolithic concrete paving 7th St., from Englehart Paving & Constr. Co., Eureka, $81,954. Engrs. est. $70,879.

Calif., Mill Valley — Improving Cascade Dr., 14,197 yd. grading, 46,000 sq.ft. concrete paving, 513 tons asphaltic concrete, etc., from A. G. Raisch, 46 Kearny St., San Francisco, $78,606.

Calif., Monterey—From J. J. Janes, 435 10th St., Richmond, improving Main St., 98,500 sq.ft. 6 in. concrete paving $0.238 per sq.ft., 3,800 lin.ft. concrete curbing $0.60, 28,500 sq.ft. concrete walks $0.18, etc., total $35,272.

Calif., Redwood City — From Raisch Impvt. Co., 46 Kearny St., San Francisco, improving Wallnridge, Schwerin Sts., etc., 9,000 cu.yd. grading at $0.80 per cu.yd., 9,560 ft. concrete curbing and guttering $0.90, 5,0 ft. armored curbing $0.85, 216,900 sq.ft. 2 in. Durite asphaltic concrete on 4 in. rock macadam paving $0.213, total $66,845; from Hanrahan Co., Standard Oil Bldg., San Francisco, Whipple and Edgewood Aves., 200,899 sq.ft. 5 in. concrete paving $0.20 and 9,140 lin.ft. integral curbing $0.35; from A. J. Crocker, 58 2nd St., San Francisco, Jackson, Fulton, Cleveland Sts., etc., 7,888 lin.ft. curbing and guttering $0.85 per lin.ft., 3,885 lin.ft. concrete guttering $0.50, 207,806 sq.ft. 4 in. asphaltic concrete on 3 in. broken rock paving $0.198.

Calif., Stockton—San Joaquin Co., from Irey & Holden, Lodi, improving Farmington-Escalon Rd., 16,600 cu.yd. grading at $0.30 per cu.yd., 11,450 tons base course gravel $1.50, 8,350 tons top course gravel $1.75, etc., total $36,899; from W. Moreing, Stockton, George Roach Rd., 6,800 yd. grading $0.27 5,900 tons gravel base course $2.20, 2,000 tons gravel, top course $2.50, 930 tons dressing $2.50, 920 bbl. asphaltic oil $3.25, etc., total $25,191.

CONTRACTS AWARDED

Mass., Brighton (Boston P. O.)—Dept. Pub. Wks., Boston, bitulithic paving Kirkwood St., here, to J. C. Coleman & Son, 1620 Tremont St., Roxbury. Engrs. est. $25,000. Noted Sept. 24.

Mass., Medford (Boston P. O.)—Mayors Office, Medford Bldg., Medford Sq., concrete paving Main St., to Coleman Bros., 49 Medford St., Charlestown, $3.25 per yd. Engrs. est. $25,000. Noted Oct. 1.

Mass., West Roxbury (Boston P. O.) — Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving and sewerage works in Morton St., to J. C. Coleman & Sons, 1620 Tremont St., Roxbury, $144,122. Noted Oct. 1.

Connecticut—J. A. MacDonald, comr. State Hy. Dept., Hartford, paving section highway from Middletown-Portland Bridge to Bridge on Little River, in Middletown, to L. Suzio Constr. Co., Meriden, $31,600; 3 in. asphalt on 6 in. concrete paving 1,745 sq.yd. intersection of Howe Ave. and Bridge St., in Shelton, to Silliman & Godfrey, 133 Admiral St., Bridgeport, $9,000. Noted Sept. 24.

Conn., Middletown—Grading 26,000 cu.yd. River Rd., to L. Suzio Constr. Co., State St., Meriden, $27,000.

Pa., Phila. — Dept. Pub. Wks., Bureau of Highways, to R. B. Wenner, 2313 Walnut St., grading Eastwick St. between 61st and 63rd Sts. $21,025, to Curtis Bros., State Rd. and Unruh, Kendrick St. between Frankford and Hegerman Sts., $7,639; to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving B St. between Wyoming and Louden Sts. $9,303, Clearview St. between Johnson and Cliveden Sts. $7,543, Wellsley St. between Emlen and Jefferson (Cherokee) Sts. $6,328, to Barber Asphalt Co., 239 North 30th St., Bigler St. between 13th and Broad Sts. $9,570, Conlyn St. between York Rd. and 16th St. $8,689, Nedro St. between 19th and Kemble Sts. $9,914, Randolph St. between Johnston and Bigler Sts. $6,581, Sharpnack St. between Chew and Belfield Sts. $21,509, Stenton St. between Sheldon and East Logan Sts. $7,301, Torresdale St. between Vankirk and Robbins Sts. $71,158, 13th St. between Lindley and Ruscomb Sts. $6,911, to Eastern Asphalt Co., 1504 Penn Bldg., Jenks St. between Cooper and Bath Sts. $1,357, Lycoming St. between N and O Sts. $8,677, Torresdale St. between Kennedy and Foust Sts. $35,142, asphalt repaving 16th St. between Passyunk and Porter Sts., $26,207; to B. Fisher Co., Inc., 20th and Venango Sts., improving country road Decatur St. from Red Lion Rd. north to Bridge $19,158, to Union Paving Co., 30th and Locust Sts., Pattison St. between Broad and 10th Sts. $44,889, Pattison St. between 10th and 7th Sts. $33,158; to United Paving Co., Real Estate Bldg., redressed granite block repaving 15th St. between Porter and Shunk Sts., and 16th St. (track area) between Washington and Moore Sts. $25,884, to C. G. Centrone, Jefferson Bldg., 12th St. between Ellsworth and Read Sts., and 12th St. (track area) between S. H. L. South and N. C. L. Ellsworth Sts. $22,402, and 12th St. between Reed and Porter Sts., $53,933; to Barton Constr. Co., 1713 Sansom St., grading, paving, etc., Rising Sun Ave. between Knorr St. and Cottman Ave., and grading Ferndale St. between Rhawn and Stanwood Sts., $65,256; and to Van Sciver Corp., Parkway and 24th St., furnishing crushed pebbles, $7,400. Grand total $536,931. Noted Oct. 1.

Md., Baltimore — Bd. Awards, grading, curbing, granite block paving 550 sq.yd. and concrete paving 13,140 sq.yd. streets in Contr. 304-OCOANA, to G. Long Contg. Co., 1st Ave. and 12th St., $39,880; grading, curbing, and sheet asphalt paving 12,100 sq.yd. streets in Contr. 303-OCOA, to Amer. Paving & Contg. Co., Montebello Ave., $63,411. Noted Oct. 15.

W. Va., Glenville—Gilmer Co., grading 3.5 mi. Glenville Dist. line North Third Rd., and 6 mi. Sand Fork-Braxton Co. line Rd., to C. E. Price, 2750 Division St., Huntington, $55,261 and $87,307 respectively. Noted Sept. 17.

Miss., Aberdeen — Improving various streets, 20,400 sq.yd. 2 in. Warrenite on 4 in. concrete and 7,000 sq.yd. on present gravel surfacing, etc., to Southern Roads Co., 104 North 17th St., Birmingham, Ala., $81,861; and 13,000 sq.yd. 6 in. one course concrete surfacing, curbing, guttering, etc., to Brannin & Son, Aberdeen, $38,098. Noted Sept. 24.

Miss., Armory — Improving various streets, 294,000 sq.ft. sidewalks, 22,000 sq. ft. crossing, and 77,000 ft. curb and gutter, to Camp Constr. Co., Armory, $89,528. Noted Sept. 10.

Miss., Charleston—Curbing and concrete paving 17,600 sq.yd. various streets, to Koehler Bros., 17 West Court Ave., Memphis, Tenn., $34,489.

Miss., Columbus—Grading, curbing and sheet asphalt on concrete surfacing 106 blocks, 12 various streets, to Morgan Hill Paving Co., Woodward Bldg., Birmingham, Ala. Noted Oct. 1.

Miss., Gulfport — Bd. Supervs. Harrison Co. improving Old Spanish Trail (Beach Blvd.), 24,900 sq.yd. 2 in. Warrenite bitulithic, 24,900 sq.yd. reconstruction on old shell, 3,000 cu.yd. shell, 210 ft. 15 in. culvert pipe, etc., also 12,000 sq.yd. seal coating, 15 tons binder, 20 tons sheet asphalt, etc., to Volunteer Life Bldg., Chattanooga, $41,406 and $3,040 respectively. Noted Sept. 24 and Oct. 1.

Miss., Louisville—Grading, curbing and brick on concrete surfacing 8,000 sq.yd. various streets, to Merrill Constr. Co., Louisville, approximately $25,000.

La., New Orleans — Comn. Council, to Southern Uvalde Rock Asphalt Co., Inc., Carondelet Bldg., Uvalde rock asphalt paving 18,560 sq.yd. Marengo St., 5,190 sq.yd. 2nd St., 12,130 sq.yd. Valence St., 23,230 sq.yd. Franklin St., 930 sq.yd. St. Andrew St., 950 sq.yd. Robertson St., 2,610 sq.yd. South Robertson St.; to M. J. Flynn, 7820 Spruce St. vitr. brick paving 11,650 sq.yd. Poydras St. (upper side), 10,400 sq.yd. St. Bernard Ave. from North Claiborne to St. Claude Sts., and 1,310 sq.yd. St. Bernard Ave. from St. Claude to Rampart Sts., 2,640 sq.yd. Poydras St. from South Claiborne Ave. to Bernard St., 18,500 sq.yd. Melpomene St., also sub-surfacing, etc., 4,034 sq.yd. St. Bernard Ave. and 12,900 sq.yd. South Claiborne St.; to Craven & Lange, Carondelet Bldg., sheet asphalt paving South Claiborne St. from Calhoun to Napoleon Sts., and 13,000 sq.yd. Claiborne St. from Napoleon to Louisiana Aves., oil asphalt paving 830 sq.yd. General Pershing St., and bituminous concrete paving 9,640 sq.yd. Audubon Blvd.; ot Grasser Constr. Co., Canal-Commercial Bldg., rein.-con. paving 2,610 sq.yd. South Johnson St. Noted Aug. 27.

La., Opelousas—Uvalde rock asphalt on old wooden block paving various streets, to Gulf Coast Constr. Co., Opelousas, at $1.05 per sq.yd.

La., Shreveport — To Flenniken Constr. Co., Cahn Bldg., grading, curbing, guttering and Uvalde rock asphalt paving 3,086 sq.yd. Lillian St. $11,756, 1,590 sq.yd. St. Luke St., $6,363, 3,330 sq.yd. Dale St. $11,619; to Southern Roads Co., 104 North 17th St., Birmingham, Ala., asphaltic concrete paving 804 sq.yd. Carrie Belle Ave., $3,285; and 3,904 sq.yd. Gladstone Blvd., $13,915. Grand total $46,938.

Kentucky — State Hy. Dept., Frankfort, grading, etc. 8.235 mi. Hazard-Jackson Rd., 24 and 28 ft., Federal Aid Project 138-A, Perry Co., to Codell Constr. Co., Winchester, Ky., approximately $270,000; bituminous surfacing 3.253 mi. Piner-Bracht Rd., 16 ft., State Aid Project 105-A, Kenton Co., to G. E. Miller, Visalia, $73,343. Noted Sept. 17.

O., Cincinnati — Director Pub. Serv., improving Madison Rd., 3,950 sq.yd. vitr. brick, 7,600 sq.yd. asphalt, 1,950 cu.yd. concrete, 4,500 lin.ft. granite curbing, 2,000 lin.ft. cement sidewalks, etc., to Scully-Brehm Co., 1011 Atlas Bank Bldg., $76,360. Engrs. est. $88,410. Noted Oct. 15.

O., Cincinnati — Curbing, laying sidewalks and granite block repaving 2,100 sq. yd. Central Ave., to Cino Constr. Co., 221 West 9th St., $31,103, engrs. est. $33,558; grading, curbing and laying sidewalks on 300 lin.ft. Stewart Pl., to O'Connell & Sweeney, Florence Ave. and Concord St. $25,219, engrs. est. $27,180. Noted Oct. 1.

O., Cleveland — To Roehl Bros., 7008 Denison Ave., grading, curbing, guttering and vitr. brick paving Kerns Ave. $5,306, Milan Ave. $15,159, Thrush Ave. $57,633; to Cleveland Trinidad Paving Co., The Arcade, 2 sections East Boulevard $103,385, bituminous asphalt paving Kolar Ave. $6,539, to Baldwin Bros., 4500 Euclid Ave., Larchwood Ave. $15,339, Normandy Ave. $4,316, Sedalia Ave. $27,309, to Highway Constr. Co., Guaranty Title Bldg., Lydian Ave. $12,939, Princeton Ave. $15,036, Sector Ave. $12,495, to H. G. Herring, Wayside Rd., Mandalay Ave. $15,563, to Gould & Maybach, 16113 Saranec Rd., Royal Rd. $19,767, Ruple Rd. $11,383, Tanner Ave. $6,291, to Bentley Bros., Hanna Bldg., Tellers Ave. $18,674. Grand total $347,135. Noted Sept. 24 and Oct. 1.

O., Columbus — W. H. Duffy, dir. Pub. Serv., laying necessary mains, sewer connections and concrete paving 289.7 ft. alley west Ann St., to R. J. Dienst, 480 South 5th St. $1,882, 558 ft. alley north Hudson St., and 697 ft. alley north Hanford St., to Yale Ave. Constr. Co., 146 Yale Ave., $3,069 and $3,279 respectively; asphalt paving 1,607 ft. 14th Ave., to Fitz-Pugh Constr. Co., Columbus $20,296, 1,620 ft. Racine Ave., and 1,338 ft. Warren Ave., to Franklin Asphalt Paving Co., 209 South High St., $19,688 and $10,042 respectively, 4,414 ft. Spring St., to B. F. Patterson, 1214 Neil Ave., $20,198; 2,230 ft. 6- to 18-in. sewers, etc. in Margaret St., to A. F. Riley, 1220 Esper St. $5,584, 1,860 ft. 8 in. sewer, etc. in alley south Sullivant Ave., to H. S. Bosler Constr. Co., 1504 Mulford Ave., $2,310. Grand total $86,348. Noted Oct. 1.

O., Lisbon — Columbiana Co., brick on concrete paving East Liverpool-Wellsville Rd., to G. B. Patterson, Wellsville, $50,404. Engrs. est. $50,000. Noted May 28.

O., Youngstown—Mahoning Co., bituminous macadam paving Lincoln Park-Coitsville Center Rd., to N. B. Putnam, Columbus, $40,229, engrs. est. $40,000; improving River Rd. in Milton Twp., to V. Mango, Niles, $60,423, engrs. est. $60,000.

Ill., Libertyville — Improving Brainerd Ave., Church St., etc., 5,550 cu.yd. excav., 6,400 ft. curbing and guttering, 9,450 sq.yd. concrete paving, outfall sewers and sewage disposal plant, to J. Cope & Sons, Racine, Wis., $44,000.

Wis., Wauwatosa—Bd. Pub. Wks., A. V. Brigham, secy., to Jacobus & Winding Concrete Constr. Co., 1 State St., improving 59th St., 2,400 cu.yd. excav. at $0.85 per cu.yd., 8,000 sq.yd. rein.-con. paving $2.08, 120 sq.yd. stone block paving $4. Noted Oct. 1.

Ia., Denison — Crawford Co., improving 8.8 mi. Federal Aid Project 232-A and B, 312,250 cu.yd. excav., 100,000 cu.yd. station overhaul, etc., Sect. A, to G. W. Condon, 510 Farnam Bldg., Omaha, Neb., at $0.1175 per cu.yd., Sect. B, to Thompson & Humphreys, Omaha, Neb., at $0.18 per cu.yd.

Ia., Des Moines—Curbing 15,770 ft. Des Moines St., to Potts Bros., 1602 York St., at $0.408 per ft.; 6,635 ft. Maple St. and 4,750 ft. Hutton St., to E. J. Callahan, 1309 Ascension St., at $0.422; and 2,983 ft. 38th St., to S. A. Bakalyar, 1341 39th St. at $0.447.

Ia., Hamburg — Grading, curbing and rein.-con. surfacing 1 mi. various streets, to M. L. Flinn, Grain Exch. Bldg., Sioux City, at $2.05 per sq.yd. Noted Sept. 25, 1924.

Ia., Mondamin — Curbing and guttering 6,300 ft. and paving 8,000 sq.yd. various

Streets and Roads (Continued)

streets, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, $25,364. Noted Oct. 1.

Ia., Sac City—Sac Co., to J. J. Thomson, 5619 Jones St., Omaha, Neb., improving Project S-19, 38,200 cu.yd. earth and 125 cu.yd. loose rock excav. $8,529, Project S-41, 37,771 cu.yd. earth and 125 cu.yd. rock excav. $8,146, and Project S-42, 38,363 cu.yd. earth and 250 cu.yd. loose rock excav., $8,632. Grand total $25,307.

Ia., Sharon—Grading, curbing and 6 in. rein.-con. surfacing approximately 15,000 sq.yd. various streets, to Western Asphalt Co., 1st and Nebraska Sts., Sioux City, at $2.04 per sq.yd.

Ia., Sioux City—To Booth & Olson, Inc., 120 Virginia St., surfacing 9,546 sq.yd. Harrison St. at $1.69 per sq.yd., 9,446 sq.yd. Nicollette St. $1.78, 1,620 sq.yd. Pierce St., $1.81, 3,772 sq.yd. Garfield St., $1.69, 29th St. to Stone Park Blvd. $1.79, and 600 sq.yd. alley in Block 8 Rose Hill, 2nd addition, $1.70; to Harrington & Jorgenson, Sioux City, 525 sq.yd. Grandview St. $1.95.

Ia., Sioux City—Woodbury Co., improving 6.847 mi. Federal Aid Project 245-A, 118,490 cu.yd. excav., 83,250 yds. overhaul, etc., to W. H. Dugan & Sons, Omaha, Neb., at $0.177 per cu.yd.; 28 culvert items, etc., to Voiles Constr. Co., Sioux City, $27,996.

Minn., Duluth — W. H. Fischer, city comr., concrete paving, etc., 14,720 sq.yd. 6th St., to Salo & Wienamaki, 1215 East 11th St., $45,290.

Kan., Hiawatha — Asphaltic concrete on present resurfacing 45 blocks various streets, to Watts Constr. Co., Concordia, at $0.99 per sq.yd.

Kan., Lyndon—Osage Co., grading, etc. 4.053 mi. Federal Aid Project 266-C, 28 ft., to Tibbetts & Tibbetts, Olathe, $32,619; 6.009 mi. Federal Aid Project 264-C, to A. L. Cook, Ottawa $9,246, also drainage and structures on same, to Alderman, Martin & Alderman, Ottawa, $9,106. Noted Sept. 3.

Kan., Oskaloosa—Jefferson Co., to T. J. Morris, Oregon, Mo., grading and culverts on 6.273 mi. Federal Aid Project 276-C, 28 ft., $54,300, 6.6 mi. Federal Aid Project 276-D, $38,340, and 5.82 mi. Federal Aid Project 268-A, $26,339, all 28 ft. Grand total $118,979. Noted Sept. 3.

Kan., Phillipsburg — Improving various streets, 4,300 cu.yd. excav., 5,496 sq.yd. concrete walks removed, 12,867 sq.yd. trimming and rolling subgrades, 12,687 sq.yd. brick on concrete surfacing, etc., to H. J. Taylor, Belleville, $45,855. Noted Aug. 27.

Kan., Wichita — Improving various streets, 11 concrete paving jobs and 4 alleys, to Globe Constr. Co., 1069 North Water St., $69,562; 6 asphaltic concrete and 4 sheet asphalt street paving jobs, to H. T. Ritchie, 124 North Fountain St., $55,134.

Nebraska—State Dept. Pub. Wks., Lincoln, **(F. A. P. means Federal Aid Project)**, to Central Bridge & Constr. Co., Wahoo, gravel surfacing 9.6 mi. F. A. P. 49-A, Dakota Co. $27,437, 8 mi. F. A. P. 80-A, Grant Co. $13,356, 12.7 mi. F. A. P. 242-B, Morrill Co. $18,730, 1.6 mi. F. A. P. 277-A, Grant Co $1,929, to Koehler Lumber & Coal Co., Sterling, 4 mi. F. A. P. 107-F, Sarpy Co. $8,912, 8.6 mi. F. A. P. 122-A, Gage Co. $23,792, to Interstate Concrete Co., Fairbury, 4 mi. F. A. P. 118-B, Jefferson Co. $11,011, to Platte Valley Gravel Co., Schuyler, 7.3 mi. F. A. P. 5, Platte Co. $10,218, and grading 13.5 mi. F. A. P. 53, Boone Co., $29,702; to Lynch & Rinehart, Sioux City, Ia., grading 3.3 mi. F. A. P. 23, Burt Co. $4,895, to L. G. Crownover, Bridgeport, 8.6 mi. F. A. P. 277-B, Sheridan Co. $20,938, to Roberts Constr. Co., First Natl. Bank Bldg., Lincoln, 8 mi. F. A. P. 25, Gage Co. $22,012, 3.48 mi. F. A. P. 72-B, Cedar Co. $11,711, to C. T. Whalen, North Platte, 6.5 mi. F. A. P. 69-A, Banner Co. $15,539, 8 mi. F. A. P. 80-A, Grant Co. $24,538, 1.6 mi. F. A. P. 277-A, Grant Co. $7,223, to S. L. Smith, Henry, 15 mi F. A. P. 267-A, Keya Paha Co. $25,370, to Martin & Clark, Scottsbluff, 1.47 mi. F. A. P. 76-E, Dawes Co. $4,398, to J. W. Wachtler, 1805 Dodge St., Omaha, 4 mi. F. A. P. 107-F, Sarpy Co., $13,193; to Reel & Kennedy, Dalton, guard rail on 6.5 mi. F. A. P. 69-A, Sarpy Co. $1,873, to Metz Constr. Co., Springfield, on 1.47 mi. F. A. P. 76-E, Dawes Co. $516, 8 mi. F. A. P. 80-A, Grant Co. $861, 15 mi. F. A. P. 267-A, Keya Paha Co. $2,336, 1.6 mi. F. A. P. 277-A, Grant Co. $718, and to Artificial Stone Co, Bruening, on F. A. P. 171-B, Fillmore Co. $1,460, also 4 mi. F. A. P. 107-F, Sarpy Co., $3,853. Grand total $306,509. Noted July 23 under "Lincoln, Neb."

Nebraska — State Hy. Dept., Lincoln, improving 23.2 mi. State Aid Project between Elwood and Stockville, Frontier Co., 149,000 cu.yd. earth excav., 130,000 cu.yd. sta. overhaul, etc., to H. Hall, Maywood, $36,172; metal culverts, to R. Cummings, Kearney, $19,288.

Neb., Lincoln—Warrenite bitullithic concrete paving 10,430 sq.yd. streets in Paving Dist. 52 (Cotner Blvd.), to Abel Constr. Co., 318 Terminal Bldg., $32,840.

North Dakota — State Hy. Comn., and Bd. Comrs. Grand Forks Co., at Court House, Grand Forks, Sept. 18, graveling, etc., Federal Aid Project 41, A, B and C, between Northwood and Thompson, 28,618 cu.yd. load, spread, etc., gravel, 94,361 cu. yd. mi. haul, 7,727 cu.yd. strip pits, to H. Adams, Grand Forks, $26,016. Noted Sept. 3.

Wyoming — State Hy. Dept., Cheyenne, crushed gravel surfacing 11.7 mi. Evanston-East Rd., Federal Aid Project 173-A, 24 ft., Uinta Co., to Wickham Bros. & Schweiger, Billings, Mont., $41,490. Engrs. est. $47,000. Noted Oct. 1.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, improving alleys in City Blocks 1562, 1570, 1645, 5364, 5429A and 5429B, to Progressive Constr. Co., 3603 Chouteau Ave., $13,018; alleys in City Blocks 3686, and 4823, to Skrainka Constr. Co., Security Bldg., $8,630; and alleys in City Blocks 4517N, to Perkinson Bros. Constr. Co., 3237 Carter St., $2,177. Grand total $23,826. Noted Oct. 8.

Arkansas—State Hy. Comn., Little Rock, single bituminous surfacing 45,725 sq.yd. Federal Aid Project 26, and 21,120 sq.yd. non federal aid section, both Johnson Co., to P. F. Connelly Paving Co., Southern Trust Bldg., Little Rock, $11,364; improving 8.55 mi. Camden-Stephens Rd., Federal Aid Project 223-A, Quachita Co., 17.26 acres clearing, 23.4 acres grubbing, 17,814 cu.yd. gravel surfacing, 56,558 cu.yd. excav., 32,770 cu.yd. overhaul, etc., to R. L. Lynch, 320 West Markham St., Little Rock, $41,226. Noted Sept. 10 and 24.

Ark., Russellville—Rein.-con. paving 44 blocks various streets, to C. E. Philot Constr. Co., Russellville, $135,000. Noted July 16.

Ark., Siloam Springs — Comrs. Paving Dist. 3, 7 in. concrete paving and storm sewers in various streets, to Stanton & Wallace, Leavenworth, Kan., $63,900 Noted Sept. 10.

Ark., Van Buren — Concrete paving various streets in Paving Dist. 6, to Kaw Paving Co., 100 Topeka Ave., Topeka, Kan., $53,266.

Tex., Alpine—Permanent paving 6th and 7th Sts., Railroad Ave., also Aves. A and D, to Uvalde Rock Asphalt Co., Frost Bank Bldg., San Antonio, $90,000.

Tex., Henderson—Rusk Co., graveling 3½ mi. Henderson-Carthage Rd. and 4½ mi. Mt. Enterprise-Timpson Rd., Highway 64, to L. M. Leath, Hemphill, approximately $50,000.

Tex., Orange — Orange Co., gravel surfacing 14 mi. highway in Precinct 4, to Martin Bros., Vidor, $58,314. Noted July 30.

Tex., Temple — Vitr. brick and concrete paving 1½ mi. business streets, to K. S. Hull, Jr., Temple, approximately $100,000. Noted Sept. 17.

Tex., Texas City—Galveston Co., 2 in. limestone rock asphalt on 6 in. rein.-con. paving 36,000 sq.yd. various streets, to S. Shambaugh, 1407 Dowling St., Houston, $162,360. Engrs. est. $175,000. Noted Oct. 15.

Oklahoma—State Hy. Dept., Oklahoma City, **(F.A.P. means Federal Aid Project, S.A.P. State Aid Project and e.e. engineers estimate)**, to Hamilton Constr. Co., Johnston Bldg., Bartlesville, grading, etc. 18.73 mi. Claremore-Chelsea Rd., 30 ft., F.A.P. 184, Rogers Co., 9,444 cu.yd. excav., 26,948 cu.yd. overhaul, 46.67 tons reinforcing, etc., $52,573 e.e. $60,000, to W. P. McCoy, Arlington, Tex., 5.47 mi. Mounds Rd., 30 ft., F. A. P. 159-D, Creek Co., 24,451 cu.yd. excav., 25,966 cu.yd. borrow, 7,953 cu.yd. overhaul, 10.12 tons reinforcing, etc., $24,354 e.e. $27,000, to D. T. Allen, Herskowitz Bldg., Oklahoma City, 5.14 mi. Wetumka Calvin Rd., F.A.P. 189-A, 30 ft., Hughes Co., 36,270 cu.yd. excav., 4,700 cu.yd. overhaul, 14.3 tons reinforcing, etc., $19,620 e.e. $26,000, 4.89 mi. same road, Sect. B, 37,371 cu.yd. excav., 4,200 cu.yd. overhaul, 12.2 tons reinforcing, etc., $22,125 e.e. $27,500, and 4.32 mi. same road, Sect. C, 35,600 cu.yd. excav., 4,100 cu.yd. overhaul, 12.1 tons reinforcing, etc., $25,780 e.e. $28,000, to Gibson & Mitchel, Pauls Valley, 5.92 mi. Sapulpa Rd., 30 ft., F.A.P. 159-C, Creek Co., 16,422 cu.yd. excav., 6,655 cu.yd. overhaul, 15.88 tons reinforcing, etc., $21,288 e.e. $26,000, 4.41 mi. Wetumka-Calvin Rd. F.A.P. 189-D, Hughes Co., 34,297 cu.yd. excav., 5,920 cu.yd. overhaul, 10.3 tons reinforcing, etc., $25,469 e.e. $30,000, 4.15 mi. Setumka Rd., F.A.P. 174-B, Seminole Co., 23,884 cu.yd. excav., 1,422 cu.yd. overhaul, 8.14 tons reinforcing, etc., $25,807 e.e. $27,500, concrete surfacing 31,120 cu.yd. road 6 mi. east of Ardmore, S.A.P. 205, Carter Co., $42,245 e.e. $45,000; to J. J. Harrison, Continental Bldg., Oklahoma City, grading and surfacing 5.22 mi. Summerfield-Wister Rd., 30 ft., F.A.P. 116-D, Le Flore Co., 16,447 cu.yd. excav., 9.74 tons reinforcing, 2,700 sq.yd. concrete and 9,160 cu.yd. gravel, etc., $60,334 e.e. $65,000, to Ellis & Lewis, Muskogee, 6 mi. Coadys Bluff-Alluive Rd., 18 ft., S.A.P. 141-C, Nowata Co., 2,128 cu.yd. excav., 15.64 tons reinforcing, 10,634 cu.yd. gravel, etc., $48,876 e.e. $50,000. Grand total $368,471. Noted Oct. 1.

Okla., Kellyville—Creek Co. (Sapulpa), grading and Bates type concrete paving 9,000 sq.yd. various streets, here, to Standard Paving Co., 1742 East 6th St., Tulsa, at $2.45 per sq.yd.

Okla., Norman—Vibrolithic paving 15,700 sq.yd. various streets, to Tibbets & Pleasant, Norman, $59,316.

Okla., Okemah — Grading, curbing and concrete surfacing 12,660 sq.yd. streets in Dist. 6, and 14,780 sq.yd. streets in Dist. 5, to Park & Moran, 210 South Seminole St., Okmulgee, $36,321 and $43,329 respectively. Engrs. ests. $42,334 and $49,780 respectively.

Okla., Tulsa—Curbing and paving 1,024 sq.yd. various streets in Dist. 665 and 1,557 sq.yd. Dist. 667, to H. L. Cannady Co., 1122 South Lewis St., $6,008 and $6,969 respectively; 3,715 sq.yd. Dist. 661, and 620 sq.yd. Dist. 668, to S. Ward, 306 South Denver St., $18,064 and $3,443 respectively; 2,381 sq.yd. Dist. 669, and 3,973 sq.yd. Dist. 670, to Standard Paving Co., 1742 East 6th St., $10,628 and $17,611 respectively, 2,232 sq.yd. Dist. 671, to Western Constr. Co., Daniel Bldg., $9,691. Grand total $72,414.

Washington — State Hy. Dept., Olympia, clearing, grading, etc. about 5.07 mi. Kennewick-Richland Rd., State Rd. 3, Benton Co., to N. Rich, Prosser $33,282. 4.29 mi. State Rd. 13, Pacific Co., to A. Wallin, P. O. Box 656, Montesano, $125,856; grading, gravel surfacing, etc. 6,910 cu.yd. Woodmans Gulch-Chimacum Rd., State Rd. 9, Jefferson Co., to G. A. Banderet, Bryn Mawr, $52,851; and one course crushed gravel or rock surfacing 5,456 cu.yd. State Rd. 8, Klickitat Co., to Chenault & Wagoner, 231 Couch St., Portland, Ore., $6,220. Grand total $218,209. Noted Sept. 17.

Wash., Seattle—Bd. Pub. Wks., improving 36th Ave. S. W., et al., to Odman Contg. Co., 2534 33rd Ave. S., $28,654. Noted Oct. 1.

Oregon—State Hy. Dept., Salem, **(e. e. means engrs. est.)**, improving 7.02 mi. Euchre Creek-Rogue River Sect. Roosevelt Highway, Curry Co., North Unit, to Hagquist & Bjorkquist, North Bend, $76,980, e. e. $69,195; 3.98 mi. same road, South Unit, to Shell & Rhoades, Oakland, $116,542 e. e. $112,570; and 4.55 mi. Crooked River Sect. The Dallas-California Highway, Jefferson and Deschutes Counties, to Logan Bros., Arlington, $10,270. Grand total $203,792.

California—State Hy. Comn., San Francisco, **(e. e. means engineers estimate)**, grading and graveling 3.8 mi. road between point 4 mi. west of Bieber and Bieber (11-Las-28-A), Lassen Co., to D. McDonald, 1901 L St., Sacramento, $39,950 e. e. $73,055; concrete paving 15.2 mi. road between San Fernando and LaCanada, Los Angeles Co., to Dewey & Rawson, Pasadena, $149,467 e. e. $171,093; rein.-con. girder bridge over Willow Brook Creek, 2 mi. north of Petaluma, Sonoma Co., to Lozier & Carr, San Jose, $17,998 e. e. $16,615. Grand total $207,415. Noted Sept. 10 and 24.

Calif., Beverly Hills—Grading, curbing, guttering, sidewalks, and 8 in. concrete paving 337,697 sq.ft. portion Sunset Blvd., to Williams Constr. Co., 7603 Hampton Ave., Los Angeles, $78,630.

Calif., Dunsmuir — To Pacific States Constr. Co., Call Bldg., San Francisco, improving various streets 20,000 cu.yd. grading, excav. at $1.05 per cu.yd., 344,500 sq.ft. grading, surface $0.015, 75,900 sq.ft. 5 in. concrete paving $0.27, 53,740 sq.ft. 1½ to 2½ in. Willite asphaltic concrete on existing concrete $0.13, 268,700 sq.ft. 1½ in. Willite on 3½ in. asphaltic concrete paving $0.255, etc., total $259,473.

Calif., El Monte—Curbing, sidewalks and concrete paving 150,607 sq.ft. Main St., to

Streets and Roads (Continued)

Hall-Johnson Co., 3025 Fowler St., Los Angeles, $67,144. Engrs. est. $68,764. Noted June 4.

Calif., Inglewood—Concrete paving 322,-965 sq.ft. Manchester Ave., to Pacific Constr. Co., 1028 Block Bldg., Los Angeles, $86,884. Engrs. est. $89,000.

Calif., Los Angeles—Bd. Pub. Wks., to G. R. Curtis Paving Co., Inc., 2240 East 26th St., grading and 2 in. willite on 3 in. asphalt paving Parthenia St. $61,104, and asphalt paving Evanston St. $11,567; to G. D. Nichols, P. O. Box 572, Inglewood, grading, guttering and 5 in. concrete paving 1st alley southwesterly from Sheridan St. $773, 1st alley west of Pacific St. $4,196, 1st alley northwesterly from Mathews St. $2,449, and grading, curbing, guttering, sidewalk, and concrete paving 1 St. $2,721, to J. Mullarkey, 8435 Vermont Ave., 86th Pl., $9,916; to J. Martin, 789 Lyon St., grading and concrete paving Whitsett Ave., $10,662; to Griffith Co., Los Angeles Railway Bldg., grading, curbing, sidewalks and 5 in. concrete paving Centre St. $21,078, and Evergreen Ave., $21,345; to G. H. Oswald, 366 East 58th St., grading, curbing, guttering, sidewalks and national concrete paving Rimpau Blvd., $221,976; to P. J. Akmadzich, 321 Yale St., grading, curbing, guttering, sidewalks and oiling Larga Ave., $7,951; to J. M. Derenia, 237 West 83rd St., sanitary sewer in Honduras St. $915, to B. Crancich, in Preston Ave., $1,456; to H. E. Erdman, 210 North Wilson St., Alhambra, sewer mains in Longpre Ave. $2,796, and Springvale Dr. $9,293; to R. E. Cooney, 214 South Norton Ave., storm drain in Glassel Ave., $78,600. Grand total $468,798. Noted Sept. 17 and Oct. 1.

Calif., Oakland—Alameda Co., to Jones & King, Hayward, improving A St. from Hayward to San Lorenzo Highway, 3,000 yd. grading at $0.06 per cu.yd. 325,000 ft. finish grading $0.01, and 112,500 sq.ft. 1½ in. willite on 3½ in. asphaltic concrete paving $0.211, total $29,353.

Calif., Redondo Beach—To Griffith Co., Railway Bldg., grading, curbing, guttering and 5 in. concrete paving 94,943 sq.ft. portion of South Gertruda Ave., to Griffith Co., Railway Bldg., Los Angeles, $31,675.

Calif., San Luis Obispo — San Luis Obispo Co. will pave with concrete 1½ mi. road from end of present paving on Sta. 68.09 to bridge over Arroyo Grande Creek, at Sta. 121-15.5, by day labor. W. J. Black, San Luis Obispo, co. surv.

Calif., Southgate—To G. H. Oswald, 366 East 58th St., Los Angeles, improving Independence Ave., 10,956 sq.ft. 5 in. guttering at $0.10 per sq.ft., 3,290 sq.ft. 8 in. sidewalk $0.23, 142,766 sq.ft. 2 in. willite on 4 in. bituminous paving $0.19, total $34,185.

Ont., Toronto — York Twp., asphalt on concrete paving Weston Rd. from Hillary to Bridge Sts., to Constructing & Paving Co., Confederation Life Bldg., $34,910.

Ont., Windsor—Cement paving various streets, to Premier Constr. Co., 924 Windsor Ave., and Walkerville & Chick Contg. Co., McDougall Ave. Engrs. est. $35,000.

B. C., Point Grey—City, 6 in. (a) concrete or (b) blacktop or Warrenite on 6 in. rock paving 41st Ave., Sosomat, Dunbar and McKenzie Sts., etc., to Cotton Co. Ltd., False Creek Yards, Vancouver, (a) $18,313 and (b) $53,834.

B. C., Point Grey — Curbing and 6 in. one course concrete paving Bimbor, 10th and 45th Sts., to Dawson Wade & Co., Bekins Bldg., Vancouver, $48,619.

B. C., Vancouver—Warrenite on concrete paving portions of Hamilton, Davie and Howe Sts., to Armstrong, Morrison & Co., 543 Granville St., $41,845. Engrs. est. $65,000.

B. C., West Vancouver — Grading and macadam paving 5½ mi. Masimedowe St. from Caulfield to Whytecliff Sts., to Stewart & Barber, 601 Dominion Bldg., Vancouver, $83,269. Engrs. est. $100,000.

Buildings—Industrial

PROPOSED WORK

Mass., Cambridge (Boston P. O.) — FACTORY — H. D. Foss & Co., Inc., plans 5 story, brick addition, Main St. $50,000. Engineer and architect not selected.

Mass., Everett (Boston P. O.) — MANUFACTURING — Metropolitan Lithograph & Publishing Co., 7 Bow St., rejected bids 3 story, 60 x 125 ft., rein.-con. and brick, Bow St. $100,000. W. P. Hatch, 60 State St., Boston, archt.

Mass., Watertown (Boston P. O.) — FACTORY — Worcester Paper Box Co., H. Posner, pres., Austin St., Worcester, plans 2 story, 70,000 sq.ft. floor space, timber factory, here. $200,000. Private plans.

Mass., Westfield — MACHINE SHOP — H. B. Smith Co., 640 Main St., having plans prepared by French & Hubbard, 210 South St., Boston, 1 story, 110 x 112 ft., brick and steel, Main St. To exceed $40,000.

N. Y., Brooklyn — LOFT annd MANUFACTURING—Astoria Garden Corp., 105 Court St., A. Margolia, pres., plans 8 story, brick, steel and stone, plain foundation, Jay, High and Sands Sts. $200,000. Engineer and architect not selected.

N. Y., New York — SERVICE and REPAIR — Packard Motor Car Co., 61st St. and Bway., plans brick, steel and stone, plain foundation, East Fordham St. $150,-000. Engineer and architect not selected.

N. J., Bloomfield — PLANT — Westinghouse Lamp Co., 150 Bway., New York City, having plans prepared rein.-con., brick and steel addition, plain foundation, here. $90,-000. Private plans.

Del., Wilmington — FACTORY — C. E. Wunder, archt., 1520 Locust St., Phila., Pa., soon lets contract 4 story and basement, 65 x 109 ft., brick and steel, plain foundation, 215 French St., here, for Topkis Bros. Co., 217 French St.

Fla., Bradentown — ICE PLANT, etc. — West Florida Ice & Ice Cream Corp., Bradentown, plans 50 ton capacity ice plant also cold storage plant. G. V. Denny, genl. mgr.

Miss., Gulfport — WAREHOUSE and STORAGE — G. R. James & J. S. Savage, Memphis, Tenn. and J. A. Sykes, Gulfport, plan 4 story, warehouse and cold storage, 29th St., here. $200,000. Engineer and architect not announced.

Tenn., Chattanooga — METAL PLANT — Chattanooga Stamping & Enameling Co. plans two 1 story, 50 x 100 ft. and 30 x 60 ft. buildings. $50,000. E. P. Poste, c/o owner, ch. engr.

N. C., Winston—Salem—POWER PLANT —R. J. Reynolds Tobacco Co. having plans prepared rein.-con. power plant, incl. boiler room and turbine room with basement. $350,000 incl. equipment. J. E. Sirrine & Co., Greenville, S. C., engrs.

O., Cleveland—FACTORY—State Chemical Mfg. Co., J. H. Zucker, pres., 2160 East 2nd St., having plans prepared by Minton-Scobell Co., The Arcade, 3 story and basement, 44 x 147 ft., brick, Superior Ave. $100,000.

O., Findlay—FACTORY—Giant Tire & Rubber Co. plans 2 story, 80 x 200 ft., brick, steel and concrete addition. $50,000.

O., Ironton—FACTORY—Selby Shoe Co., E. N. Meek, mgr., having plans prepared by H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, 4 story and basement, 233 x 310 ft., brick and concrete factory. $300,000.

O., Louisville—MILL—Hiner Structural Steel Co., Canton Bldg., Canton, plans 1 story, 60 x 150 ft. brick and steel addition, here. $50,000. G. L. Hiner, pres.

O., Mansfield — FACTORY — Vitreous Enameling Co., Mansfield, plans new factory addition. $40,000.

O., Newark—FACTORY—Pharis Tire & Rubber Co., plans 2 story, 60 x 200 ft., brick, steel and concrete addition. $50,000.

O., Zanesville—FACTORY—Pittsburgh Plate Glass Co. plans factory, White Cottage St. $100,000.

Ind., Muncie — INDUSTRIAL — Hemingray Glass Co., 8th and Macedonia Ave., had plans prepared 1 story and basement 60 x 250 ft., steel, plain foundation. $40,-000. F. J. Lesh, aud. in charge.

Ind., South Bend—SPRING FACTORY—Studebaker Corp., had plans prepared by A. Kahn, 100 Marquette Bldg., Detroit, Mich., 1 story, 124 x 382 ft., brick and steel, plain foundation.

Mich., Detroit — PLANT — E. G. Budd Mfg. Co., 25th and Hunting Park, Phila., Pa., plans 4 story, 100 x 725 ft. plant, Charlevoix Ave., here. $1,500,000.

Wis., Alaska (mail Kewanee)—CHEESE FACTORY and CREAMERY — Alaska Dairy Assn. plans rebuilding 2 story and basement, 46 x 82 ft., brick and concrete factory and creamery. $40,000. Private plans.

Wis., Janesville — COMPOUNDING PLANT—Champion Oil Co., 1232 Western Ave., plans 1 story and basement, 77 x 120 ft., brick and concrete, plain foundation. $50,000. Engineer and architect not selected.

Wis., Kaukauna — CANNERY — W. C. Sullivan, and others, Central Blk., organizing new company which plans 2 and 3 story, brick and timber cannery. $100,-000. Engineer and architect not selected.

Wis., Marshfield — FACTORY — L. F. Diddle, having plans prepared by F. Felhofer, Marshfield, 2 story and basement, 50 x 82 ft., brick factory. $40,000.

Wis., Two Rivers — FACTORY and WAREHOUSE — Aluminum Goods Mfg. Co., Manitowoc, making plans 5 story, 56 x 75 ft., and 75 x 148 ft. factory, etc., here. $200,000. Lockwood, Greene & Co., 400 North Michigan Ave., Chicago, Ill., engrs.

Ia., Des Moines — FACTORY — Rollins Hosiery Mills, East 28th and Dean Sts., having preliminary plans prepared by Lockwood, Greene & Co., 400 North Michigan Ave., Chicago, Ill., 1 story, 100 x 100 ft., brick and steel factory. $40,000.

Minn., Minneapolis — MILK DISTRIBUTION PLANT — Twin City Producers Assn., 2395 University Ave., St. Paul, having plans prepared by M. W. Johnson, 5516 Lyndale Ave. S, 1 story and basement, 100 x 135 ft., rein.-con. and brick, Western and Dupont Aves. $60,000.

Mo., Kansas City—PACKING PLANT—Neuer Bros. Meat Co., 1326 Main St., purchased site and plans 4 story and basement, 150 x 190 ft., rein.-con., plain foundation, 25th and Jefferson Sts. Engineer and architect not selected.

Tex., Arlington — LIGHT PLANT — City, c/o H. M. Moore, mayor, having plans prepared new light plant. $40,000. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Tex., Edinburg—CANNING PLANT—Farmers Canning Co. plans 1 and 2 story, rein.-con. and brick, plain foundation. $50,-000. Engineer and architect not selected.

Tex., Edinburg—CANNING PLANT—Rio Grande Valley Canning Co. plans concrete and brick plant. $40,000. J. W. Smith, vice pres. Private plans.

Tex., San Antonio—COFFEE PLANT—San Antonio Coffee Co., 402 Burnet St., M. Holland, pres., having preliminary plans prepared 1 and 2 story, rein.-con., brick and

RELOCATION OF HIGHWAYS—WANAQUE, N. J.

Bids were opened by North Jersey District Water Supply Comn., 20 Clinton St., Newark (lowest three) Sept. 3, for relocation of highways at Wanaque Reservoir (A) P. Naples & Co., Inc., 118 Jefferson St., Passaic (awarded contract); (B) Consolidated Engineering Co., Baltimore, Md.; (C) S. J. Groves & Sons Co., Duncannon, Pa. The unit bids are as follows:

	A	B	C
120,000 cu.yd. earth excavation	$0 75	$0 73	$0 85
41,000 cu.yd. rock excavation	2 25	2 50	2 85
100,000 cu.yd. borrow	75	73	85
7,500 cu.yd. riprap	1 50	1 50	1 50
200 cu.yd. surface dressing and grassing	1 50	3 75	2 50
2,000 cu.yd. concrete masonry	5 00	16 00	20 00
50 cu.yd. reinforced concrete	5 50	20 00	22 00
300 cu.yd. rubble masonry and paving	6 00	7 00	14 00
100 cu.yd. sand, gravel and broken stone	4 00	3 00	3 00
15,000 sq.yd. gravel pavement	85	85	80
3,000 bbl. cement	3 71	3 00	3 25
2,000 lb. steel for reinforcing concrete	0425	06	10
1,000 lb. cast iron, wrought iron and steel	06	10	10
2 M. ft. B.M. timber and lumber	80 00	135 00	75 00
6,000 lin.ft. guard rail	2 00	90	75
100 lin.ft. 18-in. reinforced concrete pipe	4 00	3 00	3 25
200 lin.ft. 24-in. reinforced concrete pipe	4 60	4 50	4 75
300 lin.ft. 30-in. reinforced concrete pipe	6 35	6 50	7 00
400 lin.ft. 36-in. reinforced concrete pipe	7 35	8 20	8 50
550 lin.ft. 42-in. reinforced concrete pipe	10 79	10 00	12 00
Extended totals	$329,560	$350,070	$401,275

Buildings—Industrial (Continued)

tile, plain foundation, along Southern Pacific Ry. tracks. $100,000. Engineer and architect selected soon.

Tex., Victoria — COTTON MILL — Victoria Cotton Mills Co., P. M. Keller, genl. mgr., c/o Belton Cotton & Yarn Mills, Belton, takes bids about Dec. 1, 1 and 2 story, rein.-con., brick and stone, plain foundation. $300,000. Private plans. Noted July 23.

Okla., Bristow—LIGHT PLANT—City making preliminary plans new 1,000 hp. Diesel engine electric light plant. $100,000. M. Morrison, mayor. Engineer and architect not selected.

Okla., Muskogee—PLANT—Continental Oil Co., Continental Oil Bldg., A. Southworth, supt., plans distributing plant, incl. office, garage, pumps, steel, oil tanks, etc. $300,000. Private plans.

Okla., Tulsa—ICE CREAM FACTORY—Purity Ice Cream Co., 310 West 1st St., making plans 2 or 3 story and basement, 100 x 130 ft., rein.-con., brick and stone factory. $250,000. Private plans. Noted Aug. 20.

Nev., Reno—ICE and COLD STORAGE PLANT—Union Ice Co., 354 Pine St., San Francisco, Calif., plans approximately 100 x 120 ft. plant, here. $200,000.

Calif., Oakland — WAREHOUSE COLD STORAGE — City plans election $500,000 bonds, waterfront warehouse and cold storage plant.

Calif., Pasadena—WAREHOUSE—Pasadena Ice Co., Pasadena, had plans prepared by Hamm & Grant, Inc., 607 Ferguson Bldg., Los Angeles, 82 x 112 ft. cold storage warehouse, South Bway. $60,000.

Calif., San Francisco—PLANT—Electric Storage Battery Co., 1536 Bush St., had plans prepared by H. H. Meyers, Kohl Bldg., 1 and 2 story, rein.-con., 3rd St. near Paul Ave. $125,000. Noted Sept. 10.

Ont., Aylmer—GARAGE, etc.—L. Harvey plans remodeling garage and auto repair shop. $40,000.

Ont., Bracebridge—PLANING MILL, etc. —J. T. Shier plans rebuilding planing mill and woodworking plant, recently destroyed by fire. $30,000 loss.

Ont., Port Elgin—SAW MILL—C. Maas plans rebuilding saw and shingle mills, recently destroyed by fire. $20,000 loss.

BIDS DESIRED

Mass., Atlantic (Ind. br. of Boston) — CABINET SHOP—Norfolk Woodworking Co., Braintree, taking bids 1 story, 140 x 260 ft., rein.-con. and steel, wood pile foundation. $200,000. L. S. Joslin, 339 Newbury St., Boston, archt. Noted Sept. 10.

Mass., Cambridge (Boston P. O.) — REPAIR and GARAGE — Massachusetts Wharf Coal Co., 30 Kilby St., Boston, taking bids 1 story, 77 x 164 ft., rein.-con., brick and stone, Harvard and Main Sts. $50,000. W. E. Cotter, 12 Harvard St., archt.

Mass., Gardner—REPAIR and SERVICE GARAGE—S. Bajonski taking bids 2 story, 85 x 100 ft., rein.-con., brick and steel, repair and service garage. $85,000. A. J. Smith, 142 Lunenberg St., Fitchburg, archt. Noted Sept. 24.

Mass., Newton (Ind. br. of Boston) — MACHINE SHOP — See "Contracts Awarded."

Mass., Newton (Ind. br. Boston) — MANUFACTURING — See "Contracts Awarded."

Mass., Milford—PLANT—Milford Electric Light & Power Co., 241 Main St., taking bids 2 story and basement, 45 x 68 ft., rein.-con. and brick addition. $40,000. E. L. Rawson, 6 Beacon St., Boston, archt. Noted Oct. 15.

Conn., Hartford—FACTORY—See "Contracts Awarded."

N. J., Camden—FACTORY—Oct. 26, by C. E. Wunder, archt., 1520 Locust St., Phila., Pa., 2 story and basement, 87 x 145 ft., rein.-con. and brick addition, plain foundation, 1643-47 Haddon Ave., for Acme Staple Co.

Pa., Pittsburgh—STEEL PLANT—See "Contracts Awarded."

Mich., Detroit—GARAGE and SERVICE STATION—Oct. 30, by Weston & Ellington, archts., 1507 Stroh Bldg., 3 story and basement, 160 x 198 ft., rein.-con., Smith and Noble Sts., for Detroit City Gas Co., Clifford St. and Bagley Ave. $150,000. Noted Sept. 17.

Wis., Loyal — CANNERY — See "Contracts Awarded."

Tex., Dallas—ICE PLANTS—See "Contracts Awarded."

CONTRACTS AWARDED

Mass., East Braintree (mail Braintree)—REPAIR and SERVICE GARAGE—City Service Refining Co., 2 story, 54 x 100 ft., rein.-con. and brick, Quincy St., to Clark & Smith, 13 Temple St., Quincy. Archts. est. $45,000.

Mass., Dorchester (Boston P. O.) — FACTORY — Thompson Wire Co., 42 Mildred Ave., altering and constructing 1 story, rein.-con. brick and steel addition, to R. Gibson & Son, 65 Long Wharf St., Boston. Archts. est. $40,000. Noted Oct. 7.

Mass., Framingham—FACTORY—Manufacturing Equipment & Eng. Co., Marble St., 1 story, 60 x 200 ft., brick and steel addition, to McNally Building Co., Inc., Concord St. Archts. est. $50,000. Noted June 26.

Mass., Holyoke — HOSIERY MILL — Holyoke Silk Hosiery Co., Sargent St., 3 story, 60 x 120 ft., brick and timber addition, to M. J. Walsh & Son, 1412 Dwight St. Archts. est. $75,000.

Mass., Newton (Ind. br. Boston) — MACHINE SHOP — Newton Machine Screw Co., 19 Crafts St., Newtonville, will build 1 story, 40 x 100 ft., brick and steel, 227 California St. Work will be done by separate contracts. Private plans.

Mass., Newton (Ind. br. Boston) — MANUFACTURING — Newton Wool Scouring Co., California St., will build 1 story, 65 x 125 ft., rein.-con. and steel addition, by day labor. $40,000. Private plans.

Mass., Quincy (Boston P. O.)—REPAIR GARAGE and SERVICE STATION — A. Pompeo, 24 Curtis St., 1 story, 75 x 180 ft., rein.-con. and steel, to Truscon Steel Co., 147 Summer St., Boston. Archts. est. $55,000.

Mass., South Boston (Boston P. O.) — PLANT — Hunt-Spiller Mfg. Corp., 383 Dorchester Ave., 1 story, rein.-con. and brick addition, to C. A. Dodge Co., Erie and Albany Sts., Cambridge. Archts. est. $40,000.

Mass., South Hadley — PAPER MILL — Amer. Tissue Paper Co., B. S. Perkins, mgr., 1 story, 60 x 105 ft., rein..-con. addition, Pearl City Sect., to D. O'Connell's Sons, 480 Hampden St., Holyoke. Archts. est. $40,000.

R. I., Providence—FACTORY—W. H. Coe Mfg. Co., 74 Weybosset St., 2 story, rein.-con. and brick, Clifford and Ship Sts., to O. D. Purington & Co., 605 Hospital Trust Bldg. Archts. est. $40,000 or more. Noted Oct. 15.

Conn., Hartford — FACTORY — Spencer Turbine Co., 484 New Park Ave., will build 2 story, 43 x 152 ft., brick, by day labor. $50,000. Buck & Sheldon, 60 Prospect St., archts. Noted Sept. 17.

N. Y., Hudson—STORAGE—Canada Dry Ginger Ale Co., 1 story, 243 x 243 ft., brick and timber, to F. T. Ley Co., Inc., 499 Main St., Springfield, Mass. Noted Aug. 7.

N. J., Blackwood — FACTORY — Blackwood Full Fashion Silk Hosiery Co., 1 story, 52 x 242 ft., rein.-con. and brick, plain foundation, to W. F. Lotz, 4644 Frankford Ave., Phila., Pa. Archts. est. $50,000.

N. J., Florence — FOUNDRY — Florence Pipe, Foundry & Machine Co., rein.-con., brick and steel addition, plain foundation, to Austin Co., 217 Bway., New York City. Archts. est. $100,000.

Pa., McKees Rocks—LACQUER—Pittsburgh & Lake Erie R.R. Co., Smithfield St., Pittsburgh, 2 story, irregular shaped lacquer building, here, to Walker & Curley, Sharpsburg. Archts. est. $40,000.

Pa., Pittsburgh — SLAG CRUSHING PLANT—Clinton Iron & Steel Co., West Carson St., 250 ton slag crushing plant, steel, to J. Eichleay Co., Jr., 45 South 20th St. Engrs. est. $50,000.

Pa., Pittsburgh—STEEL PLANT—Pittsburgh Crucible Steel Co., Oliver Bldg., will build 1 story steel plant addition, 31st and Smallman Sts. Work will be done by separate contracts. Fabrication and erection of 1,600 tons steel, to Amer. Bridge Co., (known as Parks-Crucible Steel Co.) Frederick Blk.

Md., Baltimore—BAKERY—General Baking Co., 342 Madison Ave., New York City, N. Y., 2 story and basement, 239 x 263 ft., rein.-con., brick and steel, Harford and North Aves., here, to C. L. Stockhausen Co., Gay and Water Sts., $600,000. Former contract rescinded. Noted Oct. 8.

La., New Orleans—FACTORY—Haspel Bros., additional unit to factory, Bernard and Low Sts., to L. Delarosa, Jr., Bolter Bldg., approximately $50,000.

O., Amherst — STONE MILL—Cleveland Stone Co., C. W. Walters, pres., Union Trust Bldg., Cleveland, 1 story, 150 x [illegible] ft., brick, to S. W. Emerson Co., Union Bldg., Cleveland. Archts. est. $100,000.

O., Galion—FACTORY—Rosemaid Garment Co., J. Rose, pres., 2 story and basement, 60 x 140 ft., brick, steel and concrete, to Boldt Constr. Co., 1969 East 70th St., Cleveland. Archts. est. $50,000.

O., Norwood (Ind. br. of Cincinnati) — FACTORY—Amer. Laundry Machine Co., Ross and Section Aves., 2 story, rein.-con. and brick, plain foundation, Section Ave., to Ferro Concrete Co., 3rd and Elm Sts., Cincinnati, $400,000.

Ill., Chicago — FACTORY—International Furniture Co., 2127 South Racine Ave., 4 story and basement, 50 x 116 ft. addition, masonry, to H. J. Jensen, 5050 North Hamlin Ave.; carpentry work, to T. N. Fitzgerald & Co., 500 North Dearborn St. Archts. total est. $100,000. Noted Aug. 13.

Ill., Kankakee—ICE PLANT—Federal Ice & Refrigerator Co., 142nd and Halsted Sts., Blue Island, general contract 1 and 2 story, rein.-con. and brick, here, to Blome-Sinek Co., 76 West Monroe St., Chicago. Archts. est. $300,000.

Wis., Loyal—CANNERY—Lomira Canning Co., Lomira, will build 2 story, brick, cannery, plain foundation, by day labor. $40,000. Private plans.

Wis., Marshfield — FACTORY — G. A. Krasin, archt., Central Ave., 2 story and basement, brick and timber addition, plain foundation, to Krasin Bros., 151 South Central Ave., for Wisconsin Butter Tub Co., West 9th St. Archts. est. $40,000. Noted Oct. 1.

Wis., Oshkosh — FACTORY — Wisconsin Parts Co., 571 High St., 1 story, 62 x 185 ft., brick addition, plain foundation, to B. Ganther Co., 117 Main St. Archts. est. $50,000.

Mo., Kansas City—BAKERY—Campbell Baking Co., 30th St. and Troost Ave., 2 and 3 story and basement, 150 x 190 ft., rein.-con., brick, steel and terra cotta, 30th St. and Troost Ave., to Fogel Constr. Co., 619 Reliance Bldg. Archts. est. $425,000.

Mo., St. Joseph — BREW and MILL HOUSE — M. K. Goetz Brewing Co., 6th and Albemarle Sts., 5 story and basement, brew and mill house, to E. H. Lawton Constr. Co., 905 Edmund St. Archts. est. $75,000.

Tex., Dallas—ICE PLANTS—Amer. Ice Co., c/o C. E. Kennemer, pres. and mgr., 4901 Cole Ave., will build two 1 story ice plants, rein.-con., brick and steel, one at 3305 Lemmon Ave., and other at 4111 Ross Ave., by day labor. $45,000 and $40,000 respectively. Engineer not announced.

Tex., Kingsville—ICE and COLD STORAGE PLANT—Kingsville Ice Co., c/o S. M. Udden, 1020 Frost Bank Bldg., San Antonio, 90 ton capacity ice plant and 14,000 ton capacity cold storage building, brick, stone and rein.-con., to Sumner Sollit Co., 609 Natl. Bank of Commerce Bldg., San Antonio, $43,000.

Calif., Oakland—FACTORY—Laher Auto Spring Co., 714 East Pike St., Seattle, Wash., 1 story factory, 26th and Magnolia Sts., to Austin Co. of California, 244 Kearny St., San Francisco, $43,000.

Calif., Oakland — LAUNDRY, etc. — Yosemite Laundry Co., 4627 Grove St., 1 story laundry and 1 story power plant, brick, concrete and steel, Adeline and 28th Sts., to H. J. Christensen, 505 17th St., $45,677.

Calif., Redwood City—CANNERY—Silver Gate Industries, Inc., 1 story, 120 x 150 ft., rein.-con., State St., to O. E. Evans & Co., Pacific Bldg., San Francisco, $40,000.

Buildings—Commercial

PROPOSED WORK

Mass., Amesbury — HOSPITAL — Amesbury Hospital Assn., c/o Kendall, Taylor & Co., archts., 142 Newbury St., Boston, having sketches made 2 story and basement, brick hospital. $200,000 or more.

Mass., Boston — APARTMENT — V. H. Carpenter, 31 Bay State Rd., plans 6 story and basement, brick and stone, 99 Bay State Rd. $150,000. Engineer and architect not selected.

Mass., Boston—DORMITORY—Y. M. C. A., 316 Huntington Ave., plans to raise $250,000 funds for brick addition. Engineer and architect not selected.

Mass., Boston — HOTEL — Y. M. C. A., A. S. Johnson, pres., 316 Huntington Ave.,

Buildings—Commercial (Continued)

plans to raise $1,000,000 funds for hotel. Engineer and architect not selected.

Mass., Boston—HOTEL—J. R. Whipple Corp., C. M. Hart, pres., Hotel Touraine, having plans prepared by Desmond & Lord, 1 Beacon St., 10 story and basement, rein.-con., brick and steel, Tremont and School Sts. To exceed $1,000,000.

Mass., Boston — OFFICE — Amer. Unitarian Assn., J. L. Cornich, pastor, 25 Beacon St., having sketches made by Putman & Cox, 114 State St., 5 story and basement, brick, 32 Beacon St. To exceed $150,000.

Mass., Cambridge (Boston P. O.)—SUB-STATION—Cambridge Electric Light Co., M. Strout, in charge, having plans prepared 1 story brick, Blackstone St. $50,000. D. E. Badger, c/o owner, engr.

Mass., Chelsea (Boston P. O.)—STORE and OFFICE—M. H. Kramer, 11 Beacon St., having plans prepared by S. S. Eisenberg, 46 Cornhill St., Boston, 3 story and basement, 65 x 105 ft., brick and stone, 461 Bway. $150,000.

Mass., Dorchester (Boston P. O.)—Y. M. C. A., 316 Huntington Ave., Boston, plans raising $500,000 funds for building, here. Engineer and architect not selected.

Mass., Lynn—APARTMENT—B. Bloom & B. Risman, 106 Newhall St., having plans prepared by G. A. Cornet, 10 Central St., 4 story and basement, brick and stone, Ocean Park. $150,000.

Mass., Malden (Boston P. O.) — MAIL ORDER — Perry Pictures Co., 42 Dartmouth St., having plans prepared by Newhall & Blevins, 9 Park St., Boston, 3 story and basement, rein.-con and brick, 116-118 Mountain Ave. $150,000.

Mass., Revere — LODGE — B. P. O. E. plans 3 story, brick addition, Revere St. $150,000. Engineer and architect not selected.

Mass., Swampscott (Ind. br. of Lynn)—HOTEL — W. H. Rendle, 76 Crest Ave., Winthrop, plans 6 story and basement, brick, Humphreys St. To exceed $150,000. Engineer and architect not selected.

Mass., Worcester—THEATRE—H. Steinberg, c/o E. W. Norton, archt., 44 Pearl St., having plans prepared brick and steel, Elm St. $600,000.

R. I., Woonsocket—CITY HALL—City, Dept. Pub. Buildings, plans city hall. To exceed $150,000. Engineer and architect not selected.

Conn., Bridgeport—GARAGE, SERVICE and SALES—Mack Motor Co., 561 Washington St., New York City, had plans prepared brick and steel, Ash Creek, here. $150,000. Private plans.

Conn., Hartford—OFFICE—Aetna Fire Insurance Co. plans 3 story, brick and brownstone, Woodland St. To exceed $150,000.

Conn., Middletown—BANK—Middletown Natl. Bank plans bank, Main and Court Sts. $150,000.

Conn., Stamford — APARTMENT — Realty Impvt. Co., c/o A. S. Meloy, archt., 2965 Main St., Stratford, having revised plans prepared 3 story and basement, 80 x 120 ft., brick and steel, Atlantic St. $150,000. Noted July 30.

N. Y., Brooklyn—HOSPITAL—Bushwick Hospital, Howard Ave., plans brick, steel and stone addition, plain foundation. $300,000. Engineer and architect not selected.

N. Y., New York—APARTMENT—Two Hundred Forty-Three West 17th St. Corp., c/o G. A. Bagge & Sons, archts. and engrs., 157 East 44th St., having plans prepared 9 story, 85 x 97 ft., brick, steel and stone, plain foundation, 241 West 17th St. $500,000.

N. Y., New York — APARTMENT — G. Halpern, c/o C. Kreymborg & Son, archts., 2534 Marion Ave., having plans prepared 6 story, 90 x 100 ft., brick, steel and stone, plain foundation, Sheridan Ave. $165,000.

N. Y., New York—APARTMENT—I. S. Haynes, c/o H. C. Pelton, archt., 151 West 42nd St., having plans prepared 15 story, brick, steel and stone, plain foundation, Park Ave. $700,000.

N. Y., New York—APARTMENT—Casretta & Sons, Inc., c/o L. Pisciotta, archt. and engr., 563 East Tremont Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, 208th St. and Steubin Ave. $250,000.

N. Y., New York — APARTMENT — Zehngebot Bros. Realty Co., c/o G. G. Miller, archt. and engr., 1482 Bway., having plans prepared two 6 story, 88 x 112 ft., brick, steel and stone, plain foundations, Bryant Ave. $150,000 each.

N. Y., New York — HOTEL — Forty-Seventh St. & Lexington Ave. Corp., J. J. Hearn, pres., c/o F. S. Nute, archt., 250 West 88th St., having plans prepared 15 story, 55 x 100 ft., brick, steel and stone, plain foundation, Lexington Ave. and 47th St. $600,000.

N. Y., New York—HOTEL—R. M. Silverman, c/o G. and E. Blum, archts. and engrs., 507 5th Ave., having plans prepared 23 story, 80 x 97 ft., brick, steel and stone, plain foundation, 98th St. and West End Ave.

N. Y., New York—OFFICE—J. Forsythe Co., 348 Madison Ave., having plans prepared by F. E. Hahn, archt. and engr., 1440 Bway., 15 story, brick and steel, plain foundation, Madison Ave. and 49th St. $350,000.

N. Y., New York—THEATRE—Jerome Exhibition Corp., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., having plans prepared 1 story, brick, steel and stone, plain foundation, Jerome Ave. $250,000.

Pa., Johnstown—STORE—Glosser Bros. Dept. Store, c/o D. Glosser, pres., Franklin and Locust Sts., plans 5 story and basement, 66 x 138 ft., brick and concrete, Franklin and Washington Sts., to be connected with present structure with second story alleyways. $250,000. Engineer and architect not selected.

Pa., Pittsburgh — STORE and APARTMENT — H. S. Swartz, c/o R. H. Van Ormer, archt., 619 Homewood Ave., having plans prepared 3 story and basement, 85 x 100 ft., brick and steel, 2nd and Trenton Sts. $150,000.

Pa., Reading — OFFICE — Metropolitan Edison Co., 18 South 5th St., having plans prepared by M. Heilman, c/o owner, rein.-con. and steel, plain foundation, South 7th St. $750,000.

Pa., Washington—BANK and OFFICE—Washington Trust Co., having plans prepared by Hopkins & Dentz, 415 Lexington Ave., New York City, 11 story and basement, 41 x 84 ft., granite, brick and steel addition. $360,000.

D. C., Wash. — BANK — Bank of Commerce & Savings, having revised plans prepared by Milburn, Heister & Co., 710 14th St. N. W., for bank building, 7th and E Sts. N. W. Noted Aug. 6.

D. C., Wash.—ORPHAN ASYLUM—St. Josephs Orphan Asylum having plans prepared by Milburn, Heister & Co., 710 14th St. N. W., for orphan asylum. $200,000.

N. C., Raleigh—OFFICE—North Carolina Cotton Growers Co-Operative Assn. plans office building. U. B. Blalock, c/o owner, genl. mgr.

Miss., Pass Christian — HOTEL — Edgewater Beach Co., 5452 Bway., Chicago, Ill., soon takes bids 8 story, 40 x 500 ft., rein.-con., brick and stone hotel, incl. swimming pool, etc. on Gulf Beach, here. B. H. Marshall, 721 North Michigan Ave., Chicago, Ill., archt. Noted Aug. 27.

La., New Orleans—AUDITORIUM—See "Unclassified."

La., New Orleans—WAREHOUSE—Lilly Eli & Co., having plans prepared by Favrot & Livaudais, archts., Hibernia Bldg., 4 story, rein.-con. and brick, Camp and Capdeville Sts.

Tenn., Athens — HOTEL — G. F. Lockmiller, Citizens Natl. Bank Bldg., plans modern hotel. $150,000.

O., Canton—LODGE—Eagles Home Co. plans 3 story and basement, 90 x 110 ft., brick, steel and stone, Market and 6th Sts. $350,000. L. H. Van Horn, 1109 Garfield Ave. N. W., and E. E. Bender, Massillon Rd., et al., incorporators.

O., Cleveland — APARTMENT — M. Shapiro, c/o M. Altschuld, archt., 5116 Woodland Ave., having plans prepared. 2 story and basement, 80 x 100 ft., brick and timber apartment. $150,000.

O., Cleveland — APARTMENT — W. P. Yelsky, 1515 Glenmont Ave., having plans prepared by M. Altschuld, 5116 Woodland Ave., 3 story and basement, 79 x 109 ft., brick and timber apartment. $150,000.

O., Cleveland—HOTEL—Superior Hotel Co., c/o Morris & Weinberg, archts., 3608 Euclid Ave., having preliminary plans prepared 9 story and basement, 66 x 145 ft., brick, steel and concrete, 426 West Superior Ave. $500,000.

O., Marion — OFFICE and LODGE — Canby Holding Co., plans 6 story, office and lodge, State St. $250,000.

O., Medina — HOSPITAL — City, plans hospital. $150,000.

O., Steubenville—THEATRE—S. Manaf, Steubenville, plans theatre on site of old city hall. $250,000.

O., Youngstown — EXCHANGE — Ohio Bell Telephone Co., C. P. Cooper, vice pres., 4300 Euclid Ave., Cleveland, having plans prepared by F. A. Ward, 4300 Euclid Ave., Cleveland, 2 story, brick, steel and concrete, La Belle Ave., here. $200,000.

Mich., Detroit—APARTMENT—R. Finn, archt., 415 Brainard St., preparing plans 4 story and basement, 150 x 160 ft., rein.-con. and steel apartment. $1,000,000. Owner's name withheld.

Ill., Chicago — APARTMENT — C. F. Henry, 7455 Greenview Ave., plans 5 story, rein.-con., brick and steel, on 118 x 120 ft. site, Margate Terrace near Sheridan Rd. $400,000. Engineer and architect not selected.

Ill., Chicago — CLUB and STORE — Michaelsen & Rognstod, archts., 3815 West Congress St., soon take bids 13 story and basement, 122 x 140 ft., rein.-con., brick, terra cotta, granite and steel, Madison St. and Hamlin Ave., for West Side Athletic Club, c/o architects. Bids for foundation of above at once. Archts. est. $1,500,000. Hooper & Janiuch, 879 North State St., engrs.

Ill., Chicago—OFFICE—Denford Building Corp., 105 West Monroe St., plans 16 story and basement, 90 x 108 ft. office building, Clark St. near Monroe St. $3,000,000. Engineer and architect not selected.

Ill., Chicago — STORE, OFFICE and APARTMENT—H. Zisook, 1249 East 55th St., having plans prepared by T. R. Bishop, 35 South Dearborn St., 3 story, 180 x 213 ft. building, 75th St. and Exchange Ave. $500,000.

Ill., Chicago—THEATRE and STORE—J. Eberson, archt., 212 East Superior St., soon takes bids 125 x 305½ ft., rein.-con., brick, steel and terra cota, 79th St. and Cottage Grove Ave., for A. Karzas, 853 East 63rd St. $3,000,000.

Ill., Chicago—THEATRE, OFFICE and STORE—Syndicate, c/o M. Wolback, 105 South Dearborn St., had plans prepared by B. Marshall, Wilmette, theatre, North Michigan Blvd. and East Ohio St. $3,000,000.

Wis., Fond du Lac—HOTEL—M. Tullgren & Sons, archts., 425 East Water St., Milwaukee, soon take bids 8 story and basement, brick and concrete addition to Hotel Retlow, plain foundation, here, for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. $200,000. Noted Aug. 20.

Wis., Milwaukee — HOTEL — Republic Building Corp., 530 Grand Ave., having plans prepared by M. Tullgren & Sons, 425 East Water St., 4 story and basement, 50 x 150 ft., brick and concrete, plain foundation, Wells St. $200,000.

Wis., Milwaukee — THEATRE — Saxe Amusement Enterprises, 530 Grand Ave., plans remodeling and constructing 2 story, brick and concrete addition, plain foundation, Kinnickinnic Ave. $150,000. Engineer and architect not selected.

Wis., Wauwatosa — THEATRE and BUSINESS—C. C. Gilles, 331 61st St., organizing new company which is having preliminary plans prepared by J. Topzant, 144 Oneida St., Milwaukee, 2 story and basement, brick and concrete, plain foundation, West Main St. $300,000.

Ia., Cedar Rapids — HOTEL — First Avenue Realty Co., W. K. Wisner, secy. and treas., 2 Waterhouse Blk., having plans prepared by J. W. Fitzpatrick, archt., Chicago, Ill., and N. Hatton, associated archt., Cedar Rapids, 8 story and basement, 140 x 140 ft., Indiana limestone, brick and terra cotta, 1st Ave. and 2nd St. E. $800,000.

Ia., Des Moines—APARTMENT— Westbury Arms Co., c/o F. C. Waterbury, 136 East Locust St., having plans prepared by W. D. Holtzmann, Jr., 502 Commonwealth Bldg., 8 story and basement, 95 x 100 ft., rein.-con., brick and stone, 19th St. and Ingersoll Ave. $600,000. H. W. Hartupee, 204 Masonic Temple, engr.

Minn., Minneapolis—HOTEL—Tenth St. Holding Co., c/o I. S. Whitman, 932 Hennipen Ave., having plans prepared by C. J. Bard, 529 2nd Ave. S., 6 story and basement, rein.-con. and brick, 5th Ave. S. and 10th St. $350,000.

Kan., Oberlin—COURT HOUSE— Decatur Co. takes bids about Nov. 1, 2 story and balcony, 70 x 100 ft., rein.-con., brick, stone and terra cotta court house. $150,000. Squires & Ross, 630 Kansas Ave., Topeka, archts. Noted Aug. 27.

Kan., Topeka—BUSINESS—Kansas Life Insurance Co., 701-3 Jackson St., having plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., for office building. $150,000.

Buildings—Commercial (Continued)

Neb., Nebraska City—COURT HOUSE—Otoe Co., L. Stevenson, clk., plans 2 story and basement court house. $200,000. Engineer and architect not selected.

Neb., Omaha — LODGE — Odd Fellows Lodge, 1402 Dodge St., having plans prepared by W. E. Stockham, Sunderland Bldg., 4 story and basement, 64 x 80 ft., rein.-con., brick and steel, 19th and Dodge Sts. $150,000.

Mo., Farmington—COURT HOUSE—St. Francis Co. Court, takes bids about Nov. 30, 3 story and basement, rein.-con., brick and stone courthouse. $250,000. N. B. Howard, International Life Bldg. St. Louis, archt. Noted Sept. 10.

Mo., Springfield — DEPOT — St. Louis & San Francisco Ry. Co., Frisco Bldg., St. Louis, having plans prepared remodeling and constructing 2 story, 77 x 247 ft., stucco and hollow tile addition, Mills and Main Sts., here. $250,000. F. H. Jonah, ch. engr. and archt.

Mo., St. Louis—THEATRE, STORE and APARTMENT — R. Levine, 6951 South Grenn St., Chicago, Ill., soon takes bids 3 story and basement, 137 x 169 ft., rein.-con., brick and stone, Gravois St., here. $750,000. R. Levine Co., 822 West 70th St., Chicago, Ill., archts. Noted June 25.

Mo., University (St. Louis P. O.) — APARTMENT—E. E. Yawitz, 725 Westgate Ave., having preliminary plans prepared 3 story and basement, 100 x 200 ft., rein.-con., brick and stone, 6648-52 Washington Ave. $300,000.

Ark., Fayetteville—HOTEL—A. C. Millar, et al., 221 East Capitol St., Little Rock, having preliminary plans prepared by Seig & McDaniels, 807 Central Bank Bldg., Memphis, Tenn., brick and concrete hotel, Mount Sequoyah St., near here. $300,000.

Tex., San Antonio — AUDITORIUM — City plans election $200,000 bonds additional work on auditorium (now under construction), Jefferson St. Adams & Adams, c/o Builders Exch. Bldg., engrs. and archts. Noted Aug. 20.

Tex., San Antonio—CLUB—San Antonio Casino Club, Market St., having preliminary plans prepared by Kelwood Co., engrs. and archts., Travis Bldg., 6 story and basement, rein.-con. and brick, plain foundation, Market and South Presa Sts. $200,000. Noted July 2.

Tex., San Antonio — OFFICE — W. B. Russ, et al., 1301 Belknap St., having plans prepared rein.-con., brick and stone office for doctors, Camden St. between Main Ave. and Richmand St. $150,000. Phelps & DeWees, Gunter Bldg., engrs. and archts.

Okla., Blackwell—HOTEL—H. F. Ferriman, c/o Chamber of Commerce, making preliminary plans 6 story and basement, 100 x 140 ft., rein.-con. and brick, 1st and Blackwell Aves. $300,000. Engineer and architect not selected.

Okla., Norman—EXCHANGE—Southern Bell Telephone Co., R. J. Benzel, genl. mgr., plans 2 story, fireproof building. $150,000.

N. M., Artesia—HOTEL—Chamber of Commerce, C. Russell, pres., plans 4 story and part basement, 50 room, fireproof, Main St. $150,000. Engineer and architect not selected.

Calif., Fresno—COURTHOUSE—Fresno Co. defeated $350,000 bonds, for courthouse annex. Noted Sept. 10.

Calif., Fresno—HOSPITAL—Fresno Co. defeated $150,000 bonds, for tubercular hospital. Noted June 11.

Calif., Glendale — TEMPLE — Glenale Masonic Temple Assn., having plans prepared by A. G. Lindley, 800 Amer. Bank Bldg., Los Angeles, 5 story, 100 x 120 ft. rein.-con., Maple St. and Central Ave. $300,000.

Calif., Los Angeles — HOTEL — E. R. Rockwell, 742 South Hill St., had plans prepared by S. Dunford, 616 Lincoln Bldg., 2 story, 41 x 52 ft., with 4 wings, Cathay Vista and Eulalio Blvd. $400,000.

Calif., Los Angeles—STORE and LOFT—Kay & Burbank Co., Inc., 1101 Figueroa St., had plans prepared by M. E. Durfee, 208 Chapman Bldg., 3 story, 107 x 153 ft., store and loft building, 1714 South Hope St. $150,000.

Calif., Los Angeles—STORE and OFFICE — Quimby Corp., Metropolitan Theatre Bldg., had plans prepared by Meyer & Holler, Wright-Callendar Bldg., 13 story and basement, 60 x 106 ft., rein.-con., 7th and Grand Aves. $1,000,000. Noted June 11.

Calif., Los Angeles—STUDIO BUILDING—Edwards & Wildey, having plans prepared by Walker & Eisen, 701 Great Republic Bldg., 12 story and basement, 86 x 116 ft., rein.-con., 7th and Lebanon Sts. $600,000.

Calif., Los Angeles — WAREHOUSE — Challenge Cream & Butter Assn., 1219 South San Pedro St., having plans prepared by C. F. Plummer, 1108 Story Bldg., 2 story (ultimately 4 story) and basement, 93 x 240 ft., 2nd and Vignes Sts. $150,000.

Calif., Oakland—HOTEL—Ford Realty Co., 381 Bush St., San Francisco, had plans prepared 5 story and basement, concrete, 22nd and Grove Sts. $150,000. Private plans.

Calif., Oakland—OFFICE and STORE—M. I. Diggs, 17th and Telegraph Ave., soon takes bids 14 story and basement, 16th St. and Telegraph Ave., for Latham Square Corp. $1,000,000. Noted July 2.

Calif., Oakland — TEMPLE — Mystic Shrine of Oakland, having plans prepared by Reed & Cortlett, Bank of Savings Bldg., Shrine Temple, 13th St. $300,000. Noted May 28.

Calif., Richmond—BANK and STORE—Mercantile Trust Co., plans 3 or 4 story, brick, 10th St. and MacDonald Ave. $150,000. Engineer and architect not selected.

Calif., Sacramento—BANK—California Natl. Bank, having plans prepared by L. F. Starks, Ochsner Bldg., 3 or 4 story and basement, steel and concrete 17th and J Sts. $300,000.

Calif., San Francisco—APARTMENT—T. Hamill & R. G. Hall, Inc., 6140 Geary St., had plans prepared by C. A. Meussdorffer, Humboldt Bank Bldg., 8 story and subbasement, steel and rein.-con., Jackson and Steiner Sts. $225,000.

Calif., San Francisco—HOSPITAL—Shea & Shea, archts., 454 Montgomery St., take bids about Nov. 5, 5 story and basement, rein.-con. annex, Hayes and Stanyan Sts., for St. Marys Hospital. $800,000. Noted Aug. 7.

Calif., San Francisco—HOTEL—Interests represented by C. E. Blanchard, 445 Miramar Ave., plan hotel on Pacific Ocean frontage. $1,500,000.

Calif., San Francisco — HOTEL — Weeks & Day, archts., California Insurance Bldg., soon takes bids 15 story and basement, brick and terra cotta, Mason St. between Pine and California Sts., for California-Mason Realty Co., c/o architects; steel, to Dyer Bros., 17th and Kansas Sts. $2,500,000 or more.

Calif., San Francisco—OFFICE—Hunter, Dulin & Co., 256 Montgomery St., plans 25 story office building, Sutter and Montgomery Sts. $5,000,000. Engineer and architect not selected.

Calif., San Francisco—STORE and LOFT—H. Lesser, A. Aronson, et al., 58 2nd St., had plans prepared by Ashley & Evers, Holbrook Bldg., 10 story and basement, rein.-con., 4th St. $1,000,000.

Calif., San Jose—THEATRE—V. A. Benson, c/o Binder & Curtis, archts., 35 West San Carlos St., having plans prepared Class "A" theatre, Alameda St. $150,000.

Calif., Santa Barbara — LODGE—Santa Barbara Lodge B. P. O. E. having plans prepared by J. and D. B. Parkinson, 420 Title Insurance Bldg., Los Angeles, 4 story and basement lodge, on 100 x 170 ft. site. $300,000.

Calif., Santa Clara — THEATRE — Rex Theatre Co., having plans prepared by Reid Bros., 105 Montgomery St., San Francisco, rein.-con. theatre, Franklin St. $150,000.

Calif., Stockton—BANK, etc.—Bank of Italy, Bank of Italy Bldg., San Francisco, had plans prepared by H. A. Minton, Bank of Italy Bldg., San Francisco, 9 story and basement, bank, store and office building, Main and Hunter Sts. $300,000. Steel contract to Dyer Bros., Kansas and 17th Sts., San Francisco. Noted June 25.

B. C., Vancouver—THEATRE—J. F. Langer, 43rd St. and Victoria Rd., South Vancouver, plans fireproof theatre, 2,200 seating capacity, Seymour and Granville Sts. $400,000. W. M. Dodd & Co., 199 8th Ave., East Vancouver, archts.

Ont., Hamilton—HOSPITAL—Providence of Ontario, Dept., Pub. Wks., Parliament Bldgs., Ottawa, plans 2 or 3 story, brick and concrete addition to Ontario Hospital, here. $250,000. F. R. Heakes, Parliament Bldgs., Toronto, archt.

BIDS DESIRED

Mass., Belmont (Boston P. O.)—HOSPITAL — Belmont Hospital, Inc., Concord Ave., taking bids 4 story and basement, 50 x 225 ft., brick, plain foundation. $200,000. M. A. Dyer, 1 Beacon St., Boston, archt. Noted Sept. 17.

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Quincy (Boston P. O.)—TEMPLE—Masonic Assn., address Building Com., taking bids 2 story and basement, 80 x 120 ft. brick, Hancock St. $200,000. J. Williams Beals Sons, 185 Devonshire St., Boston, archts. Noted May 28.

Mass., Somerville (br. of Boston) — THEATRE — A. F. Viano, 19 Pauline St., taking bids 2 story, 65 x 119 ft., rein.-con. brick and steel, Elm St. $150,000. J. A. Quirk, 10 Tremont St., Boston archt. Noted June 18.

R. I., Providence — SCHOOL — Rhode Island College, c/o W. R. Walker & Son, archts., 49 Weybosset St., taking bids 3 story and basement, 60 x 200 ft., brick and terra cotta, Gaspee St. $650,000. Noted Oct. 1.

R. I., Woonsocket — CHURCH and SCHOOL—Sacred Heart Parish, c/o A. J. Murphy, archt., 146 Westminster St., Providence, taking bids 1 and 2 story and basement, brick, stone and granite church and school, here. $150,000.

Conn., Stamford—HOTEL—P. Vanech, 416 Main St., taking bids 5 story, 48 x 128 ft., brick and steel, Main St. $350,000. F. Urso, 432 Main St., archt. Noted June 11.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York — COURT HOUSE — Oct. 29, by H. Bruckner, pres. Bronx Boro., Crotona Park, 3rd and Tremont Aves., municipal court house for 1st Dist., Williamsbridge Rd. and Roberts Ave.

N. J., Camden — OFFICE — Oct. 26, by L. B. Rothschild, 215 South Broad St., Phila., 12 story and basement, 42 x 140 ft., rein.-con., brick and steel, concrete pile foundation, Bway. and Cooper St., here, for Wilson Building Corp., 336 Market St. $600,000. Noted Oct. 15.

Pa., Phila. — LODGE — Oct. 28, by H. Mueller, Crozer Bldg., rein.-con., brick, granite and marble, plain foundation, 17-19 North Broad St., for P. O. S. of A., c/o H. V. McFayden. $250,000. Noted Oct. 1.

Md., Baltimore—CLUB—Oct. 28, by C. N. and N. Friz, archts., Lexington Bldg., 5 story and basement, 68 x 110 ft., brick and steel, plain foundation, Saratoga and St. Paul Sts., for City Club Building Co. Munsey Bldg. $500,000. H. F. Doeleman, 507 North Charles St., engr.

D. C., Wash. — HOTEL — Nov. 2, by Milburn, Heister & Co., archts., 710 14th St. N. W., 10 story, 63 x 75 ft., fireproof, 13th and H Sts. N. W., for Cosmopolitan Hotel. Noted Aug. 6.

O., Cleveland — APARTMENT — J. Narosny & S. Libhaber, 11523 Tuscora St., taking bids 3 story and basement, 50 x 116 ft., brick, 1715 East 115th St. $150,000.

O., Cleveland — STORE and APARTMENT — H. Gatin, 1121 East 98th St., taking bids 3 story and basement, 80 x 106 ft., brick and timber, East 138th St. and Glenside Ave. $150,000. M. Weis, 617 Union Bldg., archt.

O., Youngstown — STORE — Dec. 1, by Strouss-Hirshburg, West Federal St., 6 story and basement, 100 x 300 ft., brick and steel or rein.-con., Central Sq. $1,500,000.

Mich., Detroit—WAREHOUSE—Crowley Milner Co., Gratiot and Farmer Sts., taking bids 8 story and basement, 130 x 160 ft. warehouse, Lafayette Ave. Smith, Hinchman & Grylls, 800 Marquette Bldg., archts.

Ill., Chicago—APARTMENT—Nov. 1, by R. S. De Golyer & Co., archts., 307 North Michigan Ave., 15 story and basement, 95 x 125 ft., rein.-con., brick and stone, wood pile foundation, 1320 North State St., for H. O. Stone & Co., 111 West Washington St.; foundation for above, to Hegeman-Harris Co., Inc., 415 North Michigan Ave. Archts. est. $1,500,000. Noted Aug. 20.

Ill., Chicago—STORE and APARTMENT—D. S. Klafter, archt., 64 West Randolph St., taking bids 3 story, 84 x 100 ft., rein.-con., brick and steel, 71st St. and Ridgeland Ave., for J. J. Gibbs, 905 East 63rd St.

Wis., Kenosha—GARAGE and STORAGE—Wisconsin Gas & Electric Co., Pub. Serv. Bldg., taking bids 2 story, 82 x 125 ft., brick, steel and concrete, plain foundation. $150,000. P. M. Adams, c/o owner, archt.

Ark., Russellville — ARMORY and TEXTILE SCHOOL — Oct. 31, by O. M. Young, secy. Building Committee Bd. Trustees of State Agricultural School, 3 story, brick and concrete armory and textile school. $150,000. H. R. Burks, 307 Southern Trust Bldg., Little Rock, archt.

Calif., Altadena (Pasadena P. O.) — HOME—Boys and Girls Aid Society, Altadena Bldg., taking bids 2 story, 133 x 262 ft. main building, 2 story, 114 x 143 ft. hospital, four 1 story, 31 x 196 ft. dormitories, 50 x 54 ft. power house, etc. $300,000. M. Hunt, 1107 Hibernian Bldg., Los Angeles, archt. Noted Sept. 17.

Calif., Los Angeles—THEATRE, STORE and OFFICE—West Coast Theatres, Inc., Knickerbocker Bldg., taking bids 2 story, 135 x 150 ft., rein.-con., Maplewood and Western Aves. $150,000. L. A. Smith, 3rd and Western Aves., archt. Noted Sept. 17.

Calif., Los Angeles — WAREHOUSE — Goodyear Tire & Rubber Co., 6701 South Central Ave., taking bids 4 story warehouse, Central Ave. $150,000. Private plans. Noted Oct. 15.

Calif., Oakland—THEATRE—Trans Bay Theatres, c/o A. A. Cantin, archt., 544 Market St., San Francisco, taking bids theatre, 2,000 seating capacity, Telegraph Ave. $200,000 or more.

Buildings—Commercial (Continued)

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Francisco — HOTEL — See "Contracts Awarded."

Calif., San Francisco—HOTEL—Hyman & Appleton, archts., 68 Post St., taking bids 6 story and basement, rein.-con., Taylor St. near Ellis St., for E. Tropp. $155,000.

Calif., San Jose—BANK and OFFICE—H. A. Minton, archt., Bank of Italy Bldg., San Francisco, taking bids 12 story and basement, bank and office building, 1st and Santa Clara Sts., for Bank of Italy. $900,000. Noted July 23.

BIDS RECEIVED

Calif., Sacramento—AUDITORIUM—City Council, Sept. 17, general contract brick auditorium, from Mathews Constr. Co., Forum Bldg., $524,000; electrical work and plumbing, from Latourette-Fical Co., 709 Front St., $26,464 and $24,500 respectively; heating and ventilating from Hately & Hately, Mitau Bldg., $60,947. Noted Sept. 10.

CONTRACTS AWARDED

Me., Boothbay Harbor — HOTEL — Boothbay Harbor Co., 4 story and basement, 75 x 85 ft., brick and timber, to H. Purrington Co., 95 Temple St., Waterville. Archts. est. $160,000.

Vt., Burlington — BANK — Burlington Trust Co., B. C. Carver, cashier, bank building, Church and College Sts., to Kieslick Constr. Co., 176 College St. Noted Aug. 20.

Vt., St. Johnsbury — THEATRE and STORE — A. Tegu, 1 and 2 story and basement, brick and stone, to J. Bergeron, Keene, N. H. Archts. est. $150,000. Noted Oct. 1.

Mass., Boston—APARTMENT—Owner, c/o J. A. Tuck, archt., 439 Park Sq. Bldg., will build 3 story and basement, 80 x 150 ft., brick, plain foundation, Waumbeck St., by day labor, under supervision of architect. $200,000.

Mass., Boston—HOTEL—Hotel Bellevue, I. Woods, 21 Beacon St., 9 story and basement, 60 x 95 ft., brick, limestone and steel addition, plain foundation, 25 Beacon St., to Boyle Robertson Constr. Co., 370 Commonwealth Ave. Archts. est. $750,000. Noted Oct. 15.

Mass., Cambridge (Boston P. O.) — DORMITORY — Harvard University, Strauss Dormitory, 4 story and basement, 32 x 175 ft., brick and stone, Massachusetts Ave. and Peabody St., to Whidden-Beekman Co., 100 Boylston St., Boston. Archts. est. to exceed $150,000. Noted Aug. 6.

Mass., Dorchester (Boston P. O.) — APARTMENT—J. Morris, 332 West Bway., South Boston, 3 story and basement, brick and timber, plain foundation, Fields Corner Dist., here, to S. Rogers, 332 West Bway., South Boston. Archts. est. $200,000. Noted Oct. 8.

Mass., Greenfield—LODGE—Knights of Columbus, N. Lawler, chn., 7 story, 70 x 130 ft., brick, steel and stone, Federal St., to Thomas Bros. Co., Main St., Turners Falls. Archts. est. $250,000. Noted Aug. 6.

Mass., Marlboro—BANK and OFFICE—Peoples Natl. Bank, S. R. Stevens, pres., 2 story and basement, 30 x 50 x 100 ft., rein.-con. brick, stone and steel, to T. Hurley, Marlboro. Archts. est. $150,000. Noted Oct. 8.

Mass., Maynard — BANK — Maynard Trust Co., Main St., 2 story and basement, brick, stone and granite, plain foundation, Main St., to T. P. Hurley, 196 Main St., Marlboro. Archts. est. $150,000. Noted Oct. 15.

R. I., Providence—BUSINESS—F. B. Strauss, 210 Potter Ave., 3 story and basement, 75 x 105 ft., brick, Aborn St., to Famiglietti Constr. Co., 539 Charles St. Archts. est. $150,000.

Conn., Greenwich — SALES and SERVICE GARAGE—Putnam Corp., 23 West Putnam Ave., 1 story and basement, 115 x 205 ft., brick and steel, to Saxton Gerard Co., West 44th St., New York City. Archts. est. $150,000.

Conn., Hartford — GARAGE — Connecticut Co., State St., 1 story, about 90 x 180 ft., brick and steel, to Brainard-Bartlett Co., Farmington Ave. Archts. est. $150,000.

Conn., Willimantic — EXCHANGE — Southern New England Telephone Co., New Haven, remodeling and constructing 3 story, brick and terra cota addition, to Peck-Williams Co., Norwich. Archts. est. $150,000.

N. Y., New York—APARTMENT—Wallrock Building Co., Inc., c/o G. G. Miller, archt. and engr., 1482 Bway., will build 6 story, 100 x 115 ft., brick, steel and stone, plain foundation, Nelson Ave., by day labor. Archts. est. $200,000.

N. Y., New York—APARTMENT—G. F. Improvement Co., c/o G. W. Swiller, archt., 543 Claremont Pl., will build 6 story, brick, steel and stone, plain foundation, Nelson Ave., by day labor. $250,000.

N. Y., New York — APARTMENT — Kingsbridge Road Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., will build rein.-con., brick and stone, plain foundation, Kingsbridge Rd., by day labor. $900,000.

N. Y., New York — APARTMENTS — Structwell Building Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., two 6 story, 78 x 100 ft., and 81 x 150 ft., brick, steel and stone, plain foundations, Union Ave., by day labor. $300,000 each.

N. J., Atlantic City—HOTEL—Warren & Wetmore, archts., 16 East 47th St., New York City, 2 story and basement, 52 x 84 brick and steel addition, plain foundation, Boardwalk and St. Charles Pl., here, to F. V. Warren Co., 1913 Arch St., Phila., Pa., for St. Charles Hotel Co. Archts. est. $500,000. Noted Aug. 27.

N. J., Atlantic City — HOTEL — W. M. Stanton, archt., 1524 Chestnut St., Phila., Pa., 7 story and basement, 50 x 50 ft. brick and steel addition to Easbourne Hotel, plain foundation, Pacific Ave. and Park Pl., here, to S. Headley, Guarantee Trust Bldg., for H. S. Hamilton, Pacific St. and Park Pl. Noted Sept. 24.

Pa., Dormont (Pittsburgh P. O.)—BANK—Dormont Savings & Trust Co., Masonic Bldg., general contract 2 story and basement, 50 x 120 ft., West Liberty Ave., to F. L. Becker, Grandine Ave. Archts. est. $150,000. Noted Oct. 15.

Pa., Phila.—APARTMENT—Watson Co., archts., 15 Park Row, New York City, N. Y., 5 story and basement, 60 x 220 ft., rein.-con., brick and steel, plain foundation, 4111 Walnut St., to R. E. Lamb Co., 843 North 19th St., for Apartment Homes, Inc., Stock Exch. Bldg. Archts. est. $700,000.

Va., Danville — ORPHANAGE—Hughes, Orphanage, (8 units) orphanage on J. B. Hughes farm 5 mi. north of here, incl. sewerage system, to Plummer-Wiseman Co., Danville, approximately $300,000. Archts. total est. $2,000,000.

La., New Orleans — OFFICE, etc. — R. Debuys, J. G. Landry, and A. Theard, archts., Hibernia Bank Bldg., 3 story, rein.-con. and brick office building and filling station, St. Charles St. and Lee Circle to W. H. Williams Co., Inc., 816 Howard Ave., for Texas Oil Co., Whitney Bldg. $113,000. Noted Sept. 24.

O., Cleveland — APARTMENT—Keemar Realty Co., H. R. Taylor, pres. and genl. mgr., 2925 Scarborough Rd., Cleveland Heights, 3 story and basement, 51 x 140 ft., East 101st St. and Keemar Ave., here, to J. W. Stewart, 2853 Berkshire Rd., Cleveland Heights. Archts. est. $175,000.

O., Cleveland — COMMERCIAL and LODGE — Banater Hall Assn., c/o O. N. Chamberlin, archt., 1222 West Clifton Blvd., Lakewood masonry contract 3 story and basement, 83 x 132 ft., brick, steel and concrete, West 120th St. and Lorain Ave., here, to N. Fetzer, 2230 Denison Ave. Archts. est. $150,000. Noted June 11.

O., Cleveland—STORAGE and WAREHOUSE—Malbin Realty Co., L. and S. Malbin, 3704 East 34th St., 5 story and basement, 82 x 230 ft., brick and rein.-con., East 35th St., to J. Boman, 632 East 101st St. Archts. est. $200,000. Noted Aug. 27.

O., Cleveland — STORE and APARTMENT — Syndicate c/o J. P. Stotter Co., Hanna Bldg., 3 story and basement, 100 x 140 ft., brick, Euclid and Delmont Aves., to J. Miller, 10819 Drexel Ave. Archts. est. $150,000.

O., Lakewood (Cleveland P. O.) — STORE and APARTMENT—C. S. Shmock, c/o A. C. Yost, archt., Caxton Bldg., Cleveland, 3 story and basement, 77 x 88 ft., brick and steel, plain foundation, Morrison and Madison Aves., here, to Mitzel-Shields Co., Rose Bldg., Cleveland. Archts. est. $150,000.

Mich., Jackson — HOTEL — Holabird & Roche, archts., 104 South Michigan Ave., Detroit, general contract 9 story and basement, 126 x 127 ft., rein.-con. hotel, here, to Christman Co., Porter Apts., Lansing, for Hotel Hayes. Archts. est. $800,000. Noted Sept. 17.

Ill., Chicago—APARTMENT—S. Cole, et al., c/o B. L. Steif & Co., archts., 307 North Michigan Ave., general contract 11 story, 107 x 150 ft., fireproof, Delaware Pl. near North Michigan Ave., to Longacre Eng. & Constr. Co., 127 North Dearborn St. Archts. est. $2,000,000.

Ill., Chicago—APARTMENT HOTEL—M. Glasser, 1034 Byron St., general contract 3 story and basement, 50 x 135 ft., brick, steel and stone, 4045-4047 Kenmore Ave., to Realty Building & Constr. Co., 177 North State St. Archts. est. $175,000. Noted Aug. 13.

Ill., Chicago — BANK and OFFICE — Produce Exch. Building Corp., 111 West Washington St., B. K. Goodman, pres., general contract 10 story and basement, 97 x 103 ft., rein.-con., brick, steel and stone, Racine Ave. and 14th Pl., to McLennan Constr. Co., 307 North Michigan Ave.

Ill., Chicago — HOSPITAL — Illinois Masonic Hospital, 834 Wellington Ave., general contract 5 story and basement, 62 x 77 ft., rein.-con. and brick, 834 Wellington Ave., to J. Shedden & Co., 106 North LaSalle St. Archts. est. $200,000.

Ill., Chicago—STORE and APARTMENT—J. R. Loewenstein, c/o T. R. Bishop & Co., archts., 39 South Dearborn St., general contract 5 story, 74 x 150 ft., rein.-con. and steel, 5222-5226 Harper Ave., to H. Zisook, 1209 East 55th St. Archts. est. $479,000.

Wis., Madison — HOTEL—M. Tullgren & Sons, archts., 9 Waverly Il., Milwaukee, 8 story and basement, brick and concrete addition, plain foundation, Fairchild St., here, to S. M. Seisel Co., 160 Ogden Ave., Milwaukee, for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. Archts. est. $250,000. Noted Oct. 1.

Wis., North Milwaukee (Milwaukee P. O.)—THEATRE and BUSINESS—E. A. Meyer, archt., 2703 Lisbon Ave., Milwaukee, 2 story and basement, 62 x 120 ft., brick and concrete, plain foundation, Villard Ave., here, to Reisinger & Co., 464 Oakland Ave., Milwaukee, for M. Brumm. $160,000. Noted Sept. 3.

Kan., Ft. Scott — TEMPLE — Scottish Rite Masons, general contract 3 story, basement and mezzanine, 100 x 120 ft., rein.-con., brick and stone, to Blaser-Vollmer Constr. Co., Ft. Scott, $135,342. Noted Sept. 24.

Neb., Omaha — POSTAL TERMINAL — Chicago, Burlington & Quincy R.R. Co., 547 Jackson Blvd., Chicago, Ill., structural steel for 2 story and basement, rein.-con. and steel terminal, 11th and Mason Sts., to Paxton & Vierling, 16th and Mason Sts.; owner soon takes bids for brick and concrete work for above. Archts. est. $500,000. W. T. Krausch, 547 Jackson Blvd., archt.

Minn., Minneapolis—BUS TERMINAL—Great Northern Transit Co., 4th and Jackson Sts., St. Paul, general contract 2 story and basement, 160 x 230 to 288 ft., rein.-con. and brick, 6th St. and 6th Ave. N., to E. G. Evensta Co., 714 Builders Exch. Bldg. Archts. total est. about $100,000. Noted Aug. 20.

Ark., Russellville—HOTEL—J. Mortenson, et al., Mexia, Tex., 4 story and basement, 55 x 96 ft., rein.-con., brick and steel, Main and St. Marys Sts., here, to O. S. Nelson, Main and St. Marys St., Russellville. Archts. est. $175,000.

Colo., Colorado Springs—SANATORIUM—Natl. Tuberculosis Sanatorium, (1st unit) to sanitorium, to A. Olsen, Patterson Bldg., Denver, about $175,000.

Calif., Berkeley — APARTMENT — F. Koerber, 2054 University Ave., 4 story, rein.-con., College Ave. near Ashby St., to Carlson-Lo Prest Co., Koerber Bldg., $150,000.

Calif., Oakland—HOTEL—J. K. Leaming, Ray Bldg., general contract 10 story and basement, brick and concrete, 19th and Franklin Sts., to A. Johnson, Call Bldg., San Francisco, $235,550. Noted Sept. 17.

Calif., Oakland — HOTEL — United Income Properties Co., c/o J. L. Stewart, archt., 702 Market St., San Francisco, Boulevard Hotel, 14 story, San Pablo, Market and 28th Sts., to L. J. Cohn, 1 De Haro St., San Francisco, approximately $2,000,000. Contractor taking bids for excavating and structural steel. Noted Oct. 1.

Calif., Richmond — HOTEL — J. W. Plachek, archt., Mercantile Bank Bldg., Berkeley, 5 story, rein.-con. and brick, Main and 10th Sts., to Barrett & Hilp, 918 Harrison St., San Francisco, for Richmond Hotel Co., c/o architect. $165,000. Noted Oct. 15.

Calif., San Francisco—APARTMENT—W. H. Peaslee, c/o E. E. Young, archt., 2002 California Ave., will build 6 story and basement, concrete and steel, Greenwich St. near Larkin St., by day labor. $175,000.

Calif., San Francisco—APARTMENT—M. V. Brady (owner and contractor), Monadnock Bldg., will build 6 story, concrete, Turk St. between Jones and Taylor Sts., by day labor. $150,000. Private plans.

Calif., San Francisco—APARTMENT—California Building & Finance Co., 319 De Young Bldg., 6 story and basement, rein.-con., Van Ness Ave. near Green St., to C. F. Parker, 251 Kearny St. Archts. est. $160,000.

Calif., San Francisco—APARTMENT—C. Johnson, 2360 Gough St. will build 6 story and basement, brick and steel, Green and Buchanan Sts., by day labor. $200,000. Baumann & Jose, 251 Kearny St., archts.

Buildings—Commercial (Continued)

Calif., San Francisco—APARTMENT—M. E. Vukicevich, 708 Hearst Bldg., will build 9 story and basement apartment, Sutter St. near Leavenworth St., by day labor. $175,000. A. I. Coffey, Phelan Bldg., archt.

Calif., San Francisco—APARTMENT—E. V. Lacey, 180 Jessie St., will build 4 story and basement, rein.-con., Fulton St. near Franklin St., by day labor. $150,000. J. C. Hladik, Monadnock Bldg., archt.

Calif., San Francisco—APARTMENT—J. Greenbach, Examiner Bldg., will build 15 story and basement, 60 x 60 ft., rein.-con. Post St. near Jones St., by day labor. $250,000 or more. J. C. Hladik, Monadnock Bldg., archt.

Calif., San Francisco—HOSPITAL—St. Francis Hospital, Bush and Hyde Sts., rein.-con. addition to Physicians Building and Nurses Home, to R. McLeran Co., Hearst Bldg., approximately $350,000. Noted June 11.

Calif., San Francisco—HOTEL—P. Midbust, 529 Pierce St., will build 6 story and basement, rein.-con., Breen Pl. and McAllister St., by day labor. $150,000.

Calif., San Francisco—THEATRE—W. S. King, (owner and contractor), Hearst Bldg., will build theatre, Haight St. $150,000. Golden State Theatre & Realty Co., Gate Ave., lessee.

Calif., Willows—HOTEL—C. J. Sadler, 3 story and basement, brick, Butte and Walnut Sts., to C. Mabrey, Ochsner Bldg., Sacramento, $200,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Auburn—HIGH SCHOOL—Town, C. Harris, supt. schools, having preliminary plans prepared by Brainard & Leeds, 89 Franklin St., Boston, 2 story and basement, brick high school. $150,000.

Mass., Boston—SCHOOL—City, Schoolhouse Dept., City Hall, having preliminary plans prepared by J. H. Driscol, 6 Beacon St., 3 story and basement, brick and stone, Warrenton St. $1,500,000.

Mass., Gardner—HIGH SCHOOL—Town, School Com., City Sall, having plans prepared by Guilbert & Betelle, 20 Branford St., Newark, N. J., brick and steel high school. $500,000.

Mass., Lowell—CONVENT and SCHOOL—St. Peters Church, 25 Granby St., Boston, W. O. O'Connell, archbishop, plans convent and school, South and Highland Sts., here. To exceed $150,000. Engineer and architect not selected.

Mass., Marion — DORMITORY — Tabor Academy rejected bids 2 story and basement, 40 x 400 ft., brick and stucco, plain foundation. $150,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, archts. Noted Oct. 1.

Mass., Salem—HIGH SCHOOL—City, J. J. McCarthy, chn., plans high school addition, Highland Ave. $150,000 or more. Engineer and architect not seleced.

Mass., Tyngsboro — ACADEMY — Notre Dame Academy, W. O'Connell, cardinal, Boston, having plans prepared by M. P. Meade, 80 Boylston St., Boston, 4 story and basement, 175 x 315 ft., brick and stone, plain foundation. To exceed $150,000.

R. I., Woonsocket — HIGH SCHOOL — City, School Com., City Hall, having plans prepared by W. F. Fontaine, 285 Main St., Junior High School. To exceed $150,000. Noted Sept. 3.

Conn., Stamford—HIGH SCHOOL—City, F. B. Bartram, 117 Hubbard Ave., chn., plans high school addition, Strawberry Hill Rd. To exceed $150,000. Engineer and architect not selected.

N. Y., Newburgh—HIGH SCHOOLS—Bd. Educ. having revised plans prepared by W. F. Gilbert, 358 5th Ave., New York City, 3 story, brick, steel, stone, plain foundation. $250,000. Noted Aug. 7, 1924.

Pa., Pittsburgh—CHURCH—First German Evangelical Lutheran Congregation, c/o Synod, plans 1 and 2 story and basement, 144 x 200 ft., Neville St. $400,000. Engineer and architect not selected.

N. C., Asheville—HIGH SCHOOL—City plans 4 story and basement, Ridgelawn Ave. and Circle St. J. H. Cathey, mayor.

N. C., Goldsboro—HIGH SCHOOL—City plans new high school $250,000 bonds voted.

N. C., Shelby — SCHOOL — City plans to sell $200,000 bonds Oct. 21, for new school buildings.

Miss., Hazelhurst — SCHOOLS — See "Waterworks."

O. Akron—SCHOOL—Bd. Educ., plans rebuilding oldest section Spicer School and constructing 16 room addition, Spicer St. $150,000.

O., Akron—SCHOOL—Bd. Educ., plans 2 story school, East Akron St. $150,000 or more.

O., Athens — MEMORIAL — Ohio State University Alumni Assn., E. B. Bryan, pres., plans brick, steel and stone memorial. $200,000. Howell & Thomas, 4500 Euclid Ave., Cleveland, archts.

O., Brecksville—SCHOOL—Election Nov. 3 $150,000 bonds, 2 story, brick, steel and concrete addition, for Bd. Educ., H. A. Ellsworth, clk. A. E. Skeel, 5005 Euclid Ave., Cleveland, archt.

O., Chillicothe—SCHOOL—Bd. Educ., W. H. Hernstein, chn., election Nov. 3, $800,000 bonds, altering and constructing brick, steel and concrete, high and grade school addition. Garber & Woodward, Union Central Bldg., Cincinnati, archts.

O., Cleveland — CHAPEL and CREMATORY — City, W. R. Hopkins, city mgr., having plans prepared by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., 1 story, 91 x 112 ft., brick and stone, Highland St. $150,000.

O., Cleveland — HIGH SCHOOL — Bd. Educ., F. G. Hogen, dir., plans Junior High School, 28 room, brick, steel and concrete, near Quincy Ave. and East 93rd St. $825,000. G. M. Hopkinson, 6th St. Clair Bldg., archt.

O., Cleveland — SCHOOL — Bd. Educ., F. G. Hogen, dir., having plans prepared by G. M. Hopkinson, 6th St. Clair Bldg., 2 story and basement, 14 room, brick, steel and concrete addition, East 114th St. and Belmont Ave. $247,500.

O., Lakewood (Cleveland P. O.) — CHURCH — Sts. Cyrill and Methodeus Roman Catholic Church, A. J. Masat, pastor, 12608 Madison Ave., having plans prepared by E. T. P. Graham, 171 Newbury St., Boston, Mass., and F. S. Fish, resident archt., 6007 Euclid Ave., Cleveland, 1 story brick, Lakewood and Madison Aves. $200,000.

O., Oakharbor — CHURCH — St. Johns Lutheran Church, B. F. Brandt, pastor, having preliminary plans prepared by Corbusier, Lenski & Foster, B. F. Keith Bldg., Cleveland, 1 story 56 x 140 ft., brick and steel church. $150,000.

O., Parma (Cleveland P. O.)—SCHOOLS—Bd. Educ., I. D. Siegfried, clk., Pearl Rd., election Nov. 3, $300,000 bonds, two 2 story and basement, brick, steel and concrete schools. Engineer and architect not selected.

O., Rocky River—SCHOOLS—Bd. Educ., K. K. Hastings, pres., Rocky River election Nov. 3, $350,000 bonds, two 2 story and basement, brick, steel and concrete schools. Engineer and architect not selected.

O., Youngstown—SCHOOLS—Bd. Educ., W. Rooney, building com., soon takes bids two 2 story schools with auditoriums, one on Idlewood St., and other at Fosterville St. $250,000 each.

Mich., Birmingham — SCHOOL — G. G. Booth, Cranbrook, having plans prepared by E. Saarinen, Bloomfield Hills, group 2 story and basement, concrete and brick building at Bloomfield Hill, here. $500,000.

Mich., Highland Park (Detroit P. O.)—SCHOOL—Bd. Educ. had plans prepared by M. R. Burrowes, 3633 Cass Ave., 3 story and basement, 100 x 200 ft., rein.-con., brick and steel, Buena Vista Ave. Noted Mar. 19.

Ill., Freeport — HIGH SCHOOL — J. P. Muldoon, bishop, 1704 National Ave., Rockford, having preliminary plans prepared by A. Brisch, 704 Jackson St., Oak Park, 2 story and basement, 130 x 130 ft., rein.-con., brick and stone high school for Catholic children. $200,000.

Ill., Wheaton — ADMINISTRATION — Amer. Theosophical Society, 826 Oakdale Ave., Chicago, having preliminary plans prepared by Pond & Pond, 6 North Michigan Ave., Chicago, 3 story and basement, brick, concrete and stone, Geneva Rd. near Main St., here. $150,000.

Wis., Beloit—SCHOOL—St. Judes Congregation, 747 Hackett St., having plans prepared by F. Kemp, Goodwin Blk., and soon takes bids 2 story and basement, 60 x 162 ft., brick and tile, plain foundation. $150,000.

Wis., Milwaukee — JUNIOR HIGH and GRADE SCHOOL — School Bd., F. M. Harbach, secy., 10th and Prairie Sts., had plans prepared by G. E. Wiley, c/o Owner, 3 story and basement, brick, tile and concrete, Fond du Lac Ave. $400,000.

Wis., Milwaukee — PRE-VOCATIONAL SCHOOL—School Bd., c/o F. M. Harbach, secy., 10th and Prairie Sts., having plans prepared by G. E. Wiley, c/o owner, 2 and 3 story and basement, brick, tile and concrete, plain foundation, Windlake Ave. $600,000.

Wis., Milwaukee—SYNAGOGUE—Temple B'ne Jeshurun, M. Breslauer, pres. of congregation, 80 Farwell Ave., plans 2 story and basement, brick, stone and concrete, plain foundation. $250,000. Engineer and architect not selected.

Ia., Dubuque—SCHOOL—University of Dubuque had plans prepared by F. P. Saam, 4th and Main Sts., and soon takes bids 3 story and basement, rein.-con., brick, tile and stone, on campus. $200,000.

Kan., Junction City—SCHOOLS—Election Nov. 3, $245,000 bonds, 2 grade schools.

Neb., Benson (Sta. Omaha) — HIGH SCHOOL—Bd. Educ., City Hall, Omaha, had plans prepared by J. and A. McDonald, Standard Oil Bldg., Omaha, and soon takes bids 2 story and basement, rein.-con. and steel, plain foundation, here. $600,000.

Neb., Lincoln — HIGH SCHOOL — Bd. Educ., J. G. Ludlam, secy., soon takes bids Irving Junior High School, 3 story and part basement, 192 x 328 ft., rein.-con., brick and stone. $650,000. Fiske, Meginnis & Schaumburg, Bankers Life Bldg., archts.

Neb., Seward — COLLEGE — Concordia College plans 2 story and basement college building. $150,000.

Ark., Little Rock—BAKERY—A. C. and G. O. Jones, plans 3 story, rein.-con. and brick bakery. $250,000.

Tex., Breckenridge — SCHOOL — Bd. Educ., c/o J. E. Hickman, pres., plans rein.-con., brick and stone school. $150,000. Engineer and architect not selected.

Okla., Carmen — CHURCH — First Methodist Church takes bids about Oct. 18, 1 story and basement, 73 x 154 ft., rein.-con., brick and stone, plain foundation. $150,000. H. H. Dohe, Okeene, archt. and engr. Noted July 30.

Ore., Eugene — FINE ARTS — State Building Comn., Salem, having plans prepared by Lawrence & Holford, Chamber of Commerce Bldg., Portland, new Fine Arts Bldg., University grounds, here. $350,000.

Ore., Portland—SCHOOLS—School Bd. having plans prepared by G. H. Jones, c/o owner, for 4 grade schools, one at Morris and Mississippi Aves., $300,000; one at West Park and Jefferson Sts., to exceed $300,000; one at 40th and Fremont Sts., $180,000, and other at Union N. and Bryant Sts., to exceed $250,000.

Calif., Crockett—HIGH SCHOOL—John Swett Union High School Dist. voted $450,000 bonds for fireproof high school. Noted Sept. 24.

Calif., Los Angeles—SCHOOL—Bd. Educ. having plans prepared by Dodd & Richards, 905 Brack-Shops Bldg., 2 story, 65 x 288 ft. main building, 2 story, 55 x 114 ft. gymnasium and locker building, 1 story, 70 x 228 ft. manual arts building, 83 x 42 ft. swimming pool, etc., 69th and Main Sts., $275,000.

Calif., Oakland—SCHOOLS—City having plans prepared by H. Schroder, 532 15th St., fireproof annex to Elmhurst School, $150,000, and by J. J. Donovan, 1916 Bway., for fireproof addition to same school, $170,000; also having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 13 room Lockwood School. $169,000.

Calif., San Francisco — CATHEDRAL — Grace Cathedral, c/o L. P. Hobart, archt., Crocker Bldg., had preliminary plans prepared cathedral, California and Jones Sts. $1,000,000.

BIDS DESIRED

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

Conn., Storrs — DORMITORY — Storrs Agriculture College, F. M. Salmon, state comptroller, State House, Hartford, taking bids 3 story and basement, 40 x 190 ft., brick and steel, plain foundation. $160,000. D. K. Perry, 17 Court St., New Britain, archt. Noted Sept. 10.

N. Y., Woodhaven (br. of Jamaica) — SCHOOL — Nov. 5, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, School 63, Sutter Ave. from 90th to 91st Sts., here, for Bd. Educ., 59th St. and Park Ave., New York City.

N. Y., New York — NURSES RESIDENCE — Oct. 26, by Bd. Trustees Bellevue & Allied Hospital, 415 East 26th St., J. J. McGrath, pres. alterations and addition to nurses residence, Fordham Hospital, Southern Blvd. and Crotona Ave., Bronx.

Buildings—Educational, Religious (Cont.)

N. J., Blackwood—HIGH SCHOOL—Oct. 27, by Bd. Educ., c/o J. Price Glendora, Junior High School, 2 story and basement, 106 x 130 ft., rein.-con. and brick, plain foundation. $150,000. T. Stephens, Temple Bldg., Camden, archt. Noted Oct. 1.

N. J., Princeton—CHAPEL—Princeton University, taking bids 1 story, basement and balcony, 115 x 177 ft., stone and terra cotta chapel. $1,500,000. Cram & Ferguson, 248 Boylston St., Boston, Mass., archts. Noted Apr. 23.

Md., College Park—COLLEGE—Oct. 26, by Smith & May, archts., Calvert Bldg., Baltimore, 3 story and basement, 74 x 112 ft. rein.-con. chemistry building, and 1 story and basement, 53 x 130 ft. dining building, both rein.-con. and brick, plain foundations, here, for University of Maryland. $150,000. Noted Aug. 27.

Ala., Birmingham—SCHOOLS—Nov. 16, by Bd. Educ., Moore School, 2 story and basement, brick and concrete. B. B. Burnham, Age-Herald Bldg., archt. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., associated archt. Noted Aug. 27.

Tenn., Knoxville—ECONOMICS—Nov. 9, by T. D. Morris, secy. and treas. University of Tennessee, 3 story, 75 x 200 ft., rein.-con., brick and steel economics building, on campus. $150,000. Jones & Furbringer, Porter Bldg., Memphis, archts. Noted Sept. 24.

Tenn., Memphis—LABORATORY—Nov. 5, by Jones & Furbringer, archts., Porter Bldg., laboratory for University of Tennessee Medical School, Monroe Ave. $150,000.

Mich., Detroit — SCHOOL — Oct. 31, by C. A. Gadd, bus. mgr. Bd. Educ., 2 story and part basement, 74 x 101 ft., and 82 x 191 ft. school, Garden and Prairie Aves. McGrath, Dohmen & Page, 2231 Park Ave., archts.

Mich., Flat Rock—HIGH SCHOOL—Oct. 29, by F. Bryant, secy. Trustees Bd. Educ., 2 story and basement, 130 x 150 ft., rein.-con. and brick, Distr. 1. A. H. Gould & Son, 602 Empire Bldg., Detroit, archts.

Tex., San Antonio — HIGH SCHOOL — Nov. 6, by Phelps & DeWees, archts., Gunter Bldg., and A. B. and R. M. Ayres, archts., Bedell Bldg., Junior High School, 1 and 2 story, rein.-con. brick and tile, plain foundation, Yorkshire and Berkshire Sts., for City. Noted Oct. 8.

Wash., Steilacoom — DORMITORY—Oct. 30, by State Dept. Business Control, Western State Hospital Dormitory, 3 story and basement, 70 x 140 ft., rein.-con. and brick. $150,000. J. Zittel, Auditorium Bldg., Spokane, archt.

Calif., Los Angeles—SCHOOL—Oct. 28, by Bd. Educ., 2 story, 95 x 160 ft., brick domestic science building, and 3 story, 121 x 161 ft., rein.-con. science building. $250,000. A. C. Martin, Higgins Bldg., archt.

BIDS RECEIVED

N. J., Camden—SCHOOLS—School Bd. Pensauken Twp., Oct. 13, general contract 2 story and basement, 50 x 212 ft. and 39 x 93 ft., rein.-con. and brick, plain foundation. Wistaria Ave. east of Lexington Ave., from H. J. Homan, 18th and Cherry Sts., Phila., Pa., $264,450; also school with same dimensions as above, 55th St. and South Forest Ave., from J. M. Yardley, 1730 Sansom St., Phila., Pa., $238,350. Noted Oct. 8.

Pa., Laurelton — DORMITORIES — Laurelton State Village for Feeble Minded, State Capitol, Harrisburg, Oct. 9, Buildings 5, 6 and 7, each 2½ story and basement, 84 x 100 ft., rein.-con., brick and steel, here, from F. K. Worley Corp., Wesley Bldg., Phila., $166,925. Noted Oct. 1.

Pa., Midland — HIGH SCHOOL — Bd. Educ., and W. G. Eckles Co., archts., New Castle, Oct. 12, 2 story and basement, brick on hollow tile high school, from Cook Anderson Co., Beaver, $176,000. (**Alernate 1**) add $54,000 (2) add $17,400 (3) add $1,600. Noted Oct. 1.

Pa., York—HIGH SCHOOL—Bd. Educ., D. N. Crider, secy. School Dist. Senior High School, 2 story and basement, 236 x 245 ft., rein.-con., brick and steel, Beaver and West College Ave., from Consolidated Eng. Co., Baltimore, Md., $719,000. Noted Oct. 1.

Md., Baltimore—SCHOOL—Bd. Awards, 1 story and basement, 63 x 244 ft., stone, between Collins and Lyndhurst Aves. near Edmondson Ave., from DeCou & Davis, 6 East Mulberry St., $151,890; also concrete foundation for city college building, Gorsuch and Montebello Aves., from C. L. Stockhausen Co., Gay and Water Sts., $143,800. Noted Oct. 8.

Mich., Detroit — HIGH SCHOOL — Bd. Educ., 1354 Bway. Ave., masonry and general contract 3 story and basement, 95 x 125 ft. and 50 x 110 ft., rein.-con. and brick, La Salle Blvd., from Martin & Krausman, 501 Guaranty Trust Bldg., $363,750; heating equipment, etc. from J. W. Partlan, 1255 West Park Pl., $81,600.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., W. Robinson School, 2 story and basement, 155 x 175 ft., rein.-con., brick and steel, plain foundation, Grover Ave., from Davis & McGonigle Co., Mackie St. Detroit, Toledo & Ironton R.R. tracks, $149,500. Noted Oct. 1.

Wis., Cudahy — HIGH SCHOOL — Bd. Educ., W. Rasche, pres., Oct. 10, masonry work, concrete and excavation for (1st unit) 2 story and basement, 60 x 60 ft. and 62 x 180 ft., brick and tile, plain foundation, from W. F. Tubesing Co., 373 Bway., Milwaukee, $53,447; carpentry, from Polasek Bros., 501 Armour Ave., $24,200; heating and ventilating, from Industrial Heating & Eng. Co., 490 Bway., Milwaukee, $30,960. Noted Oct. 1.

Neb., Omaha — GRADE SCHOOL — Bd. Educ., City Hall, general contract 2 story and basement, 110 x 173 ft., rein.-con. and brick, plain foundation, 25th and Meredith Ave., from J. Loff & Son, 2701 North 47th St. Archts. total est. $195,000.

Calif., San Francisco—SCHOOL—City and San Francisco Co., general contract Hawthorne School, Shotwell St., from Bond Constr. Co., 1st Natl. Bank Bldg., $231,260. Noted Sept. 17.

CONTRACTS AWARDED

N. H., Hillsboro—SCHOOL—Town, A. A. Holden, supt., 2 story and basement, 75 x 100 ft., brick, to J. Bergeron, Keene, N. H. Archts. est. $150,000.

Mass., Montague—SCHOOL—Town, J. J. Quinn, chn. building com., 2 story and basement, 82 x 118 ft., brick and stone, Crocker Ave., to G. N. Reed, Montague City Rd., Turners Falls. Archts. est. $150,000. Noted Oct. 8.

Mass., Northampton—SCHOOL—Church of Assumption, J. A. O'Malley, pastor, 2 story and basement, brick and stone school, to D. A. Sullivan, 78 Main St. Archts. est. $150,000.

Mass., Saugus—HIGH SCHOOL—Town, C. W. Hanson, chn. School Building Com., Junior High School, 2 story and basement, 76 x 95 ft., brick, Lincoln Ave., to R. W. Bean, Inc., 25 Exchange St., Lynn. Archts. est. $150,000. Noted Aug. 27.

Mass., South Boston (Boston P. O.) — CHURCH — Woodbury & Stuart, archts., 581 Boylston St., Boston, will build 1 story and basement, brick and stone, 4th and Atlantic Sts., here, by day labor, for Boston Missionary & Church Extension Society of Methodist Episcopal Church, 81 Boylston St. $150,000. Noted June 18.

Mass., Springfield—CHURCH—Our Lady of Hope Church, 95 x 100 ft., brick and steel church, to J. G. Roy & Sons, 21 Silver St. Archts. est. $150,000.

R. I., Bristol — SCHOOL — Guiteras School, R. H. Connery, chn. com., Colt Memorial School, 3 story and basement, 125 x 155 ft., brick, to E. Turgeon, 86 Weybosset St., Providence. Archts. est. to exceed $150,000. Noted Oct. 1.

Conn., Bridgeport — SCHOOL — State Trade School, John St., 2 story and basement, 80 x 370 ft., brick and steel, Kossuth St., to W. Martin & Son, 164 State St., $192,600. Noted Sept. 17.

Conn., Middletown — LIBRARY and LABORATORY — Wesleyan College, J. H. McConaughy, pres., 3 story, 40 x 165 ft. library, and 2 story, 35 x 125 ft. laboratory, both brick, steel, and limestone, plain foundation, to J. H. Mylchreest, 50 Brainard Ave. $200,000. Noted Sept. 24.

N. J., Springfield—SCHOOL—Bd. Educ., Newark, brick, steel and stone addition, plain foundation, Westfield Ave., here, to W. C. Phelps & Co., 21 Fulton St., Newark. Archts. est. $150,000. This corrects report in Oct. 1 issue.

Pa., Indiana—CHURCH—United Presbyterian Congregation, 615 School St., 1 and 3 story, 80 x 160 ft., granite or stone, Church St., to Hyde Murphy Co., Ridgeway, $167,500. Noted June 25.

Pa., Phila.—SCHOOL—St. Agnes Slovac Church, J. L. Yorke, pastor, 3 story and basement, 58 x 108 ft., rein.-con., brick and steel, plain foundation, 4th and Brown Sts., to Farrell-Roth Co., 123 South 21st St. Archts. est. $150,000. Noted Sept.. 17.

Pa., Phila.—SCHOOL—Bd. Educ., 19th and Chestnut Sts., general contract 4 story and basement, 76½ ft. x 189½ ft. school, 23rd and Jefferson Sts., to W. H. Wehmeyer, 500 West Cumberland St., $385,975; heating, to Mechanical Equipment Co., 214 South 12th St., $41,964. Noted Oct. 15.

Del., Newark—DORMITORY—Delaware University, Auxiliary Assn., Dupont Bldg., Wilmington, 3½ story, 35 x 116 ft., brick dormitory, here, to J. H. Hutchinson, Newark, for Delaware University. $134,900. Noted Oct. 1.

O., Toronto—HIGH SCHOOL—Bd. Educ., general contract brick and limestone high school, to C. Shimp, Martins Ferry. Archts. est. $250,000. Noted June 25.

Mich., Muskegon Heights (br. of Muskegon) —SCHOOL — Bd. Educ., M. R. Walkley, secy., elementary and Junior high school, here, to Sorensen & Gross, Houseman Bldg., Grand Rapids, $179,759.

Wis., Milwaukee—CONVENT—St. Mary's Convent, 3502 Center St., 4 story and basement, 75 x 100 ft., brick and concrete addition, plain foundation, Center St., to A. Luettgen Co., 732 Deer Pl. Archts. est. $150,000. Noted Oct. 8.

Ia., Des Moines—CHURCH and SUNDAY SCHOOL — University Church of Christ, 4 story and basement, 92 x 127 ft., rein.-con., brick and stone, 25th and University Sts., to J. A. Benson Constr. Co., 422 Valley Natl. Bank Bldg., $220,000.

Kan., Hays — LIBRARY — Kansas State Teachers College, general contract 2 story and ground floor, 95 x 147 ft., rein.-con. and stone, to Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, Mo., $126,207. Noted Oct. 1.

Mo., St. Louis—CHURCH—West Park Baptist Congregation, 2 story and basement, 112 x 124 ft., concrete, brick and hollow tile, Hodiamont and Wells Aves., to W. MacDonald Constr. Co., 1311 Syndicate Trust Bldg. Archts. est. $150,000.

Tex., Houston — EXCHANGE — Southwestern Bell Telephone Co., Bway. and Locust St., St. Louis, Mo., general contract 2 story and basement (ultimately 7 story), rein.-con., brick and steel telephone exchange, here, to Universal Constr. Co., Houston. Archts. est. $175,000.

Calif., Colusa — HIGH SCHOOL — Colusa Union High School Dist. general contract for high school, to J. F. Shepherd, 1st Natl. Bank Bldg., Stockton, $103,696; brick work, to Larsen & Larsen, Monadnock Bldg., San Francisco, $31,105. Noted July 23.

B. C., Harrison Hot Springs—HOTEL—A. P. Anderson & E. J. Ryan, et al., 4 story, 100 x 120 ft., rein.-con. hotel, with natatorium, Harrison Lake, here, to E. J. Ryan Contg. Co., Ltd., 445 Granville St., Vancouver, $400,000 cost plus percentage basis.

B. C., Vancouver — HOSPITAL — City Council, 3 story 40 x 220 ft., rein.-con. isolation hospital, here, to A. C. McDougal & Sons, 718 Granville St., $179,800. Noted Sept. 10.

Ont., Aurora—COLLEGE—St. Andrews College, school buildings, dormitories, gymnasium, swimming pool, etc., to W. H. Yates Constr. Co., 17 Main St., East Hamilton. Noted Jan. 29.

Federal Government Work

PROPOSED WORK

Miss., Vicksburg—Levee—U. S. Engineer Office, rejected bids constructing Goodrich Levee, in Upper Tensas Levee Dist., La.

Calif., Mare Island—HOSPITAL—Spec. 5105—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 4 additional buildings at Navy Yard Hospital, here. L. E. Gregory, ch.

Calif., San Francisco — Ice Machine, Generator, etc. — U. S. Government, at office constructing Quartermaster, Fort Mason, plans installing 15 ton ice machine, 150 kw. steam generator, and changing oil burner into power system, etc. at Letterman General Hospital, at San Francisco Presidio; also creosoted lumber and piling fender line at Transport Dock 2, here.

Calif., San Francisco—Federal—Treas. Dept., Wash., D. C., having preliminary sketches made by W. A. Newman, Hearst Bldg., for federal building providing additional quarters for post office, here. $2,000,000.

Calif., Soldiers Home (br. Sawtelle P. O.) — HOSPITAL — Treas. Dept. at office Supervising Archt., Wash., D. C., having plans prepared 7 story, 300 x 300 ft., rein.-con. hospital, here. $1,500,000.

BIDS DESIRED

N. Y., Fulton—Post Office—Nov. 12, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here; adv. E. N.-R. Oct. 22.

Federal Government Work (Continued)

Fla., Mayport—Dwelling—Nov. 14, by U. S. Engineer Office, Masonic Temple Bldg., Jacksonville, constructing timber dwelling, here.

Ala., Florence—Floors—Oct. 30, by U. S. Engineer Office, cork tile composition floors at Wilson Dam, Tennessee River.

La., New Orleans—Lighting Plant—Oct. 27, by U. S. Engineer Office, Custom House, 110 v., d.c., 1,250- to 1,500-watt, electric lighting plant, without storage batteries, to carry at least twenty-five, 50 watt lamps, gasoline operated.

New Mexico—Bridge—Oct. 27, by J. W. Johnson, distr. engr. Bureau Pub. Rds., Dept. of Agriculture, 301 Custom House Bldg., Denver, Colo., constructing or improving Datil Reserve-Dry Creek Natl. Forest Rd. Project, San Francisco River Bridge Sect., in Gila Natl. Forest. Catron Co., here.

Calif., Rio Vista—Dredging—Nov. 12, by U. S. Engineer Office, Customhouse, San Francisco, dredging in Sacramento River, Area A, 200,000 cu.yd. and Area B, 250,000 cu.yd. excav.

BIDS RECEIVED

Mass., Beverly—Excavation—U. S. Engineer Office, Oct. 14, rock excav. in harbor, here, from Bridgeport Dredging & Dock Co., 1024 Main St., Bridgeport, Conn., at $19.50 per cu.yd. Noted Sept. 17.

N. Y., Brooklyn—Tile Deck—Spec. 5155—Bureau Yards & Docks, Navy Dept., Wash., D. C., Oct. 14, tile deck on Building E, here, from Estate of J. Bauer, 388 Wallabout St. (1) $3,248 (2) deduct $100 (3) deduct $75 (4) add $800. Noted Oct. 1.

N. Y., New York—Watermain—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., watermain in U. S. Veterans Hospital, Bronx, here, from C. DeBlasio, 339 South 7th Ave., Mt. Vernon, N. Y., $19,786. Noted Oct. 1.

Tenn., Tullahoma — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., post office, here, from A. M. Lundberg, Times Bldg., St. Louis, Mo., $36,800. Noted Sept. 17.

CONTRACTS AWARDED

Conn., Stamford—Dredging—U. S. Engineer Office, Providence, R. I., dredging in Stamford Harbor, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., $28,125. Noted Oct. 15.

N. Y., Staten Island—Acetylene Cylinders—Supt. Lighthouse, 150 acetylene cylinders, to Amer. Gas Accumulator Co., 100 East 42nd St., New York City, $74,070 (240 days). Noted Aug. 20.

Md., Baltimore—Roads—Treas. Dept. at office Supervising Archt., extending and remodeling roads at Marine Hospital, here, to Sloan Dickinson Co., 136 Liberty St., New York City, N. Y., $8,300. Noted Oct. 15.

Va., Norfolk—Suction Pipe—U. S. Engineer Office, suction and discharge pipe for U. S. Dredge "Currituck," to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $6,700. Noted Aug. 27.

Ala., Florence—Pressure Piping—U. S. Engineer Office, air pressure pipe system for navigation lock, Wilson Dam, to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $18,155. Noted Sept. 17.

Miss., Corinth—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., repairs to post office, here, to Galyran Bros., Corinth, $5,566.

La., Minden—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., footings for post office, here, to Universal Constr. Co., 316 De Wald St., Fort Wayne, Ind., $5,800 (90 days.)

Minn., Fairmont — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., to F. R. Comb Co., 2115 Chicago Ave., Minneapolis, $48,755. Noted Oct. 8.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits.

Applications

632—Monroe City, Sevier Co., Utah—Wants license for 147 hp. power project in Sevier Co.

633—Swayne, Leland & Turner, Royal Insurance Bldg., Room 805, San Francisco, Calif.—Wants preliminary permit power development in Jameson Creek, Plumas Co.

634—Roanoke River Power Co., Roanoke, Va.—Wants preliminary permit 53 ft. masonry concrete dam, with power house, in Roanoke River, Mecklenburg Co.

635—Missouri Hydro-Electric Power Co., Kansas City, Mo.—Wants preliminary permit 100 ft. dam, about 5 mi. below Arkansas-Missouri State Line in Eleven Point River, Oregon and Howell Counties, Mo., and Randolph Co., Ark.

636—Keystone Power Corp., 17 Wood St., Pittsburgh, Pa.—Wants license 78 mi. transmission line in Elk Co. crossing Allegheny Natl. Forest.

637—Chelan Electric Co., Seattle, Wash.—Wants license, power project in Chelan River, below town of Chelan, Chelan Co.

638—East Tennessee Development Co., Augusta, Me.—Wants preliminary permit power project in Tennessee, Clinch and Powell Rivers, Tennessee.

639—Washington Water Power Co., 825 Trent St., Spokane, Wash.—Wants license 5 mi. transmission line in Shoshone Co., Idaho.

640—West Florida Power Co., Tallahassee, Fla.—Wants preliminary permit power development in Ocklocknee River, Leon and Gadsden Counties.

641 to 645—E. L. Hill, 235 West Forsyth St., and C. L. Spencer, 47 Buckman Bldg., Jacksonville, Fla.—Wants preliminary permits Okefenokee Storage Pond, Trail Ridge, Traders Hill, Suwanhachee and Suwannee Projects, forming comprehensive development, in Georgia and Florida providing in addition to power, navigable channel from Atlantic Ocean to Gulf of Mexico.

Unclassified

PROPOSED WORK

Playground — West Roxbury (Boston P. O.), **Mass.** — Dept. Pub. Wks., Boston, plans school playground, Wren St., here. $25,000. J. A. Rourke, comr.

Resort—Bath, N. C.—F. H. and A. L. Bowers, Washington, plan resort known as Bayside, incl. 1 mi. beach, boardwalk, piers, casino, cottages, roads, etc., here.

Lighting System — Biloxi, Miss. — See "Streets and Roads."

Swimming Pool—Pass Christian, Miss.—See "Buildings—Commercial."

Park Improvement—New Orleans, La.—Comn. Council plans to purchase 1,055 acres in rear city park and extend from park proper to Lake Pontchartrain, for new park, $2,000,000; also fireproof auditorium on newly acquired property. M. Behrman, mayor.

Passenger Landing—New Orleans, La.—Bd. Port Comrs., New Courthouse, plans new passenger landing, foot Canal St. Approximately $125,000.

Golf Course — Stevens Point, Wis. — W. E. Atwell, 1010 Clark St., (organizing new club) plans golf course, here. $30,000. L. Macomber, 108 South La Salle St., Chicago, Ill., engr.

Transmission Line—Oklahoma—Nowata Pub. Serv. Co., W. A. Clark, mgr., soon takes bids 53,000 volt transmission line from Nowata to Tulsa, etc. $300,000. Private plans.

Grain Elevator—Enid, Okla—C. Munn had preliminary plans prepared 500,000 bu. capacity terminal grain elevator along tracks St. Louis & San Francisco R.R. $1,000,000. Engineer not selected.

Power Plant Equipment—Fresno, Calif.—San Joaquin Light & Power Co., Light & Power Bldg., plans to purchase 2 water wheels, one on each end of generator shaft, 40,000 hp., total capacity; horizontal generator 33,000 kva. capacity; two 200 kw. exciters, 6 truck type oil switches, motor operated disconnect switches, transformers, also 1,500 tons steel penstock, etc., all above for Balch Creek Power plant.

Ice Rink—Toronto, Ont.—University of Toronto, Queens Park, plans 1 and 2 story, 144 x 260 ft. artificial ice rink, concrete and brick. $200,000. T. R. London, Confederation Life Bldg., Toronto, engr.

BIDS DESIRED

Heating and Ventilating — Cambridge (Boston P. O.)—**Mass.**—Hegeman Harris Co., Inc., (contractors), 360 Madison Ave., New York City, taking bids heating and ventilating system in business group buildings, on Charles River near Stadium, here, for Harvard University. To exceed $25,000. McKim, Mead & White, 101 Park Ave., New York City, archts.

Baseball Field, Grand Stand, etc.—Williamsport, Pa.—J. W. Bowman, chn. Williamsport Holding Co., taking bids for baseball field with 47 x 320 ft. grandstand, 4,000 seating capacity, dressing rooms, etc. Dresser Designing Co., Cleveland, O., archts.

Rotary Kiln—Bellefonte, Pa.—See "Contracts Awarded."

BIDS RECEIVED

Inspection Shed — Corona (ind. Sta. Flushing), **N. Y.**—Bd. Transportation, 49 Lafayette St., New York City, Oct. 16, inspection shed enclosure at Corona Yard, here, from Riverdale Constr. Co., 1440 Bway., New York City, $235,000. Noted Oct. 15.

Ferryboat — New York, N. Y. — W. W. Mills, comr. Plant & Structures, Municipal Bldg., Oct. 19, steel steam screw ferryboat, from Staten Island Shipbuilding Co., 3075 Richmond Terrace, Port Richmond, $724,300. Noted Oct. 8.

Foundation—Baltimore, Md.—See "Buildings—Educational, Religious."

CONTRACTS AWARDED

Heating and Ventilating System—Boston, Mass. — Bd. Trustees Boston Sanitarium, City Hall, heating and ventilating system in out patient building, 57-61 Concord St., to Pierce & Cox, 143 Kingston St., $18,264. Noted Sept. 10.

Overhead Crossing—Comstock, N. Y.—State Hy. Dept., Albany, overhead crossing at Flatrock grade crossing, near here, to J. W. Holler Constr. Co., Fort Edward, N. Y. $125,000. Engrs. est. $150,000.

Subways — Flushing, N. Y. — Bd. Transportation, 49 Lafayette St., New York City, tracks for portion Flushing extension of Queensboro Rapid Transit R.R. near intersection of Main St. and Roosevelt Ave., here, to T. H. Reynolds, 50 Park Pl., New York City, $45,485. Noted Oct. 15.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing Sect. 4, Route 102 along and under 8th Ave. from West 38th to 47th Sts., to C. H. Locher, 149 Bway., $7,666,222. Noted Oct. 15.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., installation tracks for portion of Queensboro Subway line, to T. H. Reynolds Constr. Co., 50 Park Pl., $23,800. Noted Oct. 8.

Rotary Kiln — Bellefonte, Pa. — Amer. Lime & Stone Co., will build 9 x 175 ft. rotary kiln, by day labor, under supervision of A. C. Hewitt, engr.; Bellefonte.

Park — Phila., Pa. — Dept. Pub. Wks., improving East League Island Park in 39th Ward, incl. grading, running track, etc., to Stange Constr. Co., 2031 South Broad St., $81,393. Noted Oct. 8.

Tunnel—Cleveland, O.—Halle Bros. Co., Euclid Ave., 60 ft. structural steel and rein.-con. tunnel, 60 ft. under Huron Rd., to Hunkin-Conkey Co., Hunkin-Conkey Bldg. Archts. est. $50,000. Noted Oct. 15.

Conduits — Detroit, Mich. — Bd. Fire Commissioners, Wayne and Larned Sts. 1, 2 and 4 duct conduits in various streets, to R. A. Mercier, 5435 Wesson Ave., Detroit, $51,000.

Foundation—Marquette, Mich.—Michigan Gas & Electric Co., E. G. Jones, mgr., concrete foundation for 100,000 cu.ft. gas holder tanks, to Meads & Anderson, Marquette.

Foundation—Chicago, Ill.—See "Buildings—Commercial under Bids Desired."

Swimming Pool — Aurora, Ont. — See "Buildings—Educational, Religious."

Materials

BIDS DESIRED

Piling, etc.—Grand Forks, N. D.—Nov. 4, by C. J. Evanson, city aud., 56 pieces 32 ft., 110 pieces 51 ft. and 208 pieces 42 ft. piling, 6,000 cu.yd. loose rock, 1,500 cu.yd. gravel, etc. for dam in Red River of the North. Noted Feb. 26.

BIDS RECEIVED

Cement—Boston, Mass.—Supply Dept., 700 bbl. Atlas lumnite cement, from Massachusetts Lime & Cement Co., Cambridge, $7.45 per bbl. Noted Oct. 8.

Fuel Oil—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Oct. 13, 20,000 gal. fuel oil to Bureau of Highways, from Standard Oil Co. of New York, 26 Bway., New York City, $1,200. Noted Oct. 8.

CONTRACTS AWARDED

Fuel Oil—Boston, Mass.—Supply Dept., City Hall, about 5,461,000 gal. heavy fuel oil, to Beacon Oil Co., 111 Devonshire St., Boston, $0.0475 per gal.

Castings—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., iron casting, to Corporation Yards, to Campbell Fdry. Co., 313 Manor Ave., Harrison, N. J., $5,266. Noted Oct. 15.

CONSTRUCTION NEWS

Engineering News-Record, Oct. 29, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Bridge, Detroit, Mich., McClintic-Marshall Co., engrs., preparing plans, $12,000,000.

Piers, sheds, etc., Oakland, Calif., plans bond election, total, $7,954,600.

Office, San Francisco, Calif., Hunter-Dulin & Co. having plans prepared, $5,000,000.

Opera house, San Francisco, Calif., City and county had plans prepared, $3,000,000.

Hotel, Detroit, Mich., F. Wardell had plans prepared, $2,500,000.

Hotel, Whitefish Bay, Wis., G. H. Gottscholk plans building, $2,000,000.

Road work, Point Isabel, Tex., Gulf Coast Causeway Co. plans 119 mi. roadway, $2,000,000.

Yard and freight handling facilities, Philadelphia, Pa., Pennsylvania R.R. Co. plans improvements, $3,000,000.

Theatre and office, Rochester, N. Y., Keith-Albee Co., N. Y., plans building, $2,000,000.

Roads, Denton, Texas, Denton Co. plans bond election, $1,888,500.

Water supply, Yakima, Wash., voted bonds, $1,500,000.

Office, San Francisco, Calif., Russ Estate having preliminary plans prepared, $1,500,000.

Theatre, New York, N. Y., Fox Film Corp. having plans prepared, $1,500,000.

Railway, Minnesota, Minnesota Western R.R. Co. plans 57 mi. extension, $1,500,000.

Roadwork, Raleigh, N. C., Wake Co. voted $1,300,000 bonds.

College, New Orleans, La., Dominican Sisters having plans prepared, $1,250,000.

Bids Wanted On Big Jobs

Hotel, Brooklyn, N. Y., Leverich Realty Corp. soon takes bids, $4,000,000.

Club house, Nov. 4, Brooklyn, N. Y., McKim, Mead & White, archts., $3,000,000.

Pumping station, Nov., Knoxville, Tenn., $1,500,000.

School, Philadelphia, Pa., Nov. 4, by Bd. Educ., $1,000,000.

Hotel, Palm Beach, Fla., Nov. 9, Schultze and Weaver, archts. and engrs., $3,000,000.

Dispensary, Nov. 10, Baltimore, Md., J. E. Sperry, archt., $1,000,000.

Large Contracts Let During Week

Apartment, New York, N. Y., Two Hundred and Fifty-three West 72nd St. Corp. to H. A. Hyman, $3,000,000.

Schools, Chicago, Ill., Bd. of Educ., 5 schools to several contracts, total, $2,250,000.

Bridge, Harrisburg, Pa., F. Masters & R. Modjeski, engrs., to J. McGraw Co., $1,500,000.

Filling in, Chicago, Ill., South Park Comrs. to Great Lakes Dredge & Dock Co., $3,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Nov. 2	Alliance, O.	Oct. 22
Nov. 3	Louisville, Miss.	Oct. 22
Nov. 3	Cleveland, Miss.	Oct. 22
Nov. 4	Clara City, Minn.	Oct. 29
Nov. 4	Cleveland, O.	Oct. 29
Nov. 6	Long Island City, N. Y.	Oct. 29
Nov. 6	St. George, N. Y.	Oct. 29
Nov. 13	Bryan, Tex.	Oct. 29
Nov. 24	Lexington, S. C.	Oct. 29
Nov. 24	Tampa, Fla.	Oct. 29
	SEWERS	
Oct. 31	Long Island City, N. Y.	Oct. 29
Nov. 2	Saranac Lake, N. Y.	Oct. 29
Nov. 4	Balitmore, Md.	Oct. 29
Nov. 9	North Brunswick, N. J.	Oct. 22
	Adv. Oct. 22 and 29.	
Nov. 16	Hamilton, Ont.	Oct. 15
Nov. 16	Little Falls, N. J.	Oct. 22
Nov. 17	St. Louis, Mo.	Oct. 22
Nov. 17	St. Louis, Mo.	Oct. 29
Nov. 17	West Hickory (Sta. Hickory), N. C.	Oct. 29
Nov. 24	Louisville, Ky.	Oct. 29
	Adv. Oct. 29.	
Dec. 2	New Orleans, La.	Oct. 8
	Adv. Oct. 8 to 29.	
	BRIDGES	
Nov. 2	Jersey City, N. J.	Oct. 15
	Adv. Oct. 15 to 29.	
Nov. 2	Chareston, W. Va.	Oct. 29
Nov. 3	Oklahoma	Oct. 22
Nov. 4	Pittsburgh, Pa.	Oct. 29
Nov. 4	Portland, Ore.	Oct. 29
Nov. 5	Paola, Kan.	Oct. 15
Nov. 9	Kingman, Kan.	Oct. 15
Nov. 9	Cliff, Ky.	Oct. 22
Nov. 10	Jacksonville, Fla.	Oct. 29
	Adv. Oct. 29.	
Nov. 16	New Jersey	Oct. 29
Nov. 17	Wellington, New Zealand	Sept. 17
Nov. 17	St. Catherine, Ont.	Oct. 29
Nov. 18	Bronxville, N. Y.	Oct. 29
	Adv. Oct. 29.	
Nov. 19	Long Beach, Calif.	Oct. 29
	Adv. Oct. 29.	
Dec. 1	Washington	Oct. 29
	Adv. Oct. 29.	

Bids Close		See Eng. News-Record
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR	
Oct. 30	Boston, Mass.	Oct. 29
Nov. 4	Oroville, Calif.	Oct. 29
Nov. 7	New Orleans, La.	Oct. 29
Nov. 24	Louisiana	Oct. 15
	Adv. Oct. 15 to 29.	
Nov. 24	Ontario	Oct. 29
Dec. 15	Mobile, Ala.	Oct. 22
	Adv. Oct. 22 and 29.	
Jan. 1	Brownsville, Tex.	Oct. 1
	STREETS AND ROADS	
Oct. 30	Pennsylvania	Oct. 8
Nov. 2	Summit, Ill.	Oct. 29
Nov. 2	Detroit, Mich.	Oct. 29
Nov. 2	Cincinnati, O.	Oct. 29
Nov. 2	Long Island City, N. Y.	Oct. 29
Nov. 3	Louisiana	Oct. 15
Nov. 3	North Dakota	Oct. 22
Nov. 3	Oklahoma	Oct. 22
Nov. 3	Gulfport, Miss.	Oct. 22
Nov. 3	South Carolina	Oct. 29
Nov. 3	Oklahoma	Oct. 29
Nov. 3	Lucedale, Miss.	Oct. 29
Nov. 4	Duluth, Minn.	Oct. 29
Nov. 4	Freehold, N. J.	Oct. 22
	Adv. Oct. 22 and 29.	
Nov. 4	Bronxville, N. Y.	Oct. 22
	Adv. Oct. 22 and 29.	
Nov. 4	Pittsburgh, Pa.	Oct. 29
Nov. 4	St. George, N. Y.	Oct. 29
Nov. 4	Council Grove, Kan.	Oct. 29
Nov. 5	St. George, N. Y.	Oct. 29
Nov. 5	Florence, S. C.	Oct. 29
Nov. 5	Paola, Kan.	Oct. 15
Nov. 5	Nebraska	Oct. 29
Nov. 6	Kansas City, Kan.	Oct. 15
Nov. 6	New York	Oct. 22
	Adv. Oct. 22 and 29.	
Nov. 6	Bennettsville, S. C.	Oct. 29
Nov. 6	Texas	Oct. 29
Nov. 7	Texas	Oct. 29
Nov. 7	Kelso, Wash.	Oct. 29
Nov. 9	San Diego, Calif.	Oct. 29
Nov. 9	Kentucky	Oct. 22
Nov. 9	California	Oct. 22
Nov. 9	Kingman, Kan.	Oct. 22
Nov. 10	Louisiana	Oct. 1
Nov. 10	St. Louis, Mo.	Oct. 22
Nov. 10	Washington	Oct. 29
Nov. 10	Louisiana	Oct. 29
Nov. 12	Wahoo, Neb.	Oct. 29
Nov. 12	Florida	Oct. 22
	Adv. Oct. 22 and 29.	
Nov. 12	Michigan	Oct. 29
Nov. 13	Garden City, Kan.	Oct. 22

Bids Close		See Eng. News-Record
Nov. 15	Madison, Ind.	Oct. 8
Nov. 16	Salina, Kan.	Oct. 29
Nov. 16	New Jersey	Oct. 29
Nov. 16	Sanford, Fla.	Oct. 22
	Adv. Oct. 22 and 29.	
Nov. 16	California	Oct. 29
Nov. 17	Louisiana	Oct. 29
Nov. 17	Salina, Kan.	Oct. 29
Nov. 17	Waycross, Ga.	Oct. 29
Nov. 24	Louisiana	Oct. 8
Nov. 24	Birmingham, Ala.	Oct. 29
Dec. 7	Kentucky	Oct. 29
Dec. 7	Morgantown, W. Va.	Oct. 29
	Adv. Oct. 29.	
	BUILDINGS—COMMERCIAL	
Nov. 1	Chicago, Ill.	Oct. 22
Nov. 2	Wash., D. C.	Oct. 22
Nov. 2	Aurora, Ill.	Oct. 29
Nov. 3	Fargo, N. D.	Oct. 29
Nov. 4	Webster City, Ia.	Oct. 1
Nov. 4	Brooklyn, N. Y.	Oct. 29
Nov. 5	Omaha, Neb.	Oct. 29
Nov. 5	Baltimore, Md.	Oct. 29
Nov. 9	Palm Beach, Fla.	Oct. 29
Nov. 9	Highland Park (Detroit P. O.), Mich.	Oct. 29
Nov. 9	Trenton, N. J.	Oct. 29
Nov. 10	Baltimore, Md.	Oct. 29
Nov. 15	Aurora, Ill.	Aug. 27
Dec. 1	Youngstown, N. Y.	Oct. 22
Jan. 10	Duluth, Minn.	Oct. 29
	BUILDINGS—EDUCATIONAL, RELIGIOUS	
Oct. 31	Detroit, Mich.	Oct. 22
Nov. 4	Phila., Pa.	Oct. 29
Nov. 5	Memphis, Tenn.	Oct. 22
Nov. 5	Woodhaven (br. Jamaica), N. Y.	Oct. 22
Nov. 5	Lafayette, La.	Oct. 29
Nov. 5	Woodhaven (Jamaica P. O.) N. Y.	Oct. 29
Nov. 6	San Antonio, Tex.	Oct. 22
Nov. 9	Knoxville, Tenn.	Oct. 22
Nov. 9	Clinton, N. C.	Oct. 29
Nov. 12	Dearborn, Mich.	Oct. 29
Nov. 16	Birmingham, Ala.	Oct. 22
Dec. 1	Duluth, Minn.	Oct. 1
	FEDERAL GOVERNMENT WORK	
Nov. 5	Hull—Wilmington, Del.	Oct. 8
	Adv. Oct. 8 to 29.	
Nov. 5	Post Office—Montclair, N. J.	Oct. 15
Nov. 9	Metal Gates—Florence, Ala.	Oct. 15
	Adv. Oct. 15 to 29.	

Bids Close		See Eng. News-Record
Nov. 9	Hospital—Stapleton (Staten Island P. O.), N. Y.	Oct. 15
Nov. 11	Ash Handling System—Great Lakes (br. Waukegan), Ill.	Oct. 29
Nov. 11	Paving—San Diego, Calif.	Oct. 29
Nov. 12	Refrigerating — Rio Vista, Calif.	Oct. 22
Nov. 12	Post Office—Fulton, N. Y.	Oct. 22
Nov. 13	Dredging—San Francisco, Calif.	Oct. 29
Nov. 14	Dwelling—Mayport, Fla.	Oct. 22
Nov. 16	Power Plant—Yuma, Ariz.	Oct. 15
Nov. 16	Derrick Boat—Milwaukee, Wis. Adv. Oct. 15 to 29.	Oct. 15
Nov. 16	Addition — Fairmont, W. Va.	Oct. 29
Nov. 17	Refrigerating Plant—Oteen, N. C.	Oct. 29
Nov. 17	Water Softening Plant—Palo Alto, Calif.	Oct. 29
Nov. 24	Remodeling—Shreveport, La. Adv. Oct. 29.	Oct. 29
Nov. 25	Fence—San Francisco, Calif.	Oct. 29
Nov. 27	Dredging—Galveston, Tex. Adv. Oct. 29.	Oct. 29
Nov. 30	Institution — Alderson, W. Va.	Oct. 29
Dec. 3	Gates—Nebraska Adv. Oct. 29.	Oct. 29
Dec. 21	Dredging—Honolulu, T. H. Adv. Oct. 29.	Oct. 29

UNCLASSIFIED

Nov. 9	Wharf—Midland, Ont.	Oct. 29
Dec. 8	Steel Supports—Wellington, New Zealand	Oct. 1

MATERIALS

Nov. 3	Structural Steel — Chicago, Ill.	Oct. 29
Nov. 4	Piling, etc.—Grand Forks, N. D.	Oct. 22

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

W. Va., Harrisville—Election Nov. 10, $70,000 bonds, waterworks.

Miss., Magee—See "Sewers."

Tenn., Knoxville—Takes bids in November new pumping station, 15 m.g. filtration plant and 10 m.g. high service reservoir. $1,500,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs. Noted July 23.

Mich., Ann Arbor—Making preliminary report on water supply. Maury & Gordon, 304 South Dearborn St., Chicago, Ill., engrs.

Mich., Dearborn — G. W. Eister, Amer. State Bank Bldg., taking bids extending 11,197 lin.ft. 6- to 16-in. c.i. mains in village and township of Dearborn, for A. A. Burns Constr. Co.

Mich., Detroit—Bd. Water Comrs., G. H. Fenkell, genl. mgr., 176 East Jefferson Ave., plans 6 in. c.i. mains in 2,560 ft. Harvard Ave., 390 ft. Hazelridge Ave., 2,065 ft. Franklin Ave., 800 ft. Kilbourne Ave., 465 ft. Canavan Ave., 1,780 ft. Courville Ave., 1,815 ft. Stahelin Ave., 400 ft. Coon Ave., 1,050 ft. Graydon Ave.; 8 in. mains in 1,230 ft. Glenfield Ave., 1,050 ft. Christy Ave., 2,560 ft. Rosedale Ave., 2,080 ft. Franklin Ave., 1,015 ft. Canavan Ave., 1,565 ft. Whittier Ave., 2,360 ft. Whitehall Ave., 1,620 ft. Gratiot Ave., 375 ft. Devonshire Ave., and 2,840 ft. Liberal Ave.; 12 in. mains in 2,045 ft. Morang Dr., and 1,475 ft. Plymouth Rd., also 230 ft. 16 in. mains in Morang Dr.

Mich., Saginaw — Making preliminary report new sources of water supply in Clare Dist. Maury & Gordon, 304 South Dearborn St., Chicago, Ill., and Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Glenview—See "Sewers."

Ill., Grayslake—See "Sewers."

Ill., Lockport — Making plans and takes bids about Dec. 1, well house and pumping equipment. Maury & Gordon, 304 South Dearborn St., Chicago, engrs.

Ill., Zion—See "Sewers."

Wis., Kenosha—Alvord, Burdick & Howson, engrs., 8 South Dearborn St., Chicago, Ill., making investigation and report enlarging filtration plant, here, for City. Noted July 2.

Wis., Milwaukee—H. P. Bohmann, supt. Water Dept., plans approximately 35 mi. 6- to 16-in. and 5 mi. 20- to 54-in. mains in various streets.

Wis., Racine—Takes bids about Jan. 1, 12 m.g. mechanical filter plant with 3 m.g. clear well. $350,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.

Ia., Audubon — Making plans filtration plant. $45,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Mankato—Plans election $125,000 bonds, waterworks improvements, incl. additional wells and pumping equipment, etc. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted June 25.

Mo., Savannah — Defeated $70,000 bonds, impounding reservoir and purification system, etc. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs. Noted Oct. 15.

Mo., Sedalia—City Water Co. made plans and takes bids in November, earthen dam with concrete core wall, incl. 100,000 yd. earth fill. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, consult. engrs.

Mo., Willow Springs—Plans election $15,000 bonds, waterworks.

Tex., Asherton — Election soon $30,000 bonds, waterworks. Engineer not selected. Noted Oct. 8.

Tex., Grapeland—Voted $45,000 bonds, waterworks. Engineer not selected.

Tex., Port Arthur—Takes bids in November, 5 m.g. filtration plant. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs. J. O. Herpin, supervising engr. Noted July 23.

Tex., Tahoka — Voted $60,000 bonds waterworks improvements, mains, etc. Address Mayor. Noted Oct. 8.

Okla., Apache — Defeated $60,000 bonds for waterworks. Project dropped. Noted Oct. 1.

Idaho, Pocatello—Election in November $500,000 bonds extending water supply and mains. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., and 415 Rives-Strong Bldg., Los Angeles, Calif., engrs.

Wash., Yakima—Voted $1,500,000 bonds complete new water supply and improvements. Burns & McDonnell Eng. Co., 412 Rives-Strong Bldg., Los Angeles, Calif., and 402 Interstate Bldg., Kansas City, Mo., engrs.

Ore., Medford—Making preliminary plans for new waterworks system and construction, will make annexations necessary. $1,000,000 bonds voted. D. C. Heeney, Spalding Bldg., Portland, consult. engr.

Calif., Stockton—Pacific Gas & Electric Co., 245 Market St., San Francisco, plans 8,815 lin.ft. 6- to 8-in. mains in Yosemite sub-division, here. $27,750 funds appropriated. Private plans.

Calif., Sunnyvale—Voted $36,500 bonds, c.i. mains, etc., in various streets. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Williams—Made plans 100,000 gal. steel tank on 75 ft. tower. C. E. Sloan, Santa Fe Bldg., San Francisco, engr.

BIDS DESIRED

N. Y., Long Island City—Nov. 6, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, 30 in. steel main, etc. in Beach and North Channel Viaducts, Jamaica Bay Blvd.; also mains, etc. in Bay and Snyder Aves., Bay Ave. East and West, here.

N. Y., St. George—Nov. 6, by N. J. Hayes, comr. Water, Supply Gas & Electricity, Municipal Bldg., New York City, mains, etc. in South Ave. and Woodrow Rd., here.

N. C., West Hickory (Sta. Hickory) — See "Sewers."

S. C., Lexington—Nov. 24, by Bd. Pub. Wks., waterworks system, incl. 100,000 gal. steel tank on 50 ft. steel tower, 2- to 8-in. galvanized pipe, etc. Carolina Eng. Co., 917 Johnson Bldg., Charlotte, N. C., engrs.

Fla., Tampa — Nov. 24, by City Comn., City Hall, 20 in. pipe line across Hillsborough River from point in 7th Ave. west of Highland Ave., etc. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. Oct. 29.

O., Cleveland — Nov. 4, by Comrs. Cuyagua Co., 8,300 ft. 6- to 20-in. c.i. mains in Ridgelawn Subdivision (Impvt. 87), Snow Rd. (Impvt. 108), Broadview Rd. (Impvt. 150), Lake Rd., Rocky River (Impvt. 654), and Lake Rd. Bay Village (Impvt. 1050). F. Williams, Court House, engr.

Minn., Clara City—Nov. 4, by L. J. Tammen, village recdr., deep well pumping equipment, etc., for water system.

Tex., Bryan—Nov. 13, by J. B. Miller, city mgr., 400,000 gal. elevated steel tank. Noted Oct. 22.

BIDS RECEIVED

Conn., Wallingford—Concrete tanks, for filtration plant, from T. F. Dwyer, 97 Sheffield St., New Haven, $11,020; tile or brick housing for same, from Immick Co., State St., Meriden, $6,810. Noted Sept. 3.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Oct. 23, mains, etc., in Battery and Central Aves., also 4th and 5th Aves., here, from Carter Contg. Co., 432 79th St., $22,300 and $[illegible] respectively. Noted Oct. 15.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Oct. 23, mains, etc., in Pell Ave., etc., also 44th, 42nd Aves., etc., here, from Wataga Contg. Co., 308 Lenox Ave., New York City, $[illegible]-264 and $27,910 respectively. Noted Oct. 15.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Oct. 23, mains, etc., in Carpenter and Baychester Aves., from Riverdale Water Wks., 355 East 113th St., $29,946 and $[illegible]-733 respectively; in Andrews Ave., from Melrose Constr. Co., 230 East 162nd St., $17,945; and in Adee Beach, from C. DeBlasio, 339 7th Ave., Mt. Vernon, $20,-889. Noted Oct. 15.

Mich., Detroit—Bd. Water Comrs., Oct. 20, 30,727 ft. 8- to 36-in. c.i. mains, etc., in Division and Six Mile Rds., from J. A. McDace, 1992 Webb Ave., $121,234. Noted Oct. 8.

CONTRACTS AWARDED

New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, alterations, etc., to 72 in. pipe line in Conduit Blvd., in Queens and Nassau Counties, to Riverdale Waterworks, 355 East 113th St., New York City, $49,995. Noted Oct. 15.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Battery, Miller, 8th and 23rd Aves., Q. S. Coleman, Hendrickson and Kimball Sts., here, to Grippo Contg. Co., 85 Webster Ave., Long Island City, $20,900. Noted Oct. 22.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in 38th Ave. and 11th St., to Stanby Constr. Co., Steinway Ave., $29,365. Noted Oct. 22.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Borden Ave., here, to S. Gallucci & Sons, Railroad Ave., Carona, $16,100; and in various other streets, to Draganette Constr. Co., 1123 Clinton Ave., New York City, $12,494. Noted Oct. 15.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc. in Bennet, 5th, 1st, Lenox, Madison and 7th Aves., Leak, Croton, West 139th, 165th and 215th Sts., to Beaver Eng. & Contg. Co., 57 Chambers St., $28,131. Noted Oct. 22.

S. C., Jonesville—H. T. Hames, chn. Bd. Pub. Wks., 100,000 gal. steel tank, 14,000 lin.ft. c.i. mains, 200,000 gal rein.-con. reservoir and small sewage treatment plant, etc., to Concrete Constr. Co., 1325 Main St., Columbus, Ga., approximately $50,000.

Miss., Philadelphia — Waterworks improvements, incl. 10,760 ft. 8 in. and 19,-360 ft. 6 in. c.i. pipe, 15.5 tons specials, 47 fire hydrants, etc., to R. T. Meyers, Meridian. Noted Oct. 15.

Mich., Detroit — Bd. Water Comrs., 176 East Jefferson Ave., 2 motor driven centrifugal pumps with daily capacity 50 and 70 m.g. respectively, against 170 ft. head, to Worthington Pump & Mchy. Co., 115 Bway., New York City, N. Y., $49,500. Noted Sept. 17.

Mich., Iron Mountain—Bd. Water Comrs., 3,400 ft. 20 in. intake line, etc., for filtration plant, etc., to Phelps-Drake Co., $45,-315. Noted Sept. 24.

Ill., Zion—For 1,000 ft. well 16 in. at top and 12 in. at bottom, with pump, 100,-000 gal. elevated tank and well house, 5,000 gal. per day guaranteed flow, to Layne & Bowler Co., 37 West Van Buren St., Chicago.

Wis., Milwaukee—Dept. Pub. Wks., 6- to 16-in. c.i. mains in various streets, Notice 190, to H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, $18,626; Notice 191, to Kehrein Bros., 1304 11th St., $22,170. Noted Oct. 22.

Ia., Lamoni—For 1,000 to 1,300 ft. deep well, with 6- to 16-in. wrought iron casing, to Thorp Bros. Well Co., 224 Atlas Bldg., Des Moines. Noted Sept. 17.

Mo., Shelbina — W. K. Lasley, city clk., City Hall, 3.25 mi. 8 in. c.i. water line from Salt River to distribution mains, etc., to Pittsburgh Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia. Noted Sept. 17.

B. C., Nelson—For 20,220 lin.ft. 10- to 20-in. c.i. pipe, to Gordon & Belyea, Ltd., 157 Alexander St., Vancouver, $40,625; and 4,500 ft. 10 in. French steel pipe, to Leith Murray & Co., 510 Hastings St. W., Vancouver, $8,015. Noted Oct. 15.

Sewers

PROPOSED WORK

Mass., Webster — Plans sewerage plant. To exceed $25,000. Fay, Spofford & Thorndike, 200 Devonshire St., Boston, engrs.

R. I., Providence — Plans sewerage works in Farragut Ave., 2nd, 3rd and Alfonso Sts. $25,000. J. B. Ballard, chn. Com. on Sewers.

Conn., New Haven—Plans sewage plant, East St. To exceed $25,000. E. S. Nettleton, City Hall, engr.

N. J., West Orange—Plans trunk sewer, $412,700, and disposal plant, $480,000. A. Potter, 50 Church St., New York City, engr.

Miss., Biloxi—See "Streets and Roads."

Miss., Gulfport—See "Streets and Roads."

Miss., Magee — Making plans sewerage and waterworks improvements. $40,000 bonds to be sold Nov. 9, for same. Swanson-McGraw, Inc., Balter Bldg., New Orleans, La., engrs.

Ill., Glenview—Plans sewer and waterworks extensions. $50,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Grayslake—Soon takes bids sewer and waterworks extensions. $50,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Zion — Soon takes bids 7 to 8 mi. sanitary and storm sewers and 7 to 8 mi. cl. watermains in various streets. J. J. Craig, City Hall, engr.

Wis., Marshfield—City, c/o J. H. Schindler, city clk., plans sanitary and storm sewers in various streets in 6th Ward. $36,000. A. Westenborg, City Hall, engr.

Ia., Audubon—Making plans sewage disposal plant. $100,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Mo., Chaffee—Election in spring $30,000 bonds, complete sanitary sewerage system.

Mo., Richmond Heights (St. Louis P. O.) —Plans election $75,000 bonds, sewers in various streets.

Neb., Hastings — Making preliminary plans 15,200 ft. sanitary lateral sewers in Dist. east of Elm Ave. $25,000.

Tex., Alamo Heights — Making preliminary plans sewer improvements incl. septic tank, mains, etc. $30,000 or more. Private plans.

Tex., Ennis—Postponed until after Jan. 1, sewer extensions, incl. enlarging disposal plant, 8,000 vitr. pipe ,etc. $40,000. H. McCanless, Ennis, engr. Noted Aug. 20.

Tex., Pharr — Election Nov. 2, $45,000 bonds, sanitary sewer system. P. S. Devine, Pharr, engr.

Tex., Waco—Making plans sewage disposal plant. $200,000 or more. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs.

Calif., Fort Jones—Plans election $25,000 or more bonds, septic tank and sewerage system.

Calif., Hayward—Plans election approximately $50,000 bonds, for sewerage system. J. B. Holly, city engr.

Calif., Livermore—Plans election $48,000 bonds, 1,900 ft. sewer outlet and sewage disposal works.

Calif, Oakland — Made plans sewers to serve Foothill Blvd. Dist., 3,176 lin.ft. 16 in. and 2,455 lin.ft. 18 in. vitr. pipe, 192 lin.ft. 18 in. vitr. pipe with concrete jacket, etc. $26,000. W. W. Harmon, city engr.

Calif., Ross—Made plans 15,930 lin.ft. 4- to 8-in. vitr. sewer, etc., in Allen, Willow Aves., etc. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., San Carlos — Made plans 1½ mi. 10- to 21-in. vitr. or concrete outfall sewer in various streets. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., Watsonville—Made plans pumping and screen plant, incl. 8,000 lin.ft. 21 in. vitr. and 6,000 lin.ft. 21 in. rein.-con. pipe, two 1,400 lin.ft. lines 12 in. wrought pipe on Ocean end, and 16,500 lin.ft. 6- to 10-in. vitr. pipe, etc. H. B. Kitchen, city engr. Noted June 25.

BIDS DESIRED

N. Y., Long Island City — Oct. 31, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., barrel stave sewer in westerly end 5th Ave.; and combined sewer, etc., in 133rd St.

N. Y., Saranac Lake—Nov. 2, by Water & Sewer Commissioners, for sanitary sewers. H. Hull, village engr.; adv. E. N.-R. Oct. 29.

Md., Baltimore—Nov. 4, by Bd. Awards, storm drains and sanitary sewers as listed in Contr. 244, incl. 4,700 lin.ft. 24- to 48-in. rein.-con. pipe, 4,200 lin.ft. 15- to 24-in. vitr. pipe drain, 14,900 lin.ft. 8- to 10-in. vitr. pipe. M. J. Ruark, City Hall, sewerage engr.

N. C., West Hickory (Sta. Hickory) — Nov. 17, by W. P. Austin, mayor, sewerage and waterworks systems. Carolina Eng. Co., 917 Johnson Bldg., Charlotte, engrs.

Ky., Louisville — Nov. 24, by Commissioners of Sewerage, Bd. of Trade Bldg., 3rd and Main Sts., Central Relief Extensions, Contr. 24, J. B. F. Reed, ch. engr. Adv. E. N.-R. Oct. 29. Noted Oct. 22.

Mo., St. Louis — Nov. 17, by Bd. Pub. Serv., 208 City Hall, for Camp Springs Public Relief Sewer, Plan A, 9 ft. rein.-con. horseshoe or 8 ft. 6 in. circular diam. pipe in 2,095 ft. brick lined tunnel or open cut, 7 x 7 ft. horseshoe in 1,326 ft. concrete lined tunnel, 6 x 6 ft. horseshoe in 2,885 ft. concrete tunnel, 7 construction and 8 intake shafts, $510,000, or Plan B, Sect. 1, 9 ft. rein.-con. horseshoe in 2,080 ft. open cut, $180,000, Plan B, Sect. 2, 7 x 7 ft. horseshoe in 1,330 ft. concrete lined tunnel, 6 x 6 ft. concrete horseshoe in 2,485 ft. tunnel, 6 x 6 ft. concrete or brick horseshoe in 400 ft. tunnel, 5 construction and 5 intake shafts, etc. $330,000; for Rock Springs Public Relief Sewer, 15,440 ft. 6- to 69-in. vitr. clay, brick or segmental tile pipe, $283,000; Ohio Montrose Public Relief Sewer, Sect. C, 4,790 ft. 6- to 39-in. vitr. clay, brick or segmental tile pipe $45,000, Sect. D of above 4,945 ft. 6- to 66-in. vitr. clay, brick or segmental tile pipe $79,000, and Sect. E of same 5,020 ft. 6- to 45-in. vitr. clay, brick or segmental tile pipe $56,000. W. W. Horner, 300 City Hall, engr. Noted Sept. 24.

Wash., Kelso—See "Streets and Roads."

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Oct. 20, sanitary sewers, etc., in 150th St., from Necaro Co., Inc., 95 Court St., Brooklyn, A $499,423, B $470,645.

Wis., Milwaukee—Metropolitan Sewerage Comn., 508 Market St., J. H. Fowles, secy., Oct. 20, two 600 gal. ejector pots for booster station, Fairmount Ave., from Yeomans Bros. Co., 1433 Dayton Ave., Chicago, Ill., $11,710 and $10,830. Noted Oct. 15.

Ia., Sioux City—F. A. Garnsey, city clk., Oct. 3, extending 1,450 ft. Perry Creek Conduit, 14 ft. deep, 39 ft. wide, from present outlet to Missouri River, from W. B. Carter, U. B. Bldg., $314,567.

CONTRACTS AWARDED

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, combined sewers in Flatlands Ave. and East 94th St., to Carozza Road Constr. Co., 22 Germania Pl. $43,076. Noted Oct. 22.

N. Y., Glen Cove—City Clerk, sewer extensions in various streets, Contr. 1, to Underhill & Son, Glen Cove, $100,696; Imhoff tanks, Chlorine building and connecting pipe, Contr. 2, from Merritt, Chapman & Scott, 17 Battery Pl., New York City, (a) $71,860 (b) $84,240; pumping station, Contr. 3, from F. M. Lewis & Sons, Bloomfield, N. J., $82,830 not awarded. Noted Oct. 15.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers, etc., in Pierce Ave. and Linn St., to J. Gallo, 203 Division St., Brooklyn, $1,222 and $50,504 respectively. Noted Oct. 22.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc. in Bay and Canal Sts., St. Pauls and Midland Aves., etc., here, to G. V. Cornell, Rosebank, S. I., $60,032. Noted Oct. 22.

S. C., Jonesville—H. T. Hames, chn. Bd. Pub. Wks., sewerage system, to Concrete Constr. Co., 1325 Main St., Columbus, Ga., approximately $27,000.

Fla., Vero Beach — H. T. Redstone, city clk., rein.-con. sewage disposal plant, etc., to Erler Corp., Tampa, $32,000.

Miss., Philadelphia — For 6 mi. sewer mains and 2 mi. watermains in various streets, to R. T. Myers Constr. Co., Meridian. Engrs. est. $50,000.

Mich., Detroit—Dept. Pub. Wks., 12- to 24-in. vitr. sewer in Storm Lateral 4481, Haverhill Ave., and Storm Lateral 4482, Devonshire Ave., to L. W. Kinner, 1524 Clairmount Ave., $7,941 each; Lateral Sewer 4490, and Lateral Sewer 4502, to T. D. Nolan, 1134 Woodward Ave., $12,475 and $10,635 respectively. Grand total $38,992.

Ill., East St. Louis — See "Streets and Roads."

Wis., Milwaukee — Dept. Pub. Wks., to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., vitr. or concrete storm and sanitary sewers in Lisbon Ave. $733, Austin St. $7,605, Chambers St. $1,708, 53rd St. $1,812, Mill St. $687, and Superior St. $869; to Szukalski & Matke, 1089 American Ave., 11th Ave. $7,878, and Ullrick Ave. $1,267; to H. Hohensee, Ludington Ave., Wauwatosa, Euclid Ave. $697, and Jordan Ave. $44,296; to P. & L. Co., 1107 Humboldt Ave., 54th St. $2,536; to Kekrein Bros., 1304 11th St., 25th St. $2,170; and to Mierswa Constr. Co., 1219 Oregon St., Oshkosh, Hawley Rd. $9,737. Grand total $81,995.

Ia., Delmar — For 9,177 ft. 8 and 10 in. sewers in various streets, etc., to Dearborn Constr. Co., Waterloo Savings Bank, Waterloo, $8,993; disposal plant, to H. C. Graham, Higley Bldg., Cedar Rapids, $10,765. Noted Mar. 19.

Ia., Sioux City—F. A. Garnsey, city clk., removing excess earth in old channel Perry Creek, rebuilding 1,400 ft. storm water conduit, 15 ft. high and 39 ft. wide, and sanitary sewers, outlet and repaving where necessary, to W. B. Carter, 606 United Bank Bldg., Sioux City, $314,568.

Mo., Kansas City — Sewers in Div. 7, Dist. 522, to T. P. Thomson, 3908 Forest Ave., $37,545.

Mo., St. Louis—A. R. Schollmeyer Realty Co., 104 North 7th St., complete sewerage system in Southwest Park Subdivision, to G. Minor, c/o Municipal Contractors Assn., Fullerton Bldg., $32,000.

Mo., St. Louis—For Sect. B of River Des Peres Sewer, 1,000 to 1,500 ft. partially lined open channel, 140 ft. wide at bottom, 18 ft. deep, to J. J. Dunegan, c/o job, St. Louis, cost plus basis. If 1,000 ft. $100,000 maximum and if 1,500 ft. $150,000 maximum. Work to continue until contractor strikes rock.

Tex., Brownfield—J. J. McGowan, mayor, sewerage system and disposal plant, to Kirkwood, Wharton & Lee, 456 Main St., San Antonio, $47,379. Noted July 30.

Waste Disposal

BIDS RECEIVED

N. Y., New Dorp (Sta. Staten Island)—J. A. Lynch, pres. Richmond Boro, Boro Hall, Oct. 20, building and runway of garbage incinerator, here, from J. Milnes & Co., Port Richmond Natl. Bank Bldg., Port Richmond, $183,500; also for plumbing and drainage from R. W. Baylor, 6311 5th Ave., Brooklyn, $2,050. Noted Oct. 8.

CONTRACTS AWARDED

La., Monroe — City Council, incinerator plant, Grammont and 13th Sts., to Nye Odorless Crematory Co., Macon, Ga., approximately $12,000.

Bridges

PROPOSED WORK

Michigan—McClintic-Marshall Co., engrs., Oliver Bldg., Pittsburgh, Pa., preparing plans 1 mi. steel bridge across Detroit River, from Detroit to Windsor, here, for J. A. Bower and associates, New York Trust Co., 100 Bway., New York City, N. Y. $12,000,000. Coverdale & Colpitts, 66 Bway., New York City, N. Y., consult. engrs.

Ia., Des Moines — Making preliminary plans 1,950 ft. rein.-con. viaduct, 20 ft., on Southeast 6th St. between Raccoon and Walnut Sts. $400,000. J. M. Tippee, City Hall, engr.

Kan., Pratt — Pratt Co. making preliminary plans 2 rein.-con. bridges over Ninescah River, one 5 mi. east of here, $36,000, and other 1 mi. west of here, $16,000.

Kan., Salina—See "Streets and Roads."

Tex., Carthage—See "Streets and Roads."

Tex., Childress—See "Streets and Roads."

Tex., Decatur—See "Streets and Roads."

Tex., Hereford—See "Streets and Roads."

Tex., Kaufman—See "Streets and Roads."

Tex., Madisonville — See "Streets and Roads."

Tex., Quanah—See "Streets and Roads."

Tex., Sweetwater — See "Streets and Roads."

Tex., Tulia—See "Streets and Roads."

Tex., Yoakum—See "Streets and Roads."

Nev., Reno — Plans election, bonds to exceed $70,000, bridge over Truckee River, on Center St. H. Chism, city engr.

California—See "Streets and Roads."

Ont., Niagara Falls — Lower Steel Arch Bridge Co., Niagara Falls, N. Y., plans widening 40 ft. bridge across Niagara Falls, here. $50,000.

BIDS DESIRED

N. Y., Bronxville — Nov. 18, by Westchester Co. Park Comn., 72 West Pondfield Rd., 2 stone faced rein.-con. bridges, one at East Lincoln Ave., Mt. Vernon, and other East 3rd St., Mt. Vernon and Pelham, over Hutchinson River Parkway Dr. J. Downer, ch. engr.; adv. E. N.-R. Oct. 29.

New Jersey—Nov. 16, by State Hy. Comn., Trenton, rein. con. slab bridge over

Bridges (Continued)

Muskee Creek, at M.P. 16.7, on Route 15, Cumberland Co. A. L. Grover, secy.; adv. E. N.-R., Oct. 29.

Pa., Pittsburgh—Nov. 4, by Comrs. Allegheny Co., superstructure and approaches for Liberty Bridge 10, steel, over Monongahela River, incl. 11,000 tons steel. $200,000. County Bureau of Bridges, Dept. Pub. Wks., 519 Smithfield St., engrs. Noted Jan. 22.

W. Va., Charleston — Nov. 2, by H. C. Walker, city mgr., superstructure 3 span 390 ft. bridge across Elk River. H. L. Campbell, 1550 Lewis St., engr.

North Carolina — State Hy. Dept., Raleigh, Oct. 13, rein.-con. bridges and culverts on Project 241, Johnson Co., from J. L. Brinkley & Sons, Thomasville, $25,575; on Project 394, Robeson Co., from Conrad Constr. Co., Florence, S. C., $83,452; on Project 523, Davidson Co., from J. M. Kesler, Winston-Salem, $24,521; on Project 753-B, Stokes Co., from M. T. McArthur, Johnson City, Tenn., $30,737; on Project 347, Cumberland Co., from Kuehn, Englehardt & Thomas, Franklinton, $30,-251; and on Project 948, Haywood Co., from J. M. Gregory & Co., Pittsboro, $31,-548. Noted Oct. 8.

South Carolina—See "Streets and Roads."

S. C., Bennettsville — See "Streets and Roads."

Fla., Jacksonville — Nov. 10, by Comrs. Duval Co., removing existing bridge and constructing concrete highway bridge across Little Pottsburg Creek on Atlantic Blvd., Road 2. J. F. Hammond, chn.; adv. E. N.-R. Oct. 29.

Kan., Minneapolis — See "Streets and Roads."

Texas—See "Streets and Roads."

Ore., Portland—Nov. 4, by O. Laugaard, city engr., bridge over Vista Ave., incl. 5,400 cu.yd. concrete, 607,000 lb. steel, 42,-000 lb. steel rails, 54,000 lb. structural steel, 200 sq.yd. concrete or asphalt sidewalks, etc. $190,000.

Washington—Dec. 1, by State Hy. Dept., Olympia, 2,474 ft. steel and concrete bridge over Columbia River, on State Rd. 7, Vantage Ferry. J. W. Hoover, highway engr.; adv. E. N.-R. Oct. 29.

Calif., Long Beach — Nov. 19, by C. H. Windham, city mgr., City Hall, 570 ft. concrete bridge, 70 ft. over County Flood Control Channel, at Bway. R. D. Van Alstine, city engr.; adv. E. N.-R. Oct. 29.

Ont., St. Catherine—Nov. 17, by J. W. Pugsley, secy. Dept. Railway & Canals, Ottawa, highway swing bridge, Queenston St., here. $100,000.

BIDS RECEIVED

Va., Lynchburg — E. A. Beck, city mgr., Municipal Bldg., Oct. 12, transforming wrought iron viaduct into rein.-con. structure, known as Rivermont Viaduct, across Blackwater Creek, from Whiting & Turner, Stewart Bldg., Baltimore, Md., $413,802. Noted Sept. 17.

Kan., Emporia — C. G. Whitaker, clk. Lyon Co., Oct. 16, 2 span 140 ft. thru arch concrete bridge, 20 ft. roadway, on county line near Hartford, Lyon and Coffey Counties, from C. A. Clark, Wichita, $37,296. Noted Oct. 1.

Tex., Palestine—See "Streets and Roads."

CONTRACTS AWARDED

New Jersey—State Hy. Comn., Trenton, Oct. 5, 5 bridges over branches Rockaway Creek, on Route 9, Sect. 17 between Whitehouse and Lebanon, to J. W. Rogers, Succasunna, $26,434. Noted Sept. 17.

Pa., Harrisburg — F. Masters & R. Mojaski, engrs., Calder Bldg., for Market St. Bridge, incl. sixteen 88.5 ft. concrete arch spans and moving sixteen 88.5 ft. steel spans to new piers over Susquehanna River, to J. McGraw Co., Commercial Trust Bldg., Phila., for Harrisburg Bridge Co. Approximately $1,500,000 (some alternates not yet decided). Noted May 21.

Pa., York—Comrs. York Co., 5 span, 386 ft. rein.-con. bridge over Big Conewago Creek, on Susquehanna Trail, to Wagman Bros., Dallastown, $102,484.

North Carolina—See "Streets and Roads."

Alabama—State Hy. Comn., Montgomery, several small concrete bridges on Scottsboro-Tennessee State line Rd., Sect. A, Jackson Co., and on Flomaton-Perdido Station Rd., Escambia Co., to Lamb & McLemore, Eutaw, $86,743 and $25,029 respectively.

Kan., Dodge City—Ford Co., seven 92.5 ft. steel truss spans on Federal Aid Project 236-A, incl. 3,160 ft. wooden piling, etc., to Economical Bridge Assn., 2419 South St., Lincoln, Neb.

Neb., Omaha — Union Pacific R. R. Co., and Union Stock Yards Co., 1416 Dodge St., 500 tons structural steel for timber and steel bridge at 27th and L Sts to McClintic-Marshall Co., 38 South Dearborn St., Chicago, Ill. Engrs. est. $360,000. Noted Oct. 22.

Ia., Ft. Dodge—Removing old bridge and constructing new 280 ft., rein.-con. viaduct, on Fair St. to C. E. Larson, Ft. Dodge, $48,763. Noted Aug. 6.

Missouri—State Hy. Dept., Jefferson City, to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, two 12 ft. rein-con slab spans, etc, over stream, Grundy Co. $4,764; to Schultz Constr. Co., Parsons, Kan., three 20 ft. rein.-con. slab spans, etc., over stream $3,877, and three 24 ft. rein.-con. slab spans, etc., over West Fork, $4,747, both in Barton Co.; to L. Rich Constr. Co., East St. Louis, Ill., three 24 ft .rein.-con. slab spans, etc., over St. Louis & Hannibal R.R. tracks $6,539, three 35 ft. rein.-con. deck girder spans, etc., over Plum Creek $7,040, two 80 ft. steel truss and five 20 ft. rein.-con. slab spans, etc., over Spencer Creek $20,447, all foregoing in Ralls Co.; to Knox & Penzel, Jackson, three 40 ft. rein.-con. deck girder spans, etct., over Goose Creek, Cape Girardeau Co., $6,808; to Tate & Hancock, St. Louis, one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc., over Missouri Pacific R.R. tracks, Jefferson Co., $10,430; to R. M. Davies & Sons, Slater, three 45 ft. rein.-con. deck girder spans, etc., over Long Branch, Audrain Co., $8,236; to J. T. Morris, Oregon, one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc., over Town Branch $9,733, and one 45 ft. rein.-con. deck girder span, etc., over Thompson Branch, $6,552, both in Gentry Co.; and to R. H. Sharp, Reeds Springs, one 70 ft. steel truss span, etc., over Sons Creek, Dade Co., $12,718. Grand total $101,891. Noted Oct. 8.

Tex., Barstow—See "Streets and Roads."

Tex., Fort Worth — See "Streets and Roads."

Tex., Jourdanton — See "Streets and Roads."

Tex., Jourdanton—Atascosa Co., 1 steel span, 506 ft. overpass and concrete bridge across Atascosa River, on State Highway 9, 175,098 lb. reinforcing, etc.; to Armstrong & Armstrong, Box 573, Roswell, N. M., and El Paso, Tex., $55,262. Engrs. est. $60,500. Noted Sept. 24.

Tex., Waxahachie — See "Streets and Roads."

B. C., Spuzzum—Dept. Pub. Wks., Victoria, rein.-con. and mass concrete piers for new suspension bridge over Fraser River, here, to A. B. Palmer & Co., 736 Granville St., Vancouver, $30,000.

Dam

CONTRACTS AWARDED

Ill., Streator—Streator Aqueduct Co., concrete dam, 9,400 cu.yd. excav., etc., to B. Layton, Kirksville, Mo., $96,975. Noted Sept. 3.

Railways

PROPOSED WORK

Pennsylvania — Pennsylvania R.R. Co., c/o J. O. Hackenburg, supt. Phila. Terminal Div., 34th St. and Powelton Ave., Phila., plans new produce yard and other extensive facilities for handling city's freight traffic, incl. two 1 story, 100 x 650 ft. freight sheds, cold storage warehouse with 75,000 sq.ft. storage area, etc., on 41 acre tract on Delaware, Vandalia, Packer and Pattison Aves., in South Phila. Total cost $3,000,000. A. C. Shand, Broad St. Sta., Phila., ch. engr.

Wisconsin—Chicago & Northwestern Ry. Co., West Jackson and Franklin Sts., Chicago, Ill., W. J. Towne, ch. engr., making plans taking up and rerouting Lake Shore division tracks in Shorewood and Whitefish Bay, here. Village of Shorewood election Nov. 3, $49,000 bonds and Village of Whitefish Bay $119,000 bonds, agreeing to raise additional $19,000 later, to be paid to Chicago & Northwestern R.R. for rerouting tracks.

Minnesota—Minnesota Western R.R. Co., W. L. Luce, pres., 2823 6th Ave. N., Minneapolis, plans extending 57 mi. railroad between Lake Lillian and Dawson. $1,-500,000. J. Olson, c/o owner, engr.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Tex., Cooper—Delta Co. Levee Impvt. Dist. 1, plans election $165,000 bonds, levee improvements. Address County Engineer.

Tex., Kaufman — Kaufman Co. Levee Impvt. Dist. 4, making preliminary plans 30 mi. levees to reclaim 12,000 acres. $[illegible]000 bond election soon. Address County Engineer, Kaufman.

Calif., Marysville—Linda, D.D., c/o L. F. Albrecht, Foresters Bldg., plans gravity system of drainage for 5,000 acres, Yuba Co., water to be taken from Yuba River. Bonds will be voted to finance project. Engineer not selected.

Calif., Oakland—Plans election $350,000 bonds dredging in Oakland Harbor. W. W. Harmon, city engr.

BIDS DESIRED

Mass., Boston—Oct. 30, by Schoolhouse Dept., excavating portion lot at New Dorchester High School. $15,000-$20,000. Private plans.

La., New Orleans—Nov. 7, by Bd. State Engineers, 213 New Courthouse Bldg., Atchafalaya and Lafourche Basin Levee Dist., for 30,000 cu.yd. dredging in Bayou Lafourche Dyke, Ascension Parish.

Calif., Oroville—Nov. 4, by W. J. Monro, secy. Oroville-Wyandotte Irrigation Dist., reconstructing Hansonville-Bangor-Sunny Slope Ditch, Butte Co., 15,000 lin.ft. ditch and 40 cu.yd. rubble wall.

Ontario—Nov. 24, by J. W. Pugsley, secy. Dept. Railways & Canals, Ottawa, steel mitering lock gates, for Welland Ship Canal.

Ont., Midland—See "Unclassified."

BIDS RECEIVED

N. Y., Albany—Albany Port Dist. Comn., 100 State St., 36 borings in 36 days, from Germantown Artesian Well Co., Germantown, $17,000; in 60 days, from Phillips & Worthington, 90 West St., New York City. Noted Oct. 15 under "Unclassified."

N. Y., New York — M. Cosgrove, comr. Docks, Oct. 26, dredging at West 47th St., North River, Contr. 1865, from Morris & Cummings, 17 State St., $20,000. Noted Oct. 22.

CONTRACTS AWARDED

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., retaining wall on west side Harlem River, to Rose Bros., $44,719. Noted Oct. 22.

North Carolina—See "Streets and Roads."

N. C., Morehead City — Dredging and constructing boat basin and harbor of 50 acres at Morehead Bluffs, near here, incl. from 260,000 to 850,000 cu.yd. excav., from Coral Bay, also cutting channel 8 ft. deep at low water from Bogue Sound Channel to Coral Bay, to C. W. Hodges, Norfolk, Va.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., filling in along lake front from East 23rd to East 39th Sts., incl. 5,555,900 cu.yd. excav., etc., to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., approximately $3,000,000. Noted Sept. 17.

Iowa—Cass-Pottawatamie Joint D. D. 1, 8 mi. drainage ditches and new course for East Nishnabotna River, through Cass Co. (Atlantic) and Pottawatamie Co. (Avoca), incl. 504,500 cu.yd. excav., etc., to J. Boyne, 901 9th Ave., Council Bluffs, at $0.064 per cu.yd.

Ia., Atlantic—Nishnibotna D. D. 5, Cass Co., c/o J. M. Ward, clk., Court House, 4 mi. drainage ditch along East Nishnabotna River, incl. 267,594 cu.yd. excav., to J. Boyne, 901 9th Ave., Council Bluffs, at $0.064 per cu.yd. Noted Oct. 8.

Ia., Sioux City—See "Sewers."

Neb., Omaha—See "Buildings—Commercial under Bids Desired."

Manitoba—Reclamation Branch Provincial Government, Winnipeg, approximately 260,000 cu.yd. excav. in North Norfolk, Portage la Prairie, and Westbourne, to Western Drainage Co. Ltd., Winnipeg. $33,800.

Streets and Roads

PROPOSED WORK

Mass., Lowell — Voted $55,000 bonds repairing various streets. Private plans.

R. I., North Providence (mail Providence)—Plans repaving Charles St. $25,000. Private plans.

N. C., Raleigh—Wake Co. voted $1,300,-000 bonds hardsurfacing various roads, under direction State Highway Comn.

Ga., Dalton—Whitfield Co., election Nov. 17, $400,000 bonds, improving various roads.

Ga., Ft. Valley—Peach Co. election Nov. 5, $200,000 bonds, hardsurfacing various roads. M. C. Mosely, judge.

Miss., Biloxi—Soon takes bids grading, curbing, sewering and asphalt or concrete surfacing various streets in Bay Terrace

Streets and Roads (Continued)

subdivision. $125,000. J. W. Billingsley, Inter State Bldg., New Orleans, La., engr.

Miss., Gulfport—Harrison Co. plans election $650,000 bonds, concrete, bituminous asphalt, Warrenite or asphalt paving, concrete curbing, sewering and concrete sidewalks 63 projects. H. D. Shaw, 14th St. and 24th Ave., engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans improving 4.5 mi. Arlington-Fayette Co. line Rd., Shelby Co. J. G. Creveling, comr.

Mich., Detroit—Plans Berea, Medina or concrete curbing and 3½ in. sheet asphalt on 8 in. concrete paving 5,475 sq.yd. Griggs Ave. $18,960, 3,720 sq.yd. Bessemore Ave. $15,790, 2,170 sq.yd. Ilene Ave. $9,170, and 2,500 sq.yd. Roselawn Ave., $10,620, all 28 ft.; 4,529 sq.yd. Ilene Ave. $19,220, 3,340 sq.yd. Casper Ave. $14,170, 3,290 sq. yd. Washburn Ave. $13,950, and 2,700 sq. yd. Northlawn Ave. $11,400, all 30 ft. P. A. Fellows, City Hall, engr.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., soon takes bids grading, curbing, guttering, laying and rolling bed of cinders for roads in Marquette Park. $40,000. L. White, c/o owner, ch. engr.

Ill., Granite City—Soon takes bids grading, curbing, widening and hard surfacing State St. $79,250. W. W. Kerch, 1st Natl. Bank Bldg., engr.

Ill., Grayslake—Soon takes bids concrete paving 26,000 sq.yd. various streets. $130,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Lamont—Soon takes bids concrete paving 25,000 sq.yd. various streets. $150,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Zion—Soon takes bids concrete sidewalks on various streets. $25,000. J. J. Craig, City Hall, engr.

Wis., Fond du Lac — J. Hohensee, city clk., making plans rein.-con., asphaltic concrete, sheet asphalt and vibrolithic concrete paving during 1926, Thomas, Lexington, Hickory, North Sibley, East Sibley, Greenwood, Elizabeth, Emma, Forest, East 10th, Vincent and Walker Sts. G. Stanchfield, City Hall, engr.

Kan., Salina—Saline Co. soon takes bids grading 5.028 mi. Federal Aid Project 296-A, 2.416 mi. same road Sect. B, and 100 ft. truss bridge, 20 ft. wide on Sect. C. W. H. Cost, Court House, engr.

Mo., Chaffee—Making preliminary plans grading, curbing, concrete paving, etc., various streets. To exceed $30,000. C. E. Smith & Co., Railway Exch. Bldg., St. Louis, engrs.

Mo., St. Louis—Made preliminary plans grading, curbing and concrete paving Wilcox Ave. between Ridgewood and Elenore Sts. $5,800; shallow granite block or vitr. brick paving, etc., Arlington St. between Brown Ave. and alley in City Block 5009 $11,140-$13,700; rein.-con. paving, etc., Harney Ave. between Emerson St. and alley in City Block 5526-5527 $12,450, Kansas St. between Gravois and Printz Sts., $16,600; asphaltic or rein.-con. paving, etc., Bay St. from Keokuk St. to open $3,550-$3,800, Hoffman St. between Watson Rd. and Clifton St. $4,990-$5,430, Hoffmann St. between Clifton St. and Tamm Ave. $11,800-$12,950, Frieda St. between Morgan Ford Rd. and Gravois St. $8,470-$9,100; amiesite, vibrolithic concrete, Warrenite, bitulithic, asphalt or vitr. brick paving, etc., Newstead St. between Race Course and Hunt St. $6,400-$7,650, Tamm Ave. between Southwest and Odell Sts. $24,450-$29,250, Penrod St. between Wabash and McCausland Sts. $17,050-$18,500, and Adkins Ave. between Walsh and Schiller Sts. $10,600-$12,750. W. W. Horner, city engr.

Ark., Pine Bluff—Soon takes bids grading, curbing and paving Cedar St. from 13th to 16th Sts. and 16th St. from Cedar to Cherry Sts., in Paving Dist. 84. $51,567.

Tex., Amarillo — Plans election $35,000 bonds, permanent paving 6 blocks Harrison St. from 6th to 10th Sts., 45 ft. H. B. Jones, Amarillo, city engr.

Tex., Carthage — Panola Co. making plans grading and bridging 5.2 mi. Highway 8, from Carthage north toward Grand Bluff. $70,000. D. E. Martin, Carthage, engr.

Tex., Childress — Childress Co. election soon $1,200,000 or more bonds grading, bridging and hard paving 40 mi. Highway 40, 18 ft. L. O. Cox, Amarillo, div. engr.

Tex., Cuero — DeWitt Co. election Nov. 21, $200,000 bonds constructing roads in Dist. 2. Address S. Kulawik, Cuero, co. judge.

Tex., Decatur — Wise Co. making plans grading, bridging and crushed stone paving 8.2 mi. State Highway 39, between Bridgeport and Sandy Creek, 16 ft. $143,400. H. R. Smith, Decatur, co. engr.

Tex., Denton—Denton Co. election soon $1,888,500 bonds hardsurfacing about 80 mi. main roads. Address County Commissioners.

Tex., Floydada — Floyd Co., making surveys improving 13 mi. highway from here to Crosbyton. $160,000. G. A. Lider, Floydada, surv.

Tex., Haskell—Haskell Co. election Nov. 7, $100,000 bonds highway improvement in Sagerton Rd. Dist. J. G. Foster, Haskell, co. engr.

Tex., Hereford—Deaf Smith Co. election soon $100,000 bonds, grading and bridging 22½ mi. Highway 23, 18 ft. E. W. Wilson, Hereford, co. judge.

Tex., Kaufman — Kaufman Co., making plans grading, bridging and concrete surfacing 12 mi. State Highway 15, extending southeast from Dallas Co. line, 18 ft. $350,000. S. J. Treadway, Terrell, engr.

Tex., Kingsville—Election soon $200,000 bonds permanent paving various streets. Agar & Gentry, San Benito, engr.

Tex., Lagrange—Fayette Co. voted $25,000 bonds gravel surfacing 8 mi. various roads. R. E. Schiller, Lagrange, engr.

Tex., Madisonville—Madison Co. making plans grading and bridging 37 mi. Highway 21, between here and Bryan. $300,000. A. McCormack, Madisonville, engr.

Tex., Point Isabel—Gulf Coast Causeway Co., Point Isabel and Galveston, making preliminary surveys 18 ft. tarviated, sand and gravel surfacing 119 mi. Sea Level Pike, 200 ft., incl. 4 causeways, etc. $2,000,000. Private plans.

Tex., Quanah — Hardemann Co. making plans grading, bridging and hardsurfacing 54 mi. Highway 5. $1,200,000. J. B. Nabors, Quanah, engr.

Tex., Raymondville — Willacy Co., voted $300,000 bonds hardsurfacing 17 mi. Main Highway, 18 ft. W. H. Head, Raymondville, co. judge. Noted Oct. 8.

Tex., San Antonio — Bexar Co. making preliminary surveys widening about 16 mi. Old Spanish Trail, 100 ft. $75,000 or more. A. C. Pancoast, 102 Turner St., engr.

Tex., Sinton — San Patricio Co. making preliminary plans asphalt paving about 7 mi. road through Portland and shell road to causeway. $30,000. H. T. Field, Sinton, div. engr.

Tex., Sweetwater—Nolan Co. soon takes bids grading, bridging and bituminous macadam paving 7.82 mi. State Highway 70, 18 ft. $86,975. J. A. Focht, Sweetwater, co. engr.

Tex., Tulia — Swisher Co. election soon $150,000 bonds grading and bridging 30 mi. Highway 9, from Hale Co., to Randall Co. line. L. C. Cox, Amarillo, div. engr.

Tex., Wichita Falls—Election Nov. 10, $100,000 bonds, paving various streets. F. M. Rugely, city engr.

Tex., Yoakum—Lavaca Co. election Nov. 21, $200,000 bonds paving and bridging about 9 mi. roads in Road Dist. 2, Yoakum and Hocheim Counties. W. H. Koether, Yoakum, co. engr.

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans grading and concrete paving 10,560 sq.yd. Ada-Roff Rd., Pontotoc Co. $32,000. J. M. Page, highway engr.

Okla., Durant — Bryan Co. making preliminary plans grading 35 mi. Durant-Achille Rd., 24 ft., 165,000 cu.yd. earth and 4,880 cu.yd. rock excav., and 71,700 cu.yd. borrow. $45,000. V. L. Stinson, Durant, engr.

Okla., Guthrie—G. L. Anderson, city clk., received no bids Oct. 9, grading, curbing and brick on concrete surfacing 14 blocks Bored, Grant, Walnut and Vilas Sts. as district was protested out. Noted Oct. 1.

Okla., Lawton—Plans grading, curbing and concrete paving 12,430 sq.yd. 6th and 11th Sts. $38,800. G. C. Dale, Lawton, engr.

Ore., Medford—See "Waterworks."

California—Sacramento Co. (Sacramento) and Contra Costa Co. (Martinez) made plans constructing 12 mi. Joint Highway Dist. 4, Delta Region, incl. bridge, $500,000. C. W. Deterding, Jr., Court House, Sacramento, surv. Noted Aug. 20.

Calif., Compton—Made plans improving Bowen Ave., etc., 6,200 lin.ft. curbing, 53,100 sq.ft. grading, 24,900 sq.ft. sidewalks, and 53,100 sq.ft. 5 in. concrete paving. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Glendale — Made plans curbing, guttering, sidewalks and 6 in. concrete paving, etc., Glen Oaks Blvd. and portions of other streets. To exceed $250,000. J. F. Johannsen, city engr.

Calif., Martinez—Contra Costa Co. made plans improving Road Impvt. Dist. 3, 15,000 sq.ft. 3 in. asphaltic concrete paving, and 500,000 sq.ft. repair roadway, etc. $25,000. W. S. Farley, Monadnock Bldg., San Francisco, engr.

Calif., Mill Valley—Rejected bids grading and concrete paving, etc., 46,000 sq.ft. Cascade Dr. To exceed $50,000 . J. C. Oglesby, town engr. Noted Oct. 22.

Calif., Nevada City—Voted $43,000 bonds, paving various streets.

Calif., Oakland — Made plans improving portions Carmel, Morgan, Maple Aves., etc., 6,011 cu.yd. excav., 3,124 lin.ft. concrete curbing, 6,369 sq.ft. guttering, 43,288 sq.ft. macadam paving, 19,942 sq.ft. sidewalks, etc. W. W. Harmon, city engr.

Calif., Pomona—Made plans 6 in. concrete paving 109,379 sq.ft. Gibbs St. between Holt and 5th Sts. F. C. Froehde, city engr.

Calif., Redondo Beach—Made plans improving Lucia Ave., 93,552 sq.ft. 6 in. asphaltic concrete paving, 2,761 lin.ft. grading, 2,567 ft. 18 in. curbing, 15,803 sq.ft. guttering, etc. V. Staheli, city engr.

Calif., Redwood City—Made plans grading, curbing, and 5 in. vibrolithic concrete paving 83,859 sq.ft. Myrtle James Sts., etc. C. L. Dimmitt, city engr.

Calif., Riverside — Riverside Co. made plans grading and asphalt on 5 in. macadam paving 475,200 sq.ft. Foothill Rd. A. C. Fulmor, Riverside, co. surv.

Calif., Salinas—Making plans paving 3 mi. portions of Clay, Auburn, Riker Sts., etc. H. Cozzens, city engr.

Calif., San Diego—Common Council plans 1½ in. asphaltic concrete on 5 in. concrete paving 271,000 sq.ft. Kansas St. F. A. Rhodes, city engr.

Calif., San Francisco—Made plans grading, curbing and asphaltic concrete paving, etc., 57,457 sq.ft. Berry St. between DeHaro and 7th Sts. $25,000. M. M. O'Shaughnessy, city engr.

Calif., Santa Barbara—Made plans curbing, guttering, sidewalks, and 2 in. asphaltic concrete on 6 in. concrete paving, etc., portion of Chapala St. To exceed $200,000. E. E. Haskell, city engr.

Calif., Stockton—San Joaquin Co. made plans improving 10 mi. Castle and Eight Mile Rds., etc., 20,000 cu.yd. grading, 28,000 tons gravel. F. E. Quail, Stockton, co. surv.

BIDS DESIRED

N. Y., Long Island City—Nov. 2, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading Hemlock Pl.; recurbing, reflagging, and sheet asphalt on concrete paving Stryker Ave.; grading gutter space on Caspin Ave.; curbing, sidewalks, and sheet asphalt on concrete paving Queens Blvd.; curbing and sidewalks on Proctor St.

N. Y., St. George—Nov. 4, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Amboy Rd.; curbing (where not already done) and reset curbing both sides Forest Ave.; granite block paving Jersey St.; and grading Union Pl.

N. Y., St. George—Nov. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block paving Jewett Ave. at intersections of Victory Blvd. and Post Ave.

New Jersey — Nov. 16, by State Hy. Comn., Trenton, grading and 8 in. rein.-con paving 21,374 sq.yd. Route 5, Sect. 16, Dover Cutoff, Morris Co. A. L. Grover, secy.; adv. E. N.-R., Oct. 29.

Pa., Phila.—Oct. 30, by Dept. Pub. Wks., Bureau of Engineering, grading, etc., streets in 40th Ward. Noted Oct. 22.

Pa., Pittsburgh—Nov. 4, by J. P. Moore, controller Allegheny Co., rein.-con. paving 4,000 ft. Three Degree Rd., Curves 1-2 and 3, McCandless Twp., $35,000 also 14,035 ft. Bower Hill Rd. extension, Mt. Lebanon, $100,000, both 18 ft. wide. County Dept. Pub. Wks., 519 Smithfield St., engrs.

W. Va., Morgantown—Dec. 7, by Magnolia Co. Court, T. G. Keenan, pres., grading and bituminous macadam surfacing 1.5 mi. Morgantown-Fairmont Rd., Project 1, and 1.5 mi. same road, Project 2. A. J. Baritell, co. road engr.; adv. E. N.-R. Oct. 29. Noted Sept. 17.

South Carolina — Nov. 3, by State Hy. Comn., Columbia, grading, bridging and sand clay surfacing 40,495 cu.yd. State Route 63, State Project 556 Colleton Co., grading and two treated timber bridges on 13.1 mi. State Route 33, State Project 597, Jasper Co., and plain concrete surfacing 2,901 cu.yd. State Route 6, State Project S-598, Orangeburg Co., A. T. Brown, Scovill Bldg., Orangeburg, engr. for above projects; grading and top soiling 6,830 cu.yd. State Route 7, Federal Aid Project 235-B, Union Co., State Highway Engineer, Columbia, engr.; grading, bridging and sand clay surfacing 16,597 cu.yd. State Route 40, Federal Aid Project 267-A, Georgetown Co., H. G. Jones, Florence, engr.

S. C., Bennettsville — Nov. 6, at office Marlboro Special Rd. Comn., grading, bridging and sand clay surfacing 4,000 cu. yd. highway; also grading and sand clay surfacing, etc. 10,000 cu.yd. highway, both in Marlboro Co. L. W. Pollard, Bennettsville, engr.

Streets and Roads (Continued)

S. C., Florence — Nov. 5, by City Park Comn., at office Long Life Agency, grubbing clearing, etc. 13 acres in city park. Adams & Ervin, Florence, engrs.

Ala., Birmingham — Nov. 25, by City Comn., asphalt paving 8 blocks 3rd Ave. S., 40 ft. $69,100. A. J. Hawkins, city engr.

Louisiana—Nov. 17, by State Hy. Comn., Baton Rouge, widening and gravel surfacing 29.173 mi. Shreveport-Natchitoches Highway, State Project 343 E, Red River Parish. W. B. Robert, highway engr.

Louisiana—Nov. 10, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 9.68 mi. road from Mer Rouge to point midway between Gallion and Bonita, Federal Aid Project 106, Sect. B; and 9.83 mi. road from north end Sect. B to Arkansas state line, Federal Aid Project 106, Sect. C. W. B. Robert, highway engr. Noted Oct. 1.

Kentucky — Dec. 7, by State Hy. Dept., Frankfort, grading 7.8 mi. Hartford-Fordsville Rd., State Project 45-B, and 4.9 mi. Owensboro-Fordsville Rd., State Project 12-A, both 24-28 ft., Ohio Co., and 6.7 mi. Louisa-Inez Rd., 20 and 22 ft., State Project 39-A, Lawrence Co., 20-22 ft. E. N. Todd, highway engr.

O., Cincinnati — Nov. 2, by Dept. Pub. Serv., grading, curbing, concrete sidewalks, granite paving, etc. 3,000 sq.yd. Walnut St. $41,450. F. Krug, City Hall, engr.

Michigan—Nov. 12, by State Hy. Dept. at office Comrs. Genesee Co., Flint, grading, etc. 6.027 mi. State Trunk Line 10-55A. G. C. Dillman, Lansing, highway engr.

Mich., Detroit—Nov. 2, by H. W. Busch, comr. Dept. Parks & Boulevards, 600 Marquette Bldg., grading, curbing and concrete paving promenade around Scott Memorial Water Fountain, Belle Island. $50,000. C. Gilbert, 244 Madison Ave., New York City, N. Y., archt.

Ill., Summit—Nov. 2, by E. Kirk, village clk., curbing, guttering and rein.-con. paving 2 blocks each St. Joseph and 72nd Courts; 1 block 60th Pl.; 1 block 60th St.; 2 blocks Douglas, 1 block Center, and 2 blocks 76th Aves. $85,000. Suhr, Berryman & Peterson, 105 North Clark St., Chicago, engrs.

Kan., Council Grove—Nov. 4, by Clerk Morris Co., improving 4.437 mi. Federal Aid Project 257, Sect. A, 21,505 cu.yd. excav., 29,326 lb. reinforcing, 496 ft. 15- to 36-in. culvert pipe, etc.; Sect. B, 6,779 cu.yd. excav., etc.; Sect. C, 1,038 cu.yd. excav., 390 cu.yd. gravel, etc. J. McKenzie, Court House, engr. Noted Jan. 8.

Kan., Minneapolis — Nov. 12, by Clerk Ottawa Co., improving 4.768 mi. Federal Aid Project 185-C, 31,051 cu.yd. excav., 6,127 cu.yd. borrow, 1,460 ft. guard rail, 18,293 lb. reinforcing, etc., also two 25 ft. and two 50 ft. span deck girder bridge. L. R. Miller, Court House, engr.

Nebraska—Nov. 5, by State Dept. Pub. Wks., Lincoln, improving 11 mi. Federal Aid Project 276-A, Hall Co., 47,200 cu.yd. excav., 45,000 sta.yd. overhaul, 136,000 sq.yd. 2 in. gravel surfacing, etc.; 3.5 mi. Federal Aid Project 235-B, Saunders Co., 77,000 cu.yd. excav., 70,000 sta.yd. overhaul, 44,100 sq.yd. 3 in. gravel surfacing; and 5 mi. Federal Aid Project 279-A, Greeley and Howard Counties, 156,700 cu.yd. excav., 50,000 sta.yd. overhaul, 12,824 ft. guard rail, etc. R. L. Cochran, State House, engr.

Neb., Wahoo—Nov. 12, by A. S. Dolezal, clk. Saunders Co., improving 3.5 mi. Federal Aid Project 235-B, 77,000 cu.yd. excav., 70,000 sta.yd. overhaul, 44,100 sq.yd. 3 in. gravel surfacing, etc. R. L. Cochran, Lincoln, highway engr.

Texas — Nov. 6, by F. V. Lanham, chn. State Hy. Comn., Austin, 7 in. concrete surfacing roads and 2 in. amiesite, limestone, rock asphalt or bitulithic concrete surfacing bridges on 10.79 mi. State Highway 40, Federal Aid Project 136-4, Unit 2, Kaufman Co. $152,000. S. J. Treadway, Terrell, co. engr.

Texas—Nov. 6, by F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging and gravel surfacing 10.36 mi. State Highway 95, 16 ft. State Aid Project 633, Williamson Co. $100,000. M. C. Wilborn, Georgetown, engr.

Texas—Nov. 7, by F. V. Lanham, chn. State Hy. Comn., Austin, bituminous macadam concrete or any alternate types of hard paving 5.57 mi. State Highway 2, 18 ft. Federal Aid Project 409, Travis Co. $164,500. J. E. Motheral, Austin, engr.

Oklahoma—Nov. 3, by State Hy. Dept., Oklahoma City, improving 1.322 mi. State Aid Project 152, 1,674 cu.yd. excav., 3,176 cu.yd. borrow, 14,028 sq.yd. 2 in. asphalt on 5 in. concrete surfacing, etc. J. M. Page, highway engr

Washington — Nov. 10, by State Hy. Dept., Olympia, crushed rock surfacing 5.100 cu.yd. State Rd. 3, Dayton-Delaney Rd., Columbia Co.; and 6,300 cu.yd. State Rd. 11, Franklin Co. To exceed $25,000. J. W. Hoover, Olympia, highway engr.

Wash., Kelso — Nov. 7, by City Clerk, grading, curbing, sewers, sidewalks and graveling 880 cu.yd. various streets in Local Impvt. Dist. 83. C. M. Thomas, Kelso, engr.

California—Nov. 16, by State Hy. Comn., Sacramento, grading 36.7 mi. road between Ricardo and Five Mile Canyon, Kern and Inyo Counties; grading and graveling 1[illegible] mi. road between Hicks and Daggett, San Bernardino Co.; asphaltic concrete and concrete paving 2.1 mi. road between Carpinteria and point 2 mi. southeast, Santa Barbara Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., San Diego—Nov. 9, by Common Council, grading, curbing, sidewalks and 5 in. concrete paving 88,653 ft. Belvedere St., Neptune Pl., etc.; also curbing, sidewalks, 5 and 6 in. concrete paving 220,418 sq.ft. Pearl St., Girard Ave., etc. F. A. Rhodes, city engr. Noted Sept. 24.

Calif., San Diego — Nov. 9, by A. H. Wright, city clk., grading, curbing, sidewalks, and 5 in. concrete paving 291,000 sq.ft. 30th, K and N Sts. F. A. Rhodes, city engr. Noted Oct. 8.

BIDS RECEIVED

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Oct. 21, curbing and flagging where necessary Alabama Ave. and East 29th St., from Grimm Contg. Co., McKinley St., $830 and $2,435 respectively; asphalt repaving Halsey and Union Sts., from Borough Asphalt Paving Co., 1301 Metropolitan Ave., $33,992 and $35,310 respectively; reconstructing curb corners at Atlantic and Bedford Aves., from J. Meehan & Sons, 90 West St., New York City, $2,009; asphalt paving East 29th St., from Uvalde Asphalt Paving Co., 1 Bway., New York City, $9,417 and asphalt repaving South Oxford St., from Cranford Co., 52 9th St., $22,982. Noted Oct. 15.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading Amory Court from H. E. Kordes Co., 2577 Cooper St., Brooklyn, $4,495; grading, curbing and sidewalks on Fern Pl., from O'Brien & Kurth, 8625 13th St., Jamaica, $8,967; sheet asphalt paving 97th St., from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $10,204; grading, sidewalks and gutter spaces in the Plaza, from J. D'Amato, Rockaway Beach, $2,681; and curbing and sidewalks on Rockaway Beach Blvd., from Crawford & Rodgers, 211 Beach St., Brooklyn, $17,866. Noted Oct. 15.

N. Y., St. George (sta. Staten Island) — Park Bd., Park Dept. Arsenal Bldg., 64th St. and 5th Ave., New York City, Oct. 22, grading, etc. Park Plaza around bandstand at Westerleigh Park, from Flemming & Sheppard, 116 Broad St., New York City.

SUBWAY—NEW YORK, N. Y.

Bids were opened by Bd. of Transportation, 49 Lafayette St. (lowest four and highest), Sept 18, for Sect. No. 1, Route No. 5, along and under Fort Washington Ave. (A) Arthur McMullen Co., 50 Church St. (awarded contract); (B) Silas B. Mason, 17 West 60th St. (C) Rosoff Subway Construction Co., 331 Madison Ave.; (D) Charles H. Locher, 149 Broadway; (E) Heyman & Goodman Co., Inc., 236 West 116th St. The unit bids are as follows:

	A	B	C	D	E
22,800 cu.yd. earth excavation	$11.00	$10.50	$10.00	$12.25	$12.00
Temporary roadway through Innwood Park (lump-sum)	3,000.00	10,000.00	10,000.00	5,000.00	10,000.00
3,000 cu.yd. earth excavation—off line	11.00	10.50	10.00	12.25	15.00
91,600 cu.yd. rock excavation	11.00	10.50	12.50	12.25	14.00
4,000 cu.yd. rock excavation—off line	11.00	10.50	12.50	12.25	20.00
10 furnishing and planting trees	50.00	50.00	40.00	100.00	100.00
27,000 cu.yd. tunnel excavation	16.00	20.00	18.00	18.00	18.00
21,730 cu.yd. concrete masonry	21.00	21.00	22.00	22.00	24.00
68,800 sq.ft. rubbing concrete to smooth surface	.10	.12	.12	.15	.10
2,790 cu.yd. protectve concrete	21.00	21.00	22.00	22.00	24.00
390 cu.yd. rubble stone masonry	12.00	15.00	16.00	12.00	20.00
20 cu.yd. dry rubble masonry	8.00	14.00	12.00	11.00	20.00
50 cu.yd. brick masonry	45.00	50.00	40.00	40.00	50.00
10 cu.yd. hollow tile masonry	35.00	50.00	50.00	50.00	50.00
2,500 bbl. grout of Portland cement	4.00	8.00	6.00	8.00	6.00
100 m.b.m. tunnel timberng	100.00	150.00	100.00	100.00	200.00
10 cu.yd. broken stone or gravel	5.00	5.00	6.00	5.00	10.00
6,500 sq.yd. (a) water proofing, one ply	1.00	1.25	1.00	1.50	1.30
13,400 sq.yd. (c) water proofing, three ply	3.00	2.50	2.75	2.50	3.50
680 sq.yd. (e) water proofing, five ply	4.00	5.00	3.50	5.00	7.00
400 sq.yd. (f) water proofing, six ply	5.00	6.00	4.50	6.00	8.00
100 sq.yd. (i) water proofing, dry ply	1.00	1.00	.80	1.30	1.30
410 cu.yd. (a) water proofing, one layer of brick in mastic	55.00	50.00	50.00	55.00	60.00
10 sq.yd. (b) water proofing, two layers of brick in mastic	50.00	50.00	50.00	54.00	60.00
500 lin.ft. (a) 3 in. cast iron pipe and fittings	1.20	1.50	1.50	1.50	1.90
500 lin.ft. (b) 4 in. cast iron pipe and fittings	1.50	2.00	2.00	1.50	3.00
150 lin.ft. (c) 6 in. cast iron pipe and fittings	2.50	2.75	2.50	2.00	5.00
300 lin.ft. (d) 8 in. cast iron pipe and fittings	3.50	3.50	3.00	3.00	6.00
700 lin.ft. (e) 10 in. cast iron pipe and fittings	5.00	5.00	4.00	4.50	8.00
100 lin.ft. (b) 4 in. galvanized steel pipe	2.50	2.00	3.00	1.50	4.00
25 lin.ft. (d) 8 in. galvanized steel pipe	6.00	5.00	6.00	8.00	8.00
24,000 duct. ft. tunnel ducts	.30	.30	.25	.30	.40
2,400 tons riveted and rolled steel	120.00	115.00	120.00	120.00	140.00
3 ton architectural steel and iron	300.00	400.00	350.00	450.00	400.00
75 sq.ft. (d) steel swing doors	4.00	6.00	10.00	6.00	7.00
350 tons steel rods and bars	120.00	110.00	110.00	110.00	160.00
15 tons miscellaneous iron castings	200.00	200.00	220.00	200.00	200.00
13,300 lb. special wire forms	.20	.30	.25	.30	.20
4,760 lin.ft. 1¾ oak or ash handrail	.50	.50	.60	.75	1.00
2,520 sq.ft. steel grating	3.00	4.00	4.50	4.00	.600
110 sq.ft. vault lights	4.00	4.00	5.00	4.00	6.00
3,500 sq.yd. (a) side walk restoration	3.00	3.00	3.00	3.00	3.50
7,550 sq.yd. (e) roadway repaved—asphalt	4.00	5.00	5.00	4.00	5.50
1,950 sq.yd. (f) roadway repaved—granite blocks	7.00	5.00	5.00	4.00	8.00
200 lin.ft. (i) 6 ft. blue stone curb	3.00	3.00	3.00	3.50	3.00

	A	B	C	D	E
1,000 lin.ft. (k) 8 ft. granite curb	5.00	5.00	6.00	6.00	8.00
175 sq.yd. upper 3 ft. concrete walls	2.00	3.00	2.50	4.00	4.00
15,000 sq.yd. temporary pavement	3.00	2.50	2.50	3.00	3.00
5,000 lin.ft. (a) ¾ in. steel electric conduits	.50	.40	.40	.60	.40
50 lin.ft. (b) 1¼ in. steel conduits	1.00	1.00	.60	1.00	1.00
200 lin.ft. (c) 2 in. steel electric conduits	*1.10	1.50	.75	2.00	1.50
4,650 lin.ft. (d) 1 in. steel electric conduits	.90	.50	.50	.70	.50
10 lin.ft. (g) 2½ in. steel electric conduits	1.20	2.00	1.00	3.00	2.00
10 lin.ft. (f) 3½ in. steel electric conduits	1.80	3.00	2.00	4.00	3.00
450 4 x 4 x 3 in. cast iron outlet boxes	3.00	2.50	1.00	2.50	2.50
10 (a) 6 x 6 x 4 in. cast iron pull boxes	5.00	8.00	8.00	6.00	6.00
1,050 6 x 12 x 3 in. cast iron pull boxes	10.00	12.00	10.00	15.00	8.00
110 lin.ft. (a) 6 in. cast iron pipe and fittings	2.50	3.00	3.00	3.00	3.00
50 lin.ft. (b) 3 in. cast iron pipe and fittings	1.50	2.00	2.00	3.00	1.50
10 lin.ft. (c) 4 in. cast iron pipe and fittings	2.00	2.50	2.50	5.00	2.00
100 lin.ft. (f) 8 in. cast iron pipe and fittings	4.00	4.50	4.00	6.00	3.00
1,200 lin.ft. 15 in. vitrified pipe sewer	5.00	7.00	18.00	14.00	6.00
50 lin.ft. 22 in. vitrified pipe sewer	8.00	12.00	22.00	10.00	10.00
40 ton cast iron sewer pipe, straight	120.00	120.00	175.00	250.00	200.00
15 ton cast iron sewer pipe, special	180.00	240.00	220.00	300.00	350.00
600 lin.ft. (a) 3 ft. 6 in. x 2 ft. 4 in. flat top reinforced concrete sewer	20.00	20.00	24.00	22.00	20.00
200 lin.ft. (v) 4 ft. 0 in. x 3 ft. 8 in. flat top reinforced concrete sewer	25.00	25.00	28.00	35.00	25.00
100 lin.ft. (n) 4 ft. 3 in. x 3 ft. 10 in. flat top reinforced concrete sewer	30.00	30.00	34.00	35.00	30.00
250 lin.ft. (ae) 7 ft. 3 in. x 6 ft. 4 in. flat top reinforced concrete sewer	50.00	60.00	48.00	55.00	40.00
1,200 lin.ft. (af) 8 ft. 6 in. x 7 ft. 5 in. flat top reinforced concrete sewer	55.00	70.00	62.50	70.00	50.00
600 lin.ft. (ag) 9 ft. 0 in. x 7 ft. 9 in. flat top reinforced concrete sewer	60.00	80.00	80.00	90.00	60.00
2,400 lin.ft. (a) electric underground trolley	20.00	15.00	20.00	15.00	15.00
100 lin.ft. 6 in. water pipe	2.50	3.00	2.00	4.00	2.00
100 lin.ft. 12 in. water pipe	3.50	4.00	3.00	5.00	3.00
50 lin.ft. 20 in water pipe	5.00	8.00	4.00	10.00	10.00
10 service connections for water pipe	40.00	50.00	40.00	50.00	100.00
100 lin.ft. 6 in gas pipe	2.50	2.75	1.50	3.00	3.00
100 lin.ft. 8 in gas pipe	3.00	4.00	2.00	3.50	3.00
100 lin.ft. 12 in. gas pipe	4.00	5.00	2.50	5.00	4.00
400 lin.ft. 30 in. gas pipe	12.00	18.00	7.50	15.00	10.00
500 lin.ft. (b) 8 in. steel by-passing pipe	12.00	7.50	10.00	7.00	10.00
3,000 lin.ft. (d) 12 in. steel by-passing pipe	15.00	12.00	20.00	12.00	25.00
100 lin.ft. (i) 30 in. steel by-passing pipe	25.00	20.00	40.00	30.00	60.00
300 lin.ft. (a) 12 in. steel by-passing pipe, overhead	15.00	12.00	20.00	15.00	12.00
1,800 lin.ft. (e) 30 in. steel by-passing pipe, overhead	25.00	20.00	40.00	33.00	40.00
900 lin.ft. (h) trestle support for by-passing pipe	12.00	10.00	10.00	15.00	10.00
300 lin.ft. (i) cable support for by-passing pipes over 16 in.	20.00	12.00	15.00	15.00	20.00
200 lin.ft. (j) cable support for by-passing pipes over 16 in. or under	15.00	15.00	12.00	15.00	20.00
10 service connection for gas pipe	40.00	50.00	40.00	50.00	100.00
20 ton new cast iron hub and spigot, straight pipe	150.00	100.00	120.00	130.00	200.00
10 ton new cast iron hub and spigot, special pipe	220.00	200.00	220.00	260.00	350.00
14,000 duct.ft. electric ducts and conduits	.40	.40	.50	.45	.40
100 lin.ft. (b) 3 in. steel pipe electric ducts and conduits	*1.00	1.25	.60	4.00	3.00
100 lin.ft. (c) 3½ in. steel pipe electric ducts and conduits	1.50	1.50	1.00	4.00	4.00
10 service connection for electric ducts	50.00	50.00	50.00	80.00	100.00
100 lin.ft. (a) 3 in. wooden electric ducts and conduits	.60	.90	.60	.50	1.00
100 lin.ft. (a) 3 in. fibre electric ducts and conduits	.60	.75	.60	.50	1.00
Extended totals	$3,198,100	$3,248,681	$3,479,527	$3,493,395	$3,852,673

Streets and Roads (Continued)

$3,840; also bituminous macadam paving drive through Silver Lake Park from J. Johnson Sons, 1455 Bway., West New Brighton, $12,303. Noted Oct. 15.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Oct. 20, from T. Connor, 3620 North 5th St., grading Large St. between Devereaux St. and Roosevelt Blvd. $5,166, from Deinees Bros., 5th St. and Fisher Ave., Tabor St. between Wakeling and Sanger Sts., and Wakeling St. between Colgate and Tabor Sts., $4,483; from Barber Asphalt Co., 239 North 30th St., asphalt paving Leiper St. between Church and Adams Sts. $12,581, 47th St. between Chestnut and Walnut Sts. $7,317, from Mack Paving & Constr. Co., Nicetown Lane and Luzerne Sts., N St. between Kensington and Luzerne Sts. $19,613, Roanoke St. between Willow Grove and Abington Sts. $5,392, 18th St. between Medary and point 197 ft. northwest of Walnut St. $5,104; from United Paving Co., Real Estate Trust Bldg., vitr. block paving Ruan St. between Adams and Leiper Sts $4,486; from A. J. Henderson, 825 Washington Lane, improving country road 13th St. between Godfrey and Medary Sts., $2,692; from Mazzola & Marano, 739 South 7th St., granite block repaving Arch St. between point east of 10th and 15th Sts. $34,838, 8th St. between Walnut and Vine Sts. $47,741, from Municipal Paving Co., 702 Catharine St., 7th St. between Arch and Race Sts. $7,828, 9th St. between Race and Vine Sts. $6,494, 11th St. between Market and Cherry Sts. $17,805, from J. Salvucci, 512 North 65th St., 10th St. between Morris and Ritner Sts. $35,602, 10th St. between Washington and Morris Sts. $33,385, from C. G. Centrone, 1015 Chestnut St., 67th St. (track area) between Lansdowne and Haverford Sts., $8,368; from Van Sciver Corp., Parkway at 4th St., crushed pebbles, $3,723; from Miles Bitting Co., 819 Penn Bldg., binder slag, $3,700; from Union Paving Co., 30th and Locust Sts., sand for asphalt paving mixture, $2,850; from H. H. Eyre, 1212 North Delaware St., steel gates on South St. Bridge $7,234; from L. Bokser, 1518 North 8th St., paving and repaving certain alleys in 5th Highway Dist. J-2, $3,995. Noted Oct. 15.

North Carolina — State Hy. Comn., Raleigh, Oct. 13, from J. O. Heyworth, Inc., Harvester Bldg., Chicago, Ill., grading and concrete or asphaltic paving 18.17 mi. Project 1350, Halifax Co. $448,626, 11.63 mi. Project 164, Nash-Edgecombe Counties $326,689, 13.74 mi. Project 242, Johnston Co. $377,944, and 11.52 mi. Project 347, Cumberland Co. $305,497, from Roberts Paving Co., Salisbury, Md., 11.84 mi. Project 111-B-117-B, Camden-Currituck Counties $267,359, from J. M. Gregory, Pittsboro, 7.6 mi. Project 354, New Hanover Co. $199,400, from G. L. Bobbitt, Franklinton, 1.57 mi. Project 425, Franklin Co. $44,338, from Stearns Bros., Inc., Statesville, 12.08 mi. Project 514, Caswell Co. $287,008, from Blythe Bros., Charlotte, 12.57 mi. Project 6060, Anson Co. $327,534, from Pennell & Weisiger, Chadbourne, 7.35 mi. Project 809, Burke Co. $209,040, from Noll Constr. Co., Charlotte, 10.14 mi. Project 825, Cleveland Co. $289,865; from N. L. Teer, Durham, clearing, grubbing and grading 10.18 mi. Project 1990, Wilson Co. $36,857, 11.61 mi. Project 241, Johnston Co. $88,011, 10.15 mi. Project 496 51,747 and 4.92 mi. Project 491, $27,335 both Warren Co., from Jamison Bros., Inc., High Point, 12.39 mi. Project 394, Robeson Co. $70,356, from W. W. Tuck & Son, Virgilina, Va., 9.88 mi. Project 487-B, Wake Co. $37,212, from G. R. Martin, Salisbury, 11.52 mi. Project 523, Davidson Co. $38,643, from W. C. Carter, Mebane, 9.11 mi. Project 753-B, Stokes Co. $63,993, from W. E. Graham, Mt. Ulla, 4.14 mi. Project 948, Haywood Co. $47,205; from G. L. Comatyer, Winston-Salem, clearing, grading and topsoiling 5.54 mi. Project 583-B, Randolph Co., $26,652. No bids received for rein.-con. bridges in Iredell Co. Noted Sept. 24.

Minnesota — State Hy. Dept., St. Paul, Oct. 13, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, gravel surfacing 19,500 cu.yd. S. P. 6-43, F. A. P. 343, Sect. C, 21,200 cu.yd. S. P. 64-22, F. A. P. 353, Sect. B, from Superway, Inc., Fergus Falls, $23,546 and $21,158 respectively; 25,100 cu.yd. S. P. 6-42, Sect. A, from Morris Constr. Co., Morris, $48,322; and 19,200 cu.yd. S. P. 11-16, Dist. 3, from A. Brovold, Baudette, $27,363. Noted Oct. 1.

Tex., Palestine — Anderson Co., grading and bridging 16.55 mi. Elkhart-Denson Springs Rd. from J. S. Paxton, Elkhart, $47,566; and 12.16 mi. Tennessee Colony-Bethel Rd., from J. S. Moore & Sons, Lufkin, $40,404.

Calif., Los Angeles — Los Angeles Co., from H. W. Wigman, 1905 Monterey Rd., Hermosa Beach, improving 11.28 mi. San Vicente Ave., 109,596 lin.ft. curbing $0.33 per lin.ft., 7,208 sq.ft. gutter $0.18, 432,442 sq.ft. sidewalk $0.12, etc., total $92,101.

Calif., Oakland — From Heafey-Moore-McNair, 344 High St., Oakland, improving Bay Farm Island Rd., 9.044 cu.yd. fill at $1.34 per cu.yd., and 123,323 sq.ft. oil macadam paving $0.105. Noted Oct. 22.

Calif., Santa Barbara — Santa Barbara Co., grading and surfacing 1.4 mi. road from Summerland to Montecito, from McCray Co., Amer. Bank Bldg., Los Angeles, $55,907.

CONTRACTS AWARDED

Mass., East Boston (Boston P. O.) — Transit Dept., Boston, granite block on concrete paving Lewis and Sumner Sts., here, to Boston Contg. Co., 10 Everett Ave. Engrs. est. $25,000. Noted Oct. 8.

Rhode Island—State Bd. Pub. Rd., State House, Providence, 8 in. rein.-con. paving 4.21 mi. road in Barrington and East Providence, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $191,623. Engrs. est. $170,000. Noted Oct. 22.

New Jersey—State Hy. Comn., Trenton, concrete paving 22,851 sq.yd. Route 4, Sect. 34, Keyport cut-off, in Mammouth Co., to Jannarone Constr. Co., 225 Passaic Ave., 111,916. Noted Oct. 1.

N. J., Trenton — Freeholders Mercer Co., Oct. 6, grading, guttering and sheet asphalt paving 14,700 sq.yds. Sanhican Dr., to Union Paving Co., 30th and Locust Sts., Phila., Pa., $72,000. Noted Oct. 15.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application, R. means Route)**, rein.-con. paving, etc., 27,871 sq.yd. A. 2497, Catasanqua Boro, Lehigh Co., to G. H. Hardner, Allentown, $108,777, 59,836 sq.yd. R. 268, Sect. 8, Washington Co., to Corrado & Galliardi Constr. Co., Connelsville, $346,181, 4,634 sq.yd. R. 347, A. 3746, Beaver Co., to Shorb & Reline, St. Clairsville, O., $24,034, 29,325 sq.yd. R. 316, A. 3610, Susquehanna Co., to Stento & Sarafini, 84 Court St., Binghamton, N. Y., $119,015, 4,796 sq.yd. A. 3741, Carbon Co., to McInerney & McNeal, Inc., Easton, $21,573; and grading, etc., R. 169, Sect. 3, Luzerne and Monroe Counties, to W. H. Murphy & Sons, Harrisburg, $55,887. Grand total $675,467. Noted Sept. 17 and Oct. 15.

Maryland — State Roads Comn., Baltimore, concrete paving 1 mi. road from end of Contr. D-31 towards Lloyds, Contr. D-37, Dorchester Co., to Slacum, Brohawn & Woolford, Cambridge, $23,990, 0.34 mi. road from Bedford Rd. to Pennsylvania state line, Contr. A-39, Allegany Co., to

Streets and Roads (Continued)

M. Bennett & Sons, Indiana, Pa. $15,941, 0.33 mi. Silver Springs undergrade approaches, Contr. M-49-D, Montgomery Co., to Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $13,373; penetration macadam paving 0.66 mi. state highway along Frederick St., Hagerstown, from city limits to Baltimore & Ohio R.R. crossing, Contr. W-42, Washington Co., to Bester, Long Co., Hagerstown, $19,507; six 5 ft. diam. corrugated metal pipes encased in concrete along road from Sligo to Burnt Mills, over Sligo Branch, Contr. M-66, Montgomery Co., to St. Marys Constr. Co., Mechanicsville, $5,825. Grand total $78,636. Noted Sept. 24, Oct. 8 and 15.

Md., Baltimore — Bd. Awards, sheet asphalt paving 20,200 sq.yd. streets listed in Contr. 305-OCNA, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $102,233; concrete paving 9,060 sq.yd. streets in Contr. 306-OANA, to C. J. Spielman Co., Maryland Ave., Westport, Baltimore, $25,327. Noted Oct. 22.

North Carolina—Carteret Co. (Beaufort), approaches to proposed bridge over Bogue Sound between Beaufort and Morehead City, 175,000 cu.yd. material placed by suction dredge, to Cosat Constr. Co., Beaufort, $48,450.

Fla., Palatka — Brick paving various streets, to T. B. Gillespie, Palatka, $197,595.

Alabama—State Hy. Comn., Montgomery, **(e. e. means engineers estimate)**, sand clay and gravel surfacing 5.84 mi. Elba-Troy Rd., 18 ft., Coffee Co., to Wofford & Co., Montgomery, $24,022, e. e. $25,000; gravel surfacing 12.73 mi. Russellville-Moulton Rd., 18 ft., Franklin Co., to W. M. Thompson, Fayette, $136,656, e. e. $140,000; sand clay surfacing 6.46 mi. Gnatt-Searight Rd., 18 ft., Covington Co., and chert surfacing 23.19 mi. Sect. A, Scottsboro-Tennessee State line Rd., 18 ft., Jackson Co., to Newell Contg. Co., 3828 Ave. A, Birmingham, $111,742 and $121,079 respectively e. e. $112,000 and $125,000 respectively, 25 mi. same road Sect. B, to Bessemer Eng. Co., Bessemer, $160,667, e. e. $165,000; penetration asphalt surfacing 34 mi. Birmingham-Gadsden Rd., via Springville and Ashville, 18 ft., St. Clair Co., to S. Finley, Atlanta, Ga., $129,260 e. e. $130,000; asphalt surfacing 14.6 mi. Geneva-Coffee Co. line Rd., 18 ft., Geneva Co., to J. R. and J. B. Miller, Baconton, Ga., $102,209 e. e. $110,000, and 6 blocks various streets in Winfield, 30 ft., Marion Co., to Nixon & Phillips, Lineville, $19,156, e. e. $20,000; grading 17 mi. Flomaton-Perdido Rd., 18 ft., Escambia Co., to J. Floyd, Huntington, Tenn., $74,068, e. e. $75,000. Grand total $878,859. Noted Sept. 10 and 24.

Ala., Decatur — Asphalt surfacing 5 blocks Wilson Ave., Church and La Fayette Sts., 40 ft., to Independent Paving Co., Amer. Trust Bldg., Birmingham, $32,000. Engrs. est. $35,000.

Miss., Natchez—Grading, curbing, guttering asphalt surfacing 30,000 sq.yd. and resurfacing 25,000 sq.yd. various streets, to Federal Asphalt Co., Main and D Sts., Hamilton, O. Noted Sept. 10.

La., Bastrop—Grading, curbing, and 6 in. rein.-con. paving approximately 18,000 sq.yd. various streets, to William & Young, Monroe, La.

Michigan — State Hy. Dept., at office Comrs. Antrim Co., Bellaire, graveling 3.089 mi. State Trunk Line, 88-1C, 16 ft., to J. Teily, Conway, $45,832. Noted Oct. 22.

Michigan — State Hy. Dept. at office Comrs. Calhoun Co., Marshall, concrete paving 5.53 mi. Federal Aid Road 144 A, 20 ft., to Hillding Constr. Co., Kendallville, Ind., $138,935. Noted Oct. 22.

Ill., East St. Louis—Asphaltic concrete surfacing 3,410 sq.yd. 17th St., and asphaltic resurfacing 12,960 sq.yd. 15th St., to Concord Constr. Co., Josephine Bldg., $17,542 and $46,676 respectively; 380 ft. 12 in. and 460 ft. 8 in. vitr. clay sewers in Weiman Ave., to Rich Constr. Co., 1530 Winstanley Ave., $2,703. Grand total $66,921. Noted Oct. 8.

Wis., Milwaukee—Dept. Pub. Wks., to R. H. Gumz, 831 13th Ave., vibrolithic concrete paving Arthur Ave. between 14th and 15th Aves. $4,400, to Czerwinski Constr. Co., 816 Clinton St., Brady St. between Farwell Ave. and Cars St. $21,190, to Dean Constr. Co., 382 East North Ave., Burleigh St. from Humboldt Ave. east $6,138, concrete curbing and guttering Burrell St. between Clarence St. and Deer Pl. $1,538, Clement Ave. between Kinnickinnic and Potter Aves. $1,841, Nock St. between Ellen and Superior Sts. $861; to A. E. Ratzlaff, 868 Island Ave., vibrolithic concrete paving 49th St. between North and Lisbon Aves. $3,201, 35th St. between Burleigh St. and Auer Ave. $6,586, concrete sidewalks on 46th St. between Chambers and Burleigh Sts. $2,429; to J. Bluhm & Sons, 1298 Achilles Pl., vibrolithic concrete paving Jefferson St. between 3rd and 7th Sts. $15,971, and concrete sidewalks on 19th St. between Atkinson Ave. and Lake St. $638; to Kroening Constr. Co., 39th Ave. and Mitchell St., concrete sidewalks on 58th St. between Vliet St. and Cold Springs north $3,690, to G. Hirth, 1309 7th St., Hadley St. from 30th St. west $208, to Ryback & Sadowski, 1092 2nd Ave., Logan St. between Oklahoma and Euclid Aves. $4,765. Grand total $73,456.

Ia., Council Bluffs—Grading and concrete paving 55,000 ft. various streets, to P. Nelson, 727 West Washington St., and J. Langstrom, 527 Damon St. Noted Sept. 3.

Minnesota — State Hy. Dept., St. Paul, Sept. 29, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, to E. W. Coons Co., 2007 4th Ave., Hibbing, grading and concrete paving 139,000 sq.yd. S. P. 1-44, Sect. 1, Divs. C, D and E, F. A. P. 1 $228,949, to Russell Bros., Superior, Wis., 71,000 sq.yd. S. P. 1-44, Sect. 6, F. A. P. 372 $83,056, to Nolan Bros., 260 Temple Court Bldg., Minneapolis, 48,000 sq.yd. S. P. 3-26, F. A. P. 375 $78,632, 14,500 sq.yd. S. P. 3-50, F. A. P. 375, $19,893; to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, grading and concrete paving 38,100 sq.yd. S. P. 3-33, F. A. P. 375 $55,212, 9,500 sq.yd. S. P. 3-33, F. A. P. 375 $11,757, 87,000 sq.yd. S. P. 3-39, Sect. 2, F. A. P. 8, $136,045; to Lobnitz Constr. Co., Olivia, grading 134,000 cu.yd. S. P. 3-42, Div. B, F. A. P. 347 $31,721, to S. G. Enebak, Warren, 206,000 cu.yd. S. P. 6-45, Sects. 1 and 2, F. A. P. 378 $37,950, to Starr & Slatterly, Virginia, 100,000 cu.yd. S. P. 8-33, F. A. P. 276, $42,657; to C. F. Sculley, Equipment Co., 212 Dakota Bldg., St. Paul, graveling 22,300 cu.yd. S. P. 9-39, F. A. P. 352, $26,780; and to T. Pahlen, Red Lake Falls, grading 80,000 cu.yd. and constructing Bridge 3720 on S. P. 8-28, F. A. P. 261, $37,596. Grand total $790,248. Noted Oct. 15.

Minn., Minneapolis—A. P. Erickson, aud. Hennepin Co., grading Edina-Eden Prairie Rd., County Project 25-86, to Erickson-Johnson Contg. Co., 1811 East Lake St., $51,764. Noted Sept. 17.

Kan., Independence—To A. G. Sherwood, Independence, repaving Myrtle and North 10th Sts. $13,757, Penn and South 10th Sts. and South 10th St. storm sewer $29,083, brick repaving Main St., $23,531, plus 5 years maintenance charges on each project. Noted Oct. 8.

Kan., Oberlin—Decatur Co., grading, etc., 8.467 mi. Federal Aid Project 165 B, 28 ft., to H. C. Botsford, Lawrence, $69,666. Noted Sept. 10.

Neb., Fremont—Saunders Co., to Roberts Constr. Co., 1st Natl. Bank Bldg., Lincoln, concrete paving 8,620 sq.yd. Project 27-E $17,367, 12,655 sq.yd. Project 27-F $26,159, 2,319 sq.yd. Project 81-B $4,702, and 1,879 sq.yd. Project 263-A $3,738. Grand total $51,966. Noted Oct. 1.

Neb., Hebron—B. A. Young, clk. Thayer Co., 3 in. gravel surfacing 164,900 sq.yd. Federal Aid Project 118-A, to E. L. Marrs, Deshler, $27,472. Noted Oct. 1.

Neb., Papillion—J. E. Strawn, clk. Sarpy Co., improving Gretna-Chalco Rd., State Project 3, 34,000 cu.yd. earth and 3,600 cu. yd. special excav., etc., to J. W. Wachtler, Omaha, $6,965; culverts, to Capitol Bridge Co., Lincoln, $2,237, 63,200 sq.yd. 3 in. gravel surfacing, to Central Bridge & Constr. Co., Wahoo, $13,572; guard rail, to Artificial Stone Co., Bruning, $1,134. Grand total $23,908. Noted Oct. 1.

Missouri — State Hy. Dept., Jefferson City, to Tate & Hancock, St. Louis, 30 ft. grading 0.298 mi. road from St. Louis south, Jefferson Co., $3,283, to R. M. Davies & Sons, Slater, 4.802 mi. Paris-Mexico Rd., Audrain Co. $20,361, to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, 1.922 mi. road from Spickard north and south, Grundy Co. $14,289, to C. I. Jones, Mound City, Ill., 3.651 mi. road from House Springs north, Jefferson Co. $54,688, and 2.108 mi. same road $10,904, to L. Rich Constr. Co., East St. Louis, Ill., 2.757 mi. road from New London south, Ralls Co. $20,163, and 2.557 mi. same road $20,975; to Schultz Constr. Co., Parsons, Kan., 12 ft. chats surfacing 15.768 mi. Minden Mines-Lamar Rd. $121,108, and 2.459 mi. road from Minden Mines east and west, $7,707, both in Barton Co., to R. H. Sharp, Reeds Springs, 3.17 mi. road from Greenfield north, Dade Co. $30,339, and 2.661 mi. same road $30,202; to Pioneer Constr. Co., Kansas City, 4.748 mi. Eldorado Springs-Stockton Rd., Cedar Co. $44,953, and 16 ft. gravel surfacing [illegible] mi. same road $22,856; to J. P. Sparks, Kirkwood, 12 ft. gravel surfacing 4.0[illegible] mi. St. Charles-Alton Rd., St. Charles Co., [illegible]-190; to Knox & Penzel, Jackson, 1[illegible] ft. gravel surfacing 0.303 mi. road from Jackson north, Cape Girardeau Co. $5,689, [illegible] C. Johnson, Carrollton, 4.858 mi. [illegible] State Line-Unionville Rd., Putnam Co. $11,008, to T. J. Morris, Oregon, 3.442 mi. Albany-Evans Rd., Gentry Co. $29,600, to Wilson Constr. Co., Warrensburg, 4.698 mi. Piedmont-Marble Hill Rd., Wayne Co. $7,724, and 2.836 mi. same road $4,189, to M. E. Gillioz, Monett, 20 ft. gravel surfacing 3.879 mi. Gerald-Leslie Rd., Franklin Co. $42,545, 4.082 mi. road from Gerald east and west, Franklin Co. $30,706, 4.201 mi. road from Rosebud east and west, $[illegible]-137, 3.488 mi. road from Drake west $[illegible]-985, and 4.958 mi. Drake-Rosebud Rd. $34,495, all foregoing in Gasconade Co. Grand total $671,077. Noted Oct. 8.

Ark., Fayetteville—Grading, curbing and 2 in. asphaltic concrete on macadam surfacing 13,000 sq.yd. South College St. Dist., to C. A. Moreno Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. Engrs. est. $26,500. Noted Oct. 22.

Tex., Barstow—Ward Co., grading, bridging and caliche surfacing 11.13 mi. State Highway 1, Federal Aid Project 391-C, 18 ft., to F. P. Holt, Sanderson, $138,141. Engrs. est. $157,500. Noted Oct. 1.

Tex., Fort Worth—Tarrant Co., grading, bridging and bituminous on crushed stone and limestone surfacing 1.15 mi. State Highway 2, Federal Aid Project 492, 18 ft., to Purvis & Lowry, Fort Worth, $32,141. Engs. est. $27,000.

Tex., Jourdanton — Atascosa Co., F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging, etc. 4.687 mi. State Highway 9-A, State Aid Project 628, 26 ft., incl. 39.722 lb. reinforcing, etc., to H. Kyle, Hutto, $19,488, engrs. est. $26,000; also 8.246 mi. State Highway 9, State Aid Project 627-C., 26 ft., 59,899 lbs. reinforcing, etc., to H. J. Evans, 500 West 15th St., Austin. $35,205, engrs. est. $40,838. Noted Sept. 24.

Tex., Sulphur Springs — Hopkins Co., grading and bridging 8.84 mi. State Highway 1, Federal Aid Project 431-C, to Hannah Constr. Co., Waco, approximately $70,100. Noted Sept. 3.

Tex., Waxahachie — Ellis Co., clearing, grubbing, grading and bridging 5.89 mi. State Highway 34, Federal Aid Project 385-B, 24 ft., incl. 54,302 lb. reinforcing, to L. B. Everett, McKinney, $23,783, engrs. est. $29,400; also 4.83 mi. State Highway 34, Federal Aid Project 385-D, 18 ft. incl. three bridges over 20 ft. span, 119,986 lb. reinforcing to McClung Constr. Co., Cleburne, $44,978, engrs. est. $56,000.

Calif., Alhambra—Grading, curbing, guttering and paving 542,080 sq.ft. Hellman Ave., to Williams Constr. Co., 7602 Hampton St., Los Angeles, $136,308. Noted Oct. 22.

Calif., Eureka — Grading, 5 and 6 in. vibrolithic concrete paving 7th St., to Englehart Paving & Constr. Co., Eureka, $81,955. Noted Oct. 22.

Calif., Larkspur — Grading and willite asphaltic concrete paving Maryland Ave. La Rosa Way, etc., to Pacific States Constr. Co., Call Bldg., San Francisco, $25,760.

Calif., Los Angeles — Los Angeles Co., guttering and 1½ in. on 4½ in. asphaltic concrete paving 3.39 mi. Carson St., to Griffith Co., 502 Los Angeles Ry. Bldg., $188,000, and 2.5 mi. Compton Ave., to G. H. Oswald, 366 East 58th St., $132,595; grading and 1½ in. on 4½ in. asphaltic concrete paving 1.76 mi. Carson St. between Wilmington Ave. and point 2,466 ft. east of Perris Rd., to G. R. Curtis Paving Co., 2440 East 26th St., $70,800, and 2.16 mi. Cornell Rd., to McCray Co., 416 Amer. Bank Bldg., $50,700. Grand total $442,095.

Calif., Monterey—Curbing, sidewalks and 6 in. concrete paving 98,500 sq.ft. Main St., to J. J. Janes, 435 10th St., Richmond, $35,275. Noted Oct. 22.

Calif., Redwood City—Grading, curbing, guttering and 2 in. Durite asphaltic concrete on 4 in. rock macadam paving 216,900 sq.ft. Schwerin, Wallbridge and Oriente Sts., to Raisch Impvt. Co., 46 Kearny St., San Francisco, $66,845; curbing and 5 in. concrete paving 200,899 sq.ft. Edgewood and Whipple Aves., to Hanrahan Co., Standard Oil Bldg., San Francisco, $43,878; grading, curbing, guttering, and 4 in. asphaltic concrete on 3 in. broken rock paving 207,806 sq.ft. Cleveland and Fulton Sts., etc., to A. J. Crocker Co., 58 2nd St., San Francisco. Noted Sept. 22.

Calif., San Diego — Common Council, grading, curbing, guttering and sidewalks

Streets and Roads—(Continued)

on Jewell Dr., etc., to O. Nelson, 1470 E St., $78,593.

Calif., Stockton—San Joaquin Co., grading and graveling Escalon-Farmington Rd., to Irey & Holden, Lodi, $36,899; and Roach Rd., to W. Moreing, Stockton, $25,191. Noted Oct. 22.

B. C., Point Grey—For 2 in. Warrenite bitulithic on 5 in. stone paving various streets, to Cotton Co., Ltd., False Creek Yards, Vancouver, $17,408; to A. B. Palmer & Co., 736 Granville St., Vancouver, $16,670; and to Columbia Bitulithic Co. Ltd., 402 Pender St. W., Vancouver, $18,069. Grand total $52,147.

Buildings—Industrial

PROPOSED WORK

Me., Lewiston—POWER PLANT—Central Maine Power Co., having preliminary plans prepared by J. C. and H. H. Stevens, 187 Middle St., Portland, 1 story rein.-con. and brick power house. $75,000. F. W. Mason, Waterville, engr.

Vt., Northfield — PLANT — E. Politi Granite Co., plans rebuilding plant, recently destroyed by fire. $100,000. Engineer and architect not selected.

Mass., Boston—INDUSTRIAL—Y. M. C. A., A. S. Johnson, pres., 316 Huntington Ave., plans raising $600,000 funds industrial building, South Boston Dist. Engineer and architect not selected.

N. Y., Brooklyn — PLANT — Mohegan Tube Co., Scott Ave., having plans prepared rein.-con. and brick addition, plain foundation. $250,000. Private plans.

N. Y., New York — ICE PLANT — Ice Service Co., 68 9th Ave., having plans prepared by E. M. Adelsohn, archt. and engr., 350 Stone Ave., Brooklyn, 2 story, rein.-con., brick, steel and stone, plain foundation, 514 East 116th St. $100,000.

Pa., Blairsville—FOUNDRY—Conemaugh Iron Wks. having plans prepared 1 story, 130 x 312 ft., galvanized iron, concrete block and steel foundry. $300,000. B. H. Prack, Martin Bldg., Pittsburgh, engr.

Pa., Germantown (Phila. P. O.)—STORAGE—Wallace Storage & Carpet Cleaning Co., 1826 North 20th St., Phila., having plans prepared by G. S. Kingsley, 1452 Bway., New York City, N. Y., 6 story and basement ,75 x 120 ft., rein.-con. and brick, plain foundation, Church Lane, here.

Pa., Millvale—PLANING MILL—Bermett Lumber & Mfg. Co. having plans prepared by F. H. Smart, 3418 Delaware Ave., Pittsburgh, 1 and 2 story, 52 x 103 ft., Sedgwick St. $50,000.

Fla., Plant City—PLANT—Artic Ice Co., J. B. Porter, supt., plans 60 ton ice plant, electrically operated. $50,000.

Ala., Montgomery — ICE PLANT — Independent Ice Co., J. W. Hunter, secy., 115 North Lawrence St., plans new ice plant, Highland Ave. $200,000.

Miss., Meridian—ICE PLANT—Tutt Ice Co., J. B. Tutt, pres., plans plant, 7th St. and 36th Ave. $75,000.

Miss., Natchez—GAS PLANT—Southern Railway & Light Co., R. L. Grisson, mgr., made plans rebuilding gas plant, 2 benches of sixes, tar extractors, condensers, scrubbers and station meters to increase capacity from 40,000 to 120,000 cu.ft., main exensions, etc. $85,000. Private plans.

La., New Orleans—PLANT—Peoples Cotton Co., T. M. Blossat, vice pres. and genl. mgr. plans plant, on recently purchased 100 x 325 ft. site.

Tenn., Knoxville—LAUNDRY—Blaufield & Schwarzenburg plans 1 story, 75 x 150 ft., concrete, brick and steel, 1st St. and Howard Ave. $200,000.

O., Akron—FACTORY—Akron Mattress Co., Miami St., plans brick and steel factoroy addition. $50,000. L. A. Gleitzman, 706 Fernwood Dr., archt.

Mich., Detroit — ROOFING and ASBESTOS PLANT—Carey Co., 6197 Hamilton Ave., plans 1 and 2 story, brick, steel and concrete, Dexter Blvd and Detroit Terminal Ry. Private plans.

Mich., Detroit — PLANT — Scheel & Orlikowski, Ferndale and Reiden Aves., plans 1 and 2 story, concrete and steel, Mill Rd. $50,000. Private plans.

Wis., Racine—LIGHTING PLANT—Alvord, Burdick & Howson, engrs., 8 South Dearborn St., Chicago, Ill., making preliminary investigation municipal lighting plant, here, for City.

Kan., Salina—PLANT—Swift & Co., 79 West Monroe St., Chicago, Ill., H. B. Holhers, genl. mgr., purchased site and plans 2 story (ultimately 5 story) and basement, 100 x 115 ft. plant, here. Private plans.

Kan., Topeka—FEED MILL and WAREHOUSE—B. Hill, 300 Kansas Ave., having plans prepared by Dodd & Finley, 800 Graphic Art Bldg., Kansas City, Mo., 2 story and basement, 43 x 100 ft., 10,000 bu. bin capacity, rein.-con. and brick mill and warehouse.

Neb., Omaha — FREIGHT STATION — Missouri Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., having plans prepared 2 story and basement, rein.-con. freight station, 16th and Nickolas Sts., here. $300,000. E. A. Hadley, ch. engr.

Mo., St. Louis—FACTORY—W. Wurdack Mfg. Co., 21 South 11th St., purchased site and making preliminary plans new plant, Clayton St. near Newstead Ave. Engineer and architect not selected.

Ark., Camden — GASOLINE PLANT — Gillihand Oil Co. & Camden Carbon Co. had plans prepared concrete and brick modern casinghead gasoline absorption and carbon plants at Carbondale, 3 mi. south of here. $600,000. Private plans.

Ark., Little Rock—BAKERY—A. C. and G. O. Jones, soon takes bids 3 story, rein.-con., brick and steel, Garland and Cross Sts. $250,000. McKecknie & Trask, 719 Gloyd Bldg., Kansas City, Mo., archts. Noted Oct. 22.

Okla., Muskogee—GARAGE, etc.—Continental Oil Co., Continental Oil Bldg., Denver, Colo., plans garage, distributing plant and office building, here. $400,000.

Okla., Seminole — ICE PLANT — W. B. Morgan, Wewoka, plans new 25 ton ice plant, here. $40,000. Private plans.

Okla., Tulsa — PRINTING PLANT — Tulsa Daily World, World Bldg., E. Lorton, publisher, postponed taking bids 4 story and basement, 50 x 140 ft., rein.-con. and brick addition. $150,000. A. M. Atkinson, 218 Midcontinent Bldg., archt. Noted Oct. 15.

N. M., Artesia—OIL REFINERY—Ohio Oil Co., having plans prepared 3,000 bbl. oil refinery plant. $200,000. Private plans.

Calif., Alameda—ORGAN FACTORY—F. W. Smith & Son, foot of Bay St., plans factory. $40,000 or more.

Calif., Bakersfield — NEWSPAPER PLANT — Bakersfield Californian having plans prepared by Smith & Glass, Underwood Bldg., San Francisco, 2 story and basement, concrete and brick plant. $150,000. Noted Apr. 30.

Calif., Oakdale—COTTON GIN—Sacramento Valley Coton Gin Co., c/o Chamber of Commerce, plans galvanized iron buildings for cotton gin, here. To exceed $40,000.

Calif., Oakland—PLANT—Mohawk Oil Co., 311 California St., San Francisco, plans (1st unit) gasoline storage and distributing plant, Parr Terminal, here. $250,000. Private plans.

Calif., Tracy—GAS PLANT—City plans gas plant. $120,000.

BIDS DESIRED

Mass., Brookline (Boston P. O.) — REPAIR and SERVICE — See "Contracts Awarded."

Mass., Westfield—MACHINE SHOP—H. B. Smith Co., 640 Main St., Cambridge, taking bids 1 story, 111 x 210 ft., steel, Main St. To exceed $40,000. French & Hubbard, 210 South St., Boston, engrs. Noted Oct. 22.

Mich., Detroit — PLANT — A. Kahn, archt., 1000 Marquette Bldg., taking bids and open same about Nov. 10, 2 story, 121 x 371 ft. press building, and 3 story, 129 x 696 ft. hub building, here, for Budd Wheel Corp., Charlevoix Ave. Noted Oct. 22.

Wis., Kenosha — LAUNDRY — C. T. Werner, proprietor, Kenosha Laundry, 624 Elizabeth St., taking bids remodeling 2 story and basement, brick and timber laundry. $40,000. Private plans.

Mo., St. Louis—ICE PLANT—H. G. Clymer, archt., Wainwright Bldg., taking bids and open same about Nov. 1, 2 story and basement, rein.-con. and brick, Shaw Ave. and Missouri Pacific R.R. tracks, for Polar Wave Ice & Fuel Co., 3638 Olive St. $400,000.

Ark., Blytheville—MILL, etc.—See "Contracts Awarded."

Calif., Pittsburg—FACTORY—See "Contracts Awarded."

BIDS RECEIVED

N. Y., Coney Island (Sta. Brooklyn) — REPAIR SHOP—Bd. Transportation, 45 Lafayette St., New York City, Oct. 22, repair shop at Coney Island Yard, here, from P. J. Carlin Constr. Co., Grand Central Terminal, New York City, $1,700,000. Noted Oct. 8.

N. J., Trenton—BOILER HOUSE—St. Francis Hospital, Chambers and Hamilton Sts., Oct. 19, 2 story boiler house, general contract, from T. M. Day & Son, Day Bldg., $37,997; plumbing, from Piper Bros., 340 North Broad St., $32,800.

Mich., Detroit—SWITCHING STATIONS—Pub. Lighting Comn., three 2 story and basement, 55 x 64 ft. switching stations, one at Bangor St., one at Custer Ave., and other at Luden St., and 64 x 89 ft. at Porter St., for new power plant, from W. H. Mueller, 2210 Park Ave., $503,990.

CONTRACTS AWARDED

Mass., Brookline (Boston P. O.)—REPAIR and SERVICE—R. E. Snider, 18 Tremont St., Boston, will build 1 story, 105 x 200 ft., rein.-con. and brick, Lawton and New Sts. $80,000. Work will be done by separate contracts. G. N. Jacobs, 4 Park St., Boston, archt.

Mass., Cambridge (Boston P. O.)—SUBSTATION—Cambridge Electric Light Co., 8 Brattle St., 1 story, brick, Blackstone St., to Walsh Bros., 150 Hampden St. Engrs. est. $50,000.

Mass., Newburyport—FACTORY—Towle Mfg. Co., 260 Merrimac St., 3 story, 32 x 100 ft., brick and steel, to Brooks Lumber & Constr. Co., Mercantile Wharf. Archts. est. to exceed $40,000. Noted Oct. 8.

Mass., Westfield—REPAIR and SERVICE GARAGE—S. Simkowitz, 240 Elm St., 1 story, 40 x 105 ft., brick and stone, to G. H. Stevenson & Son, Westfield. Archts. est. $40,000.

R. I., Providence — FACTORY — T. McGrath, 8 Federal St., 2 story, 33 x 128 ft., brick, to Famiglietti Constr. Co., 539 Charles St. Archts. est. $40,000. Noted Sept. 17.

N. J., Irvington (br. Newark)—BAKERY—Seeburger & Rabenold, 1524 Chestnut St., Phila., Pa., 4 story and basement, 100 x 126 ft., brick, rein.-con. and steel, plain foundation, here, to Thompson & Binger, 103 Park Ave., New York City, for Drake Bakeries, 707 Clinton Ave., Brooklyn, N. Y. Noted Oct. 22.

Pa., Phila. — FACTORY — Delany Co., Inc., Cottman and Delaware Aves., 1 story and basement, 75 x 218 ft., rein.-con., brick and steel addition, plain foundation, to A. R. Raff, 1635 Thompson St. Archts. est. $70,000.

Pa., Rising Springs (Spring Mills P. O.)—HOSIERY FACTORY—H. A. Anthony Co., Sinking Springs, 90 x 110 ft. factory, and 24 x 27 ft. heater house, both 1 story and basement, brick and steel, plain foundations, here, to Sharp Constr. Co., Reading.

Md., Baltimore — SHOP — Kimball-Tyler Co., 261 South 8th St., 1 story, 160 x 200 ft., rein.-con. and brick, 261 South 8th St., to DeCou & Davis, 6 East Mulberry St., $60,000. Noted Sept. 17.

O., Cleveland — FACTORY — Electrical Mfg. Co., 4149 East 79th St., 1 story, 81 x 108 ft., brick and steel addition, to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $40,000.

Mich., Detroit—PRESS SHOP—A. Kahn, archt., 1000 Marquette Bldg., 3 story, 84 x 580 ft. press shop addition, Connors and Knodel Aves., to H. G. Christman, 315 Stevens Bldg., for Hudson Motor Car Co., 12601 East Jefferson Ave. Noted July 2.

Ill., Chicago—FACTORY—Link Belt Co., 300 West Pershing Rd., 1 story, 120 x 260 ft., brick and steel addition, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $90,000.

Ill., Mendota—FACTORY—H. D. Conkey & Co., 1 story, 90 x 140 ft., concrete and brick, to Austin Co., 160 North La Salle St., Chicago, Ill. Archts. est. $50,000.

Wis., La Crosse—FACTORY—Trane Co., 2nd and Cameron Sts., 1 story, 80 x 115 ft., brick and timber addition, to P. Nelson & Son, Newburg Bldg. Archts. est. $45,000.

Wis., Cudahy — MANUFACTURING — Federal Rubber Co., 3 story, 140 x 210 ft., brick and steel top addition, to Siderits Constr. Co., 1591 2nd St., Milwaukee.

Wis., Manitowoc—FACTORY—Aluminum Specialty Co., South 17th and Wollmer Sts., 1 story, 82 x 120 ft., brick and timber top addition, to Schuette Constr. Co., 826 South 8th St. Engrs. est. $40,000.

Ia., Cedar Rapids—MACHINE SHOP—University Crusher Co., 225 North 3rd St., 1 story, 40 x 100 ft., brick and metal machine shop, to E. Monilaw, 2240 1st Ave.

Ia., Council Bluffs — WAREHOUSE — Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., general contract 2 story and

Buildings—Industrial (Continued)

basement, rein.-con. and brick, plain foundation, at freight yards, here, to P. J. Sullivan, c/o Union Pacific Road House, Council Bluffs. Engrs. est. to exceed $45,000.

Kan., Topeka—CREAMERY—Atchison, Topeka & Sante Fe R.R. Co., Topeka, H. W. Wagoner, ch. engr. Eastern Lines, 1 story and mezzanine, 40 x 60 ft., rein.-con. and brick, to Underhill Constr. Co., 235 North Waco St., Wichita. Archts. est. $40,000.

Ark., Blytheville — MILL, etc. — Chicago Mill & Lumber Co., 500 North Dearborn St., Chicago, will rebuild saw mill, veneer mill, power house and storage sheds, here, recently destroyed by fire, by day labor. $400,000.

Mo., Kansas City — FACTORY and WAREHOUSE — Sewell Paint & Varnish Co., 3 story and basement, 60 x 72 ft., rein.-con., brick and terra cotta factory and warehouse, to J. R. Vansant Constr. Co., 417 Dwight Bldg. Archts. est. $50,000. Noted July 23.

Mo., Kansas City — FLOUR MILL — Washburn-Crosby Milling Co., 714 Bd. of Trade Bldg., 8 story and basement, 46 x 326 ft., rein.-con. and brick addition, 3115 Guinotte Ave., to Jones-Hettelsater Co., 708 Mutual Bldg., approximately $125,000. Noted Aug. 27.

Mo., St. Louis — CANDY FACTORY — Mavrakos Candy Co., 4949 Delmar Blvd., 2 story and basement, 100 x 167 ft., brick and concrete, Delmar and Walton Sts., to Lotz Constr. Co., Dolph Bldg.

Mo., St. Louis—MILK DEPOT—Pevely Dairy Co., Grand St. and Chouteau Ave., general contract 1 and 2 story, 128 x 208 ft., brick and concrete depot, garage, etc., to E. A. Steininger Constr. Co., Laclede Gas Bldg. Archts. est. $150,000.

Mo., St. Louis — SHOE FACTORY — International Shoe Co., 15th St. and Washington Ave., general contract 4 story and basement, 111 x 111 ft., brick and concrete, 1119 Mississippi St., to J. Black Masonry & Contg. Co., Arcade Bldg.

Wash., Camas—KRAFT MILL—Crown-Willamette Paper Co., 2 and 3 story, 88 x 322 ft. rein.-con Kraft mill, to Hansen-Hammond Co., Pittock Blk., Portland, Ore., $1,500,000.

Calif., Pittsburg — FACTORY — Johns-Manville Co., 500 Post St., San Francisco, steel contract for four 1 story, 100 x 500 ft. plants, here, to Amer. Bridge Co., 208 La-Salle St., Chicago, Ill.; all other work will be done by day labor, under supervision of P. A. Andrews, constr. supt., c/o owner. Archts. est. $1,000,000. Noted June 25.

Calif., Sacramento—PACKING PLANT—Wood-Curtis Packing Co., c/o O'Brien Bros., Inc., archts., 315 Montgomery St., San Francisco, 1 story, rein.-con., to Industrial Constr. Co., 815 Bryant St., San Francisco, approximately $100,000.

Buildings—Commercial

PROPOSED WORK

Vt., Barre—ARMORY—State of Vermont, H. T. Johnson, Montpelier having plans prepared by F. L. Austin, 240 College St., Burlington, 3 story, 76 x 124 ft., rein.-con. and stone, here. $150,000.

Mass., Avon—HALL and FIRE STATION —Town, G. Wood, chn. com., having preliminary plans prepared by W. J. Freethy, 113 State St., Boston, 4 story and basement, rein.-con. and brick hall and fire station. $150,000.

Mass., Boston—COURTHOUSE—Suffolk Co. Court House, Pemberton Sq., J. A. Kelliher, sheriff, plans altering and constructing 4 story and basement, rein.-con. and stone, Pemberton Sq. $150,000 or more. Engineer and architect not selected.

Mass., Brookline (Boston P. O.) — STORE and APARTMENT — E. H. Hill, plans 3 story and basement, brick, Cypress and Boylston Sts. $200,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.) — APARTMENT — E. N. Wyner, 18 Tremont St., Boston, plans 10 story and basement, brick and stone, 1558 Massachusetts Ave. $500,000. Engineer and architect not selected.

Mass., Everett (Boston P. O.) — THEATRE—Monks & Johnson, archts., 99 Chauncy St., Boston, making sketches, 1 story, brick and steel, 2,000 seating capacity, Bway. near Everett Sq. $150,000. Owner's name withheld.

Mass., Greenfield—HOTEL—Weldon Hotel Corp., J. T. Sellew, mgr., c/o Smith & Annable, archts., 143 State St., Springfield, having sketches made brick, Main St., here. $150,000 or more.

Mass., West Newbury—HOME—House of the Angel Guardian, 11 Perkins St., Jamaica Plain, plans boys home, to house 200. To exceed $150,000. Engineer and architect not selected.

Mass., Winchendon—HALL—Town, Bd. Selectmen plans reconstructing town hall, recently damaged by fire. $150,000. Engineer and architect not selected.

N. Y., Brooklyn — HOTEL — Leverich Realty Corp., 143 Montague St., soon takes bids 16 story, brick, steel and stone, plain foundation, Willow and Clark Sts. $4,000,000. Starrett & Van Vleck, 393 7th Ave., archts. and engrs. Noted June 4.

N. Y., New Rochelle—THEATRE—M. Loew, Inc., Loews State Theatre Bldg., 45th St. and Bway., New York City, having plans prepared by T. W. Lamb, 644 8th Ave., New York City, rein.-con., steel and stone, plain foundation, here. $250,000.

N. Y., New York—APARTMENT—G. A. Bagge & Sons, archts. and engrs., 157 East 44th St., preparing plans 4 story, 198 x 280 ft., brick, steel and stone, plain foundation, East 238th St. $400,000. Owner's name withheld.

N. Y., New York — APARTMENT — A. Bricken, 300 Madison Ave., having plans prepared by J. E. R. Carpenter, archt. and engr., 598 Madison Ave., brick, steel and stone, 810 5th Ave. $1,000,000.

N. Y., New York—APARTMENT—Bergman Bros., c/o H. Ginsberg, archt. and engr.; 222 East 42nd St., having plans prepared 6 story, brick, stone and steel, plain foundation, Longfellow Ave. $300,000.

N. Y., New York — APARTMENT — Evander Realty Co., c/o J. M. Felson, archt. and engr., 250 West 57th St., having plans prepared 6 story, 62 x 100 ft. brick and steel, plain foundation Grand Concourse. $375,000.

N. Y., New York — APARTMENT — J. Fischel, c/o M. J. Harrison, archt. and engr., 63 Park Row, having plans prepared 9 story, 65 x 85 ft., brick, stone and steel, plain foundation, 118 East 93rd St. $200,000.

N. Y., New York — APARTMENT — Gooschen Realty Co., c/o J. M. Felson, archt. and engr.; 250 West 57th St., having plans prepared 6 story, brick and steel, plain foundation, Tiebout Ave. $300,000.

N. Y., New York—APARTMENT—S. B. Steinmetz, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., having plans prepared two 6 story, brick and steel, plain foundations, 136th St. and Cypress Ave. $175,000 each.

N. Y., New York—APARTMENT—Rupal Realty Co., c/o C. Schaefer, archt. and engr., 3rd Ave. and 148th St., having plans prepared 5 story, 90 x 125 ft., brick and steel, plain foundation, Bryant Ave., $175,000.

N. Y., New York—LOFT and OFFICE—One Hundred and Seventy-Four 5th Ave. Corp., S. Hoffman, pres., having plans prepared by Schwartz & Gross, archts. and engrs.; 347 5th Ave., 15 story, brick and stone, plain foundation, 174-176 5th Ave.

N. Y., New York—THEATRE—Fox Film Corp., 55th St. and 10th Ave., having plans prepared by G. W. Lamb, 644 8th Ave., brick, steel and stone, plain foundation, East Tremont Ave. $1,500,000. Noted Sept. 10.

N. Y., Rochester—THEATRE and OFFICE—Keith-Albee Co., 1564 Bway., New York City, plans brick, steel and stone, plain foundation, 2,500 seating capacity, Clinton Ave., here. $2,000,000.

N. J., New Brunswick—HOSPITAL—St. Peters Hospital, c/o Maginnis & Walsh, archts., 100 Boylston St., Boston, Mass. having sketches made 5 story and basement, brick, plain foundation. To exceed $150,000.

N. J., Trenton—BANK—Mercer Trust Co., Broad and Market Sts. B. Maddock, chn. building com., 15 Whittier Ave., plans 45 x 54 ft., limestone addition. $175,000. W. A. Klemann, 1st Natl. Bank, archt.

Pa., Oak Lane (Phila. P. O.)—APARTMENT—R. R. Neely, archt., 2301 Spruce St., Phila., preparing plans 2 and 3 story, 80 x 275 ft. with three 30 x 60 ft. wings, brick, stone and steel, plain foundation, here. Owner's name withheld.

Pa., Phila. — EXHIBITION — Sesqui-Centennial International Exposition, W. F. Kendrick, 5th and Chestnut Sts., pres., having plans prepared by J. Molitor, 1315 Walnut St., 30 x 1,500 ft. automobile exposition building, and 400 x 1,000 ft. transportation building, both rein.-con., steel and stucco, wood pile foundation, Broad St. near Pattison St.

Pa., Phila.—HOSPITAL—Phila. College of Osteopathy, 19th and Spring Garden Sts., plans 4 story and basement, 50 x 200 ft., 1818 Spring Garden St. $300,000. Engineer and architect not selected.

Pa., Philmont (Philmont Club P. O.) — CLUBHOUSE—Philmont Country Club, E. Gimbel, pres., having plans prepared by Simon & Simon, 249 South Juniper St., Phila., 2½ story and basement addition. $500,000.

Pa., Rochester — HOTEL — Amer. Hotel Co., c/o G. B. Post & Sons, archts. and engrs., 101 Park Ave., New York City, N. Y., having plans prepared 100 room, brick, steel and stone hotel, plain foundation.

W. Va., Huntington—THEATRE—R. R. Lewis, c/o Coal Exch. Bldg., having sketches made by Carmichael & Millsbaugh, 7 East Long St., Columbus, O., 1 story and basement, brick and terra cotta theatre. $300,000.

N. C., Hendersonville—HOTEL, etc.—J. J. Henson, St. Petersburg, Fla., plans 2,000 room tourist hotel, incl. roads, waterworks, sewers, lights, etc., on 455 acre site on Stoney Mountain, 4 mi. north of here.

Ga., Atlanta—GARAGE—W. T. Candler, Candler Bldg., having plans prepared by Ivey & Crook, Candler Bldg., 3 story and basement, 200 x 253 ft., fireproof garage, Pryor St. and Jay Ave. $600,000.

Fla., Tampa—BOARD TRADE—Tampa Bd. Trade, L. P. Dickie, genl. mgr., having plans prepared by M. L. Elliott, Citizens Bank Bldg., 20 story building west of Lafayette St. bridge. $400,000.

Fla., Tampa — OFFICE and WAREHOUSE — Lee Terminal & Warehouse Corp., W. J. Buchanan, mgr., plans 6 story, 100 x 128 ft., office and warehouse. $100,000.

Miss., Natchez—HOTEL—J. G. Levy, c/o Engle & Laub, Natchez, making preliminary plans 6 or 7 story, 100 room, rein.-con. brick and stone, Pearl St. between Main and Franklin Sts. $250,000.

Tenn., Nashville — APARTMENT — Daugherty & Gardner, (owners and archts.) Stahlman Bldg., preparing plans 5 story and basement, rein.-con. and brick, West End Ave. $200,000.

O., Cleveland — COMMERCIAL and APARTMENT — Kamms Realty Co., c/o W. S. Ferguson Co., archts., 1900 Euclid Ave., had plans prepared 2 story and basement, 72 x 122 ft., brick and concrete Rocky River Dr. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — S. Z. Talisman, 11415 Kinsman Rd., having plans prepared by H. L. Porter and R. McNally, 3030 Euclid Ave., 3 story and basement, 40 x 200 ft., brick and steel, Kinsman Rd. $150,000.

O., Cleveland — MAUSOLEUM — United Jewish Cemeteries, S. Goldhammer, secy., Mayfield Rd., having plans prepared by S. Lovell, 224 East Ontario St., Chicago, Ill., 1 story, granite or marble and steel, Mayfield Rd. near Coventry St. $500,000.

O., Lorain — COMMERCIAL and THEATRE — G. Schenker, had plans prepared by J. F. Steffens, Fidelity-Mortgage Bldg., Cleveland, 1 and 2 story, 67 x 150 ft., brick, steel and concrete, Bway.

Ind., Terre Haute—SHRINE TEMPLE—Terre Haute Chapter Shrine takes bids about Jan. 1, 2 story, 130 x 145 ft., brick, plain foundation; North 7th St. $250,000. Johnson, Miller, Miller & Yeager, 30 North 5th St., archts.

Mich., Detroit—HOTEL—F. Wardell, Dewey and Hamilton Aves., had plans prepared by Weston & Ellington, 1507 Stroh Bldg., 12 story and basement, 171 x 250 ft., brick, concrete and steel, plain foundation, Kirby and Woodward Aves. $2,500,000.

Ill., Chicago — WAREHOUSE — J. S. Kingsley, archt., 109 North Dearborn St., takes bids about Oct. 26, 5 story and basement, 64 x 120 ft., rein.-con. and brick addition, 7621 Paulina St., for Werner Brothers Fireproof & Storage Co., 2819 Bway.

Ill., Granite City — APARTMENT and STORE — C. Lile, State and Neidringhaus Sts., having preliminary plans prepared by C. Pauley, 19th and C Sts., 3 story and basement, 100 x 125 ft., concrete, brick and stone, 20th and G Sts. $275,000.

Ill., Libertyville—THEATRE and STORE —Gridley, et al., c/o 1st Natl. Bank, having preliminary plans prepared by Oppenhamer & Obel, archts., 503 Bellin Bldg., Green Bay, Wis., 2 story and basement, 109 x 145 ft., concrete, brick, stone and terra cotta. $150,000.

Ill., Waukegan—GARAGE and SERVICE —C. N. Webster, archt., 6 North Genesee St., soon lets contract 2 story and basement, 76 x 260 ft., rein.-con. and brick, plain foundation, for J. Morrows Sons, 202 North Genesee St. $200,000.

Wis., Madison — STORE — Rennebohm Drug Co., O. Rennebohm, pres., 1355 University Ave., plans 2 story, rein.-con., brick and steel, plain foundation, Highland St. $150,000. Engineer and architect not selected.

Wis., Madison — THEATRE — Strand Theatre Corp., c/o A. P. Desorneaux, mgr., Strand Bldg., having plans prepared by E. Tough, Washington Bldg., 2 story, rein.-

Buildings—Commercial (Continued)

con. and steel, plain foundation. $200,000. Noted Sept. 31.

Wis., Madison — THEATRE — Parkway Theatre Co., c/o W. G. Beecroft, East Mifflin St., plans rebuilding 1 story, 60 x 200 ft., rein.-con., brick and steel, plain foundation, recently destroyed by fire. $150,000. Engineer and architect not selected.

Wis., Whitefish Bay (Milwaukee P. O.)—HOTEL—G. H. Gottscholk Co., 111 West Washington St., Chicago, Ill., plans fireproof hotel, Lake Dr., here. $2,000,000. Engineer and architect not selected.

Ia., Cedar Rapids—HOTEL—First Ave. Realty Co., c/o W. K. Wisner, Waterhouse Blk., takes bids about Nov. 3, 8 story and basement, 140 x 140 ft., rein.-con., brick and stone, 1st Ave. and North 2nd St. E. N. Hatton, 321 O. R. C. Bldg., archt. Noted Oct. 22.

Ia., Newton—HOTEL—F. L. Maytag, et al., c/o Maytag Co., having preliminary plans prepared by H. Raeder, 20 West Jackson Blvd., Chicago, Ill., 6 story and basement, concrete, brick and stone hotel.

Neb., Lincoln — MUNICIPAL — D. I. Erickson, engr., City Hall, preparing plans municipal building, for Police and Fire Depts., for City. $150,000.

Neb., Omaha — THEATRE — World Realty Co., 1506 Douglas St., making plans 8 to 12 story and basement, 132 x 132 ft., rein.-con., brick and steel, 16th and Douglas Sts. $1,000,000. Noted Aug. 6.

Mo., St. Louis—THEATRE, STORE and APARTMENT—St. Louis Amusement Co., 706 North Grand Ave., purchased site and plans 147 x 200 ft., brick, rein.-con., stone, steel and terra cotta, Easton St. and Hamilton Ave. $1,000,000. Engineer and architect not selected.

Ark., Little Rock—WAREHOUSE—S. J. Beauchamp, et al., 1910 Summer St., takes bids in 1926, 5 story, 142 x 300 ft., concrete, brick and steel, Markham St. between Sherman and Commerce Sts. $500,000. W. Dill, 608 Boyle Bldg., archt. Noted Oct. 20.

Tex., Dallas — WAREHOUSE and OFFICE — Wholesale Merchants Building Co., L. O. Daniel, 904 Commerce St., pres., having plans prepared by Lang & Witchell, 300 Amer. Exch. Bank Bldg., 9 story and basement, 95 x 125 ft., rein.-con., brick and stone, Commerce and Poydras Sts. $500,000.

Tex., Houston—THEATRE—Main Realty Co., having revised plans prepared by Kelwood Co., archts. and engrs., Travis Bldg., San Antonio, 6 story and basement, rein.-con., brick and tile, plain foundation, Main and McKinney Sts. $500,000. Former bids rejected. Noted July 16.

Tex., San Angelo—HOTEL—A. S. Naylor, Vernon, takes bids after Nov. 1, 6 story and basement, 150 x 200 ft., rein.-con., brick and stone, plain foundation, Chadbourne St. and Concho Ave. $200,000. R. E. Lane, 115 North 5th St., Waco, engr. and archt. Noted Sept. 17.

Tex., San Antonio — AUDITORIUM — Election Nov. 17, $200,000 bonds municipal auditorium and equipment. Address J. W. Tobin, San Antonio, mayor.

Tex., San Benito — THEATRE, BANK and OFFICE — J. T. Lomax and associates having preliminary plans prepared by H. P. Smith, Frost Bank Bldg., San Antonio, 2 and 3 story, rein.-con., brick and tile, plain foundation. $150,000.

Okla., Alva—HOTEL—Alva Building & Investment Co., c/o Chamber of Commerce, soon takes bids 6 story and basement, 42 x 72 ft., rein.-con., brick and stone, plain foundation. $250,000. Reyburn Eng. & Constr. Co., 609 Waldheim Bldg., Kansas City, Mo., archts. and engrs. Noted March 19.

N. M., Albuquerque — THEATRE — Bachechi Bros. Amusement Co. having plans prepared by Boller Bros., 114 West 10th St., Kansas City, Mo., 75 x 142 ft., terra cotta and tile, Spanish Mission type theatre, here. $150,000.

Wash., Olympia — COURT HOUSE — Thurston Co. election Dec. 5, $400,000 bonds, court house, Capitol Way.

Wash., Tacoma—TEMPLE—A. J. Russell, archt., Bankers Trust Bldg., soon lets contract 3 story, 160 x 180 ft., rein.-con. and cut stone, etc., St. Helens Ave., for Tacoma Masonic Bodies, Masonic Temple, J. McCormack, chn. $500,000.

Ore., Portland—APARTMENT HOTEL—Clark-Wilson Lumber Co., Linnton, having plans prepared 8 or 10 story apartment hotel, Bway. and Madison Ave. $500,000. Engineer and architect not announced.

Calif., Alhambra—APARTMENT HOTEL and STORE—Alhambra Community Corp., c/o Starrett & Payne, archts., Western Mutual Life Bldg., Los Angeles, having plans prepared 5 story and basement, 90 x 170 ft., rein.-con., 1st St.

SEWER—GRAND RAPIDS, MICH.

Bids were opened by city (lowest three), Sept. 23, for Broadway Avenue Relief Sewer, Contr. No. R-3, (A) C. A. Handeyside Construction Co., 1758 Penobscot Bldg., Detroit (awarded contract); (B) White Construction Co., Chicago; (C) Peninsular Construction Co., Grand Rapids. The unit bids are as follows:

	A	B	C
2,150 ft., type "A" sewer, 8 ft. 6 in. x 6 ft. 6 in., 12 8 ft. cut	$38.00	$37.00	$32.25
2,635 ft., type "B" sewer, 8 ft. 6 in. x 6 ft., 11 ft. cut	26.00	30.00	32.25
13 manholes	80.00	80.00	80.00
4,785 underdrain, 10-in.	.80	.50	.80
300 cu.yd. additional earthwork above invert	1.50	1.00	2.00
100 cu.yd. additional earthwork below invert	2.50	2.00	2.00
1,000 cu.yd. rockwork	2.00	2.00	5.00
100 cu.yd. gravel refill	2.00	2.00	3.00
25 M. ft. B. M. timber left in place	40.00	40.00	40.00
100 cu.yd. additional Class "A" concrete	15.00	10.00	16.00
10,000 lb. additional steel	.05	.05	.04
5 cu.yd. brick masonry	30.00	25.00	25.00
List price $1,250.00 clay sewer tile	—33⅓%	—0%	—20%
Extended totals	$161,961	$168,608	$169,409

Calif., Alhambra — THEATRE — L. A. Guerrieri, c/o F. D. Harrington, designer, 6176 Pasadena Ave., Los Angeles, having preliminary plans prepared 2 story theatre, Main St. $150,000.

Calif., Bakersfield — HOSPITAL—Mercy Hospital plans 4 story, 26 room, with 55 x 114 ft. wing addition. $200,000.

Calif., Blairsden — HOTEL — Van Noy Interstate Co., 292 2nd St., San Francisco, having plans prepared by F. Whitton, 369 Pine St., San Francisco, 2 story, timber, on Feather River front, here. $175,000.

Calif., Los Angeles — HOTEL — Business Dist. Development Co., Merchants Natl. Bank Bldg., had plans prepared by Meyer & Holler, Wright-Callender Bldg., 10 story and basement, rein.-con., 6th and San Pedro Sts. To exceed $150,000.

Calif., Los Angeles—LOFT, OFFICE and STORE—Sierra Corp., c/o E. Bergstrom, archt., Citizens Natl. Bank Bldg., having plans prepared 12 story and basement, rein.-con., Hill and 5th Sts. $500,000 or more.

Calif., Los Angeles — THEATRE, etc. — Pierson & Keeney, 348 La Brea Ave., having preliminary plans prepared by A. L. Miller, 348 La Brea Ave., 4 story, theatre, store and office building, 7th St. and Vermont Ave. $400,000.

Calif., Marysville—OFFICE and STORE —Hart Bros., 520 K St., Sacramento, had plans prepared by Coates & Traver, Rowell Bldg., Fresno, 7 story, brick and steel, 4th St. $150,000.

Calif., Monterey—HOSPITAL—Monterey Hospital Corp., having plans prepared by C. A. Tantau, Shreve Bldg., San Francisco, 2 story, rein.-con., Cass St. $150,000.

Calif., Oakland — HOSPITAL — Hillcrest Hospital Assn., c/o Reed & Corlett, archts., Bank of Savings Bldg., had plans prepared 8 story and basement, rein.-con. and steel, Vernon Heights. $500,000 or more. Noted June 11.

Calif., Ontario—HOTEL—W. L. Benedict, c/o E. Jones, designer, 5158 Hollywood Blvd., Hollywood, had plans prepared 2 story, 145 x 177 ft., steel and brick, Lemon St.

Calif., Oroville—THEATRE—T. & D. Junior Circuit, c/o A. H. Lamb, archt., 2761 Curtis St., Sacramento, having plans prepared rein.-con., 1,400 seating capacity, Meyer St., here. $150,000.

Calif., Palo Alto—HOTEL—Cardinal Hotel, 235 Hamilton St., plans rein.-con. hotel addition. $150,000 or more.

Calif., Pasadena — APARTMENT — McClellan & Stillman, having revised plans prepared by Union Eng. Co., 301 Bartlett Bldg., Los Angeles, 4 story and basement, 54 x 200 ft., Colorado and Mentor Sts. $180,000.

Calif., Pebble Beach—CLUBHOUSE—Monterey Peninsula Country Club, c/o C. A. Tantau, archt., 251 Kearny St., San Francisco, had plans prepared clubhouse, here. $150,000.

Calif., Redwood City—THEATRE—E. J. Arkusk, c/o Week & Day, archts., 315 Montgomery St., San Francisco, having plans prepared rein.-con. theatre, here. $175,000.

Calif., Sacramento—APARTMENT—A. Bidell, c/o F. H. Reynolds, engr., Forum Bldg., plans 5 story, fireproof, community apartment. $200,000.

Calif., Sacramento — OFFICE, STORE, THEATRE—G. Peltier, et al., c/o L. F. Starks, archt., Ochsner Bldg., having plans prepared Class A, J St. $275,000.

Calif., Salinas — HOTEL — W. Jeffrey, Hotel Jeffrey, having preliminary plans prepared 6 story brick and concrete hotel. $150,000. Engineer and architect names withheld.

Calif., San Francisco — APARTMENT — E. V. Lacey, 180 Jessie St., had plans prepared by C. O. Clausen, Hearst Bldg., 11½ story and basement, rein.-con., O'Farrell St. near Jones St. $325,000.

Calif., San Frnacisco—APARTMENT—W. Props, 2335 Larkin St., had plans prepared by W. C. Mahoney, 892 Union St., 5 story and basement, rein.-con., California and Franklin Sts. $160,000.

Calif., San Francisco—APARTMENT—Chin Pack, et al., had plans prepared by W. I. Garren, 1606 DeYoung Bldg., 5 story, rein.-con., Sacramento St. $150,000.

Calif., San Francisco — GARAGE — J. Jerome, 321 Bush St., had plans prepared by D. A. Riedy, Pacific Bldg., 2 story, rein.-con., 3rd and Folsom Sts. $150,000.

Calif., San Francisco—HOTEL—Conlin Estate, c/o O'Brien Bros., archts., 315 Montgomery St., had plans prepared 6 story and basement, brick, Page and Franklin Sts. $160,000.

Calif., San Francisco—HOTEL—A. McGinnis, c/o Shea & Shea, archts., 454 Montgomery St., plans 6 story and basement, concrete, Mission St. near 8th St. $175,000.

Calif., San Francisco — HOTEL — C. Rodoni, 312 Bush St., having plans prepared 6 story and basement, rein.-con., Stockton St. near Bush St. $150,000. Engineer and architects names withheld.

Calif., San Francisco—OFFICE—Hunter-Dulin & Co., 256 Montgomery St., having plans prepared by Schultz & Weaver, Pacific Mutual Bldg., Los Angeles, 25 story and basement, Class "A," Sutter and Montgomery Sts. $5,000,000. Noted Oct. 22.

Calif., San Francisco—OFFICE—Russ Estate, c/o J. H. Rucker, Mills Bldg., having preliminary plans prepared by G. W. Kelham, Sharon Bldg., 25 story or more, Class "A" office building, Montgomery St. To exceed $1,500,000.

Calif., San Francisco—OPERA HOUSE —City and San Francisco Co. had plans prepared by Bake & Brown, 251 Kearny St., and G. A. Lansburgh, 104 Montgomery St., municipal opera house, Van Ness Ave. $3,000,000.

Calif., San Francisco — STORE, LOFT, etc. — Mangrum & Otter, Inc., 827 Mission St., had plans prepared 1 story and basement, (ultimately 5 story) timber and concrete store, loft and garage, Mission and 8th Sts. $150,000. T. Ronneberg, Crocker Bldg., engr.

Calif., San Francisco—STORE and LOFT —Kohler & Chase, O'Farrell St., having plans prepared by Meyer & Johnson, 742 Market St., 6 story and basement, Class A, O'Farrell St. near Powell St. $150,000. C. H. Snyder, 251 Kearny St., engr. Noted May 21.

Calif., San Francisco—STUDIO—J. C. Hladik, archt., Monadnock Bldg., preparing preliminary plans 1 story, Class "A" studio building, in downtown district. $400,000. Owner's name withheld.

Calif., San Francisco—THEATRE—S. Levin, c/o Reid Bros., archts., 105 Montgomery St., having plans prepared Class A theatre, 1,700 seating capacity, California and Fillmore Sts. $250,000.

Calif., San Francisco—THEATRE—Blumenfield Theatres, c/o Reid Bros., archts., 105 Montgomery St., having plans prepared Class A, 29th and Taraval Sts. $160,000.

Calif., San Francisco—WAREHOUSE—Ames, Harris & Neville, 37 Front St., had plans prepared by Miller & Pflueger, Lick Bldg., 4 story, heavy mill construction, 17th and Alabama Sts. $250,000 or more.

Calif., San Francisco—WAREHOUSE—State Board Harbor Comrs., Ferry Bldg., having plans prepared warehouse with carpenter shop, garage, etc., Seawall Lot 17. $200,000. F. G. White, c/o owner, ch. engr.

Calif., San Francisco—WAR MEMORIAL —City and San Francisco Co. had plans prepared by Bakewell & Brown, 251 Kearny St., and G. A. Lansburgh, 140 Montgomery St., war memorial museum, Van Ness Ave. $400,000.

Calif., San Jose—STORE and LOFT—Trinkler-Dohrman, c/o Ashley & Evers, archts., Holbrook Bldg., San Francisco, had

Buildings—Commercial (Continued)

plans prepared 3 story and basement, rein.-con., Clay St. $150,000.

Calif., Santa Barbara — HOTEL — J. H. Fast c/o Edwards & Denman, archts., 1405 Anacapa St., having plans prepared 4 story and basement, rein.-con., Haley St. $150,000 or more.

Calif., Santa Monica — HOSPITAL — Pacific Beach Hospital Corp., c/o W. H. Shaw, archt., 1747 Maltman St., Los Angeles, having preliminary plans prepared about 7 story, rein.-con. hospital, here. $750,000 or more.

Calif., Stockton—HOTEL—J. Ruitz, c/o R. P. Morrell, archt., Union Bldg., having plans prepared 4 story and basement, 126 room brick and steel, Main and Center Sts. $150,000.

Calif., Woodland—HOTEL and STORE—E. L. Younger, et al., having plans prepared by W. H. Weeks, 369 Pine St., 2 story, probably rein.-con., Main St. $150,000.

Calif., Woodland — MAUSOLEUM — Woodland Cemetery plans rein.-con. mausoleum. $150,000. J. D. Musgrove, pres. Bd. Trustees.

B. C., Vancouver—CITY HALL, etc.—City plans combined city hall and civic center. $3,000,000-$4,000,000. C. Brackeridge, City Hall, engr.

B. C., Vancouver—STAGE DEPOT—Pacific Stages, Ltd., 724 Hornby St., soon takes bids 2 story and basement ,75 x 120 ft., rein.-con., Dunsmuir and Seymour Sts. $155,000. Townley & Matheson, 325 Homer St., archts.

B. C., Victoria—HOSPITAL—Sisters of St. Ann, St. Josephs Hospital, soon take bids 2 and 4 story, rein.-con. addition. $200,000. C. E. Watkins, Broad St., archt.

BIDS DESIRED

Mass., Boston — HOME — Old Peoples Home, M. Morse, chn. com., Hotel Avery, taking bids 3 story and basement, 70 x 90 ft. home, two 30 x 90 ft. dormitories, rein.-con. and brick, King, Queen and Train Sts., Dorchester. Former bids rejected $500,000. Noted Oct. 8.

Mass., Brighton (Boston P. O.) — EXCHANGE — New England Telephone & Telegraph Co., 50 Congress St., Boston, taking bids 2 story and basement, 40 x 130 ft., rein.-con. and brick, 40 Henshaw St. To exceed $150,000. R. C. Sturgis, 120 Boylston St., Boston, archt.

Mass., Dorchester (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Everett (Boston P. O.) — EXCHANGE — New England Telephone & Telegraph Co., 50 Oliver St., Boston, taking bids 2 story and basement, brick, Chelsea and Victoria Sts., here. $150,000. Densmore, LeClear & Robbins, Park Sq. Bldg., Boston, archts. Noted June 11.

Mass., Springfield — HOTEL — A. Freedman, 214 Belmont Ave., taking bids 6 story and basement, 43 x 56 x 116 ft., rein.-con., brick and steel hotel. To exceed $150,000. J. W. Foster, 105 Bridge St., archt. Noted Sept. 10.

Conn., New Haven — TEMPLE — Olive Branch Masons, 909 Whalley Ave., taking bids 2 story and basement, 70 x 120 ft., brick, steel and stone temple. $150,000. R. W. Foote, 185 Church St., archt. Noted Sept. 3.

N. Y., Brooklyn—CLUB HOUSE—Nov. 4 (extended date), by McKim, Mead & White, archts., 101 Park Ave., New York City, 12 story and basement, 162 x 186 ft., brick, steel and stone, plain foundation, Boerum Pl., Schermerhorn and Livingston Sts., here, for B. P. O. E. 22, Brooklyn Lodge. $3,000,000.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. J., Trenton—HOSPITAL—Nov. 9, by State Institutions & Agencies, 3 story, 40 x 44 ft. nurses home, 3 story, 29 x 69 ft. doctors home, 4 story, 44 x 111 ft. convalescent building, 4 story, 45 x 96 ft. psychopathic building, all brick and stone, for State Hospital. $375,000. A. B. Mills, State Office Bldg., archt.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Md., Baltimore — DISPENSARY — Nov. 10, by J. E. Sperry, archt., Calvert Bldg., 8 story and basement, 169 x 238 ft., rein.-con., brick, plain foundation, Monument St. near Wolfe St., for Johns Hopkins Hospital. $1,000,000. H. F. Doeleman, 507 North Charles St., engr. Noted Aug. 13.

Md., Baltimore—STORE—Nov. 5, by Starrett & Van Vleck, archts., 393 7th Ave., New York City, altering and constructing 3 story, brick, concrete and steel addition to department building, plain foundation, Howard and Lexington Sts., for Stewart & Co. $250,000.

Fla., Palm Beach — HOTEL — Nov. 9, Schultze & Weaver, archts. and engrs., 17 East 49th St., New York City, 1 and 6 story, steel and brick, plain foundation, here for Florida East Coast Hotel Co., c/o architects. $3,000,000.

Mich., Detroit — APARTMENT — W. Hamacher, archt., 916 Kresge Bldg., taking bids 3 story and basement, 70 x 140 ft., brick and steel, plain foundation, Martindale and Joy Rds. $150,000. Owner's name withheld.

Mich., Detroit — THEATRE — C. W. Brandt, archt., 1114 Kresge Bldg., taking bids 2 story and basement, rein.-con. and brick, plain foundation, Michigan and Lawndale Aves. $150,000. Owner's name withheld.

Mich., Highland Park (Detroit P. O.)—HOSPITAL—Nov. 9, by D. C. Gowing, city clk., 20 Gerald Ave., 2 story, 32 x 38 ft. dormitory, 36 x 43 ft. psychopathic unit, and 38 x 94 ft. contagious unit, all rein.-con., brick and steel, Glendale and Lincoln Aves., for Highland Park General Hospital. $175,000. Muehlman & Farrar, 2231 Park Blvd., Detroit, archts.

Ill., Aurora—LODGE—Nov. 2, by Zimmerman, Saxe & Zimmerman, archts., 212 East Superior St., 4 story, 70 x 165 ft., rien.-con., brick and stone club, for Aurora Elks Building Assn. $250,000. Noted Aug. 20.

Minn., Duluth—COMMERCIAL—Jan. 10, by A. H. Polinsky, 322 West Superior St., 3 story and basement, 25 x 140 ft., rein.-con., terra cotta, and tile, 101 West Superior Sts., for A. H. Polinsky & E. R. Ribeneck, 322 West Superior St. $200,000. L. F. Bowman, 208 Exchange Bldg., archt. and engr.

Neb., Omaha—MAIL STATION—Nov. 5, by Chicago, Burlington & Quincy R.R. Co., 547 Jackson Blvd., Chicago, Ill., general contract for 3 story, rein.-con. and steel mail station, between 10th and 11th Sts. and railroad tracks, here. $500,000. W. T. Kransch Eng. & Building Co., c/o owner, archt. Noted Oct. 22.

Neb., Omaha — THEATRE — M. Grinn, 1107 First Natl. Bank Bldg., taking bids 5 story and basement, brick, steel and rein.-con., concrete pile foundation, 20th and Farnam Sts., for A. H. Blank, 300 Commonwealth Bldg., Des Moines, Ia.; excavation for above, to F. L. Busche Co., 4118 North 30th St. Archts. total est. $1,000,000. Noted Aug. 6.

N. D., Fargo — LODGE — Nov. 3, by Grand Lodge A. O. U. W., c/o B. C. Marks, Fargo, 3 story 60 x 81 ft., rein.-con. and stone, 10th St. and 62nd Ave. N. $150,000. Keith & Kurke, 311 Equity Bldg., archts. Noted June 25

Mo., Maplewood (br. St. Louis)—HOTEL and APARTMENT — See "Contracts Awarded."

Okla., Tulsa — GARAGE and SALES ROOM — N. B. Fleming, archt., 504 Bliss Bldg., taking bids 4 story and basement, 100 x 140 ft., rein.-con., brick and stone, for P. J. Hurley, 1st Natl. Bank Bldg. $150,000.

Calif., San Francisco—APARTMENTS—See "Contracts Awarded."

Calif., San Francisco — HOTEL — See "Contracts Awarded."

BIDS RECEIVED

Calif., Altadena (Pasadena P. O.) — HOME — Boys and Girls Society, c/o M. Hunt, archt., Hibernian Bldg., Los Angeles, group of orphanage buildings, here, from Arndorff Constr. Co., 351 North Western Ave., Los Angeles, $253,525 (not incl. heating contract). Noted Oct. 22.

N. Y., New York—HOSPITAL, etc.—Bd. Trustees Bellevue & Allied Hospitals, 415 East 26th St., J. J. McGrath, pres., Oct. 26, general contract addition to Harlem Hospital, Lenox Ave. and 135th St., and nurses residence, for Fordham Hospital, Southern Blvd. and Crotona Ave., from Butler Reisdorf Co., 120 East 41st St., $89,680 and $357,700 respectively; plumbing, for Fordham hospital, from Nally Plumbing & Contg. Co., 172 West 98th St., $42,780. Noted Oct. 22.

CONTRACTS AWARDED

Me., Biddeford—STORE and OFFICE—J. A. Paquin, 147 Main St., 3 story and basement, 55 x 100 ft., brick, Main St., to M. J. Greene Constr. Co., 390 Congress St., Portland. Archts. est. $150,000.

Mass., Dorchester (Boston P. O.) — APARTMENT—H. K. Goldstein, 10 Florence St., Allston, will build (3 apartment units), 3 story and basement, rein.-con., brick and stone, Wilder Rd., here, by day labor. $150,000. Wienbaum & Wexler, 53 Cornhill St., Boston, archts. Noted Oct. 8.

Conn., Willimantic—HOTEL—Community Hotel Corp., W. P. Jordan, pres., 4 story and basement, 84 x 120 ft., brick and steel, Main St., to Day & Zimmerman, 2 Wall St., New York City, about $200,000. Noted Aug. 20.

N. Y., Brooklyn—BANK and OFFICE—Bank of United States, 5th Ave. and 42nd St., New York City, J. Marcus, pres., 4 story, rein.-con., brick and stone, plain foundation, 1528 Pitkin Ave., here, to H. B. H. Constr. Co., 110 West 40th St., New York City. Archts. est. $200,000.

N. Y., New York — APARTMENT — Kenningway Corp., 250 Park Ave., brick, steel and stone, plain foundation, 62 East 79th St., to T. E. Rhoades Co., Inc., 342 Madison Ave. Archts. est. $500,000.

N. Y., New York—APARTMENT—Two Hundred and Fifty-Three West 72nd St. Corp., Book-Cadillac Hotel, J. B. Book, pres., 22 story, 105 x 125 ft., brick, steel and stone, plain foundation, 253 West 72nd St., to H. A. Hyman, 50 East 42nd St. Archts. est. $3,000,000 or more.

N. Y., New York—APARTMENT—Duo Building Corp., c/o G. G. Miller, engr. and archt., 1482 Bway., 6 story, brick, steel and stone, plain foundation, Cypress Ave., by day labor. Archts. est. $250,000. Noted Sept. 3.

N. Y., New York—APARTMENT—Fisk Constr. Co., c/o Leo-Stillman, 311 Lenox Ave., will build 6 story, brick, steel and stone, plain foundation, Walton Ave., by day labor. Archts. est. $200,000.

N. Y., New York — THEATRE — One Hundred and Eighty-Two Suffolk St. Corp. 874 Bway., A. T. Halperin, pres., brick, steel and stone, plain foundation, Clinton and Suffolk Sts., to Longacre Constr. Co., 345 Madison Ave. Archts. est. $250,000.

N. Y., New York — THEATRE and STORE — A. Brisbane, 238 William St., brick, steel and stone, plain foundation, West 54th St., to J. Stewart & Co., Inc., 17 East 42nd St. Archts. est. $750,000. Noted Aug. 27.

N. J., Atlantic City — HOTEL — W. M. Stanton, archt., 152½ Chestnut St., Phila., Pa., 9½ story and basement 81 x 125 ft., brick, rein.-con. and steel, plain foundation, North Carolina and New Pacific Sts., here, to C. P. Tilton, South Virginia Ave. Archts. est. $400,000. Owner's name withheld.

N. J., Atlantic City — HOTEL — W. M. Stanton, archt., 1524 Chestnut St., Phila., Pa., Coltor Manor Hotel, 13 story, 120 x 140 ft., rein.-con. and brick, plain foundation, Pennsylvania Ave. below Pacific Ave. and Boardwalk, here, to Taylor-Meyor, Keystone Bldg., Pittsburgh, Pa. Archts. est. $600,000. Owner's name withheld.

N. J., Newark — WAREHOUSE — Standard Sanitary Mfg. Co., 18 East 45th St., New York City, 4 story, rein.-con., brick and steel, plain foundation, Ferry St., here, to J. W. Ferguson, 40 West 40th St., New York City. Noted Sept. 17.

Pa., Phila. — APARTMENT — Arrow Constr. Co., 34 South 17th St., will build 4 story and basement, 292 x 325 ft., rein.-con., brick and steel, plain foundation, Greene and Johnson Sts., by day labor. $750,000. H. Pratt, 35 South 17th St., archt.

Pa., Phila.—APARTMENT—M. Levick, c/o Haupt & Mueller, archts., 901 Walnut St., 4 story and basement, 51 x 100 ft., brick and steel, plain foundation, 123-25 South 39th St., to J. S. Roystone, 705 East Girard St. Archts. est. $150,000.

Pa., Phila. — APARTMENT — A. H. Mueller, archt., 901 Walnut St., 4 story and basement, 53 x 92 ft., brick and steel, plain foundation, 41st and Parkside Sts., to J. S. Roystone, 705 East Girard St., for P. Levy, c/o architect. Archts. est. $150,000. Noted Sept. 3.

Pa., Phila. — APARTMENT — C. W. Rudisill, Marietta, 3 story and basement, 82 x 221 ft., brick, plain foundation, King St. and Queen Lane, to Nelson-Pedley Co., Corn Exch. Bldg. Archts. est. $200,000.

Pa., Phila.—BANK—Phila. Savings Fund Society, 700 Walnut St., brick, steel and stone, plain foundation, 52nd and Ludlow Sts., to G. A. Fuller Co., 175 5th Ave., New York City, N. Y. Archts. est. $1,000,000. Noted May 28.

Pa., Phila. — OFFICE — A. H. Brockie, archt., 254 South 15th St., 5 story and basement, 24 x 146 ft., rein.-con., brick and steel, plain foundation, 1606 Walnut St., to Roberts & Roller, 1904 Sansom St., for Townsend Whelen Co., 505 Chestnut St. Archts. est. $225,000. Noted Oct. 8.

Md., Baltimore — OFFICE — Parker, Thomas & Rice, archts., Union Trust Bldg., 6 story and basement, 75 x 175 ft., brick and limestone, Charles and Chase Sts., to J. H. Miller, Inc., Eutaw and Franklin Sts., for Mutual Life Insurance Co., 15 South St. $600,000. Noted Oct. 8.

N. C., Charlotte — OFFICE — First Natl. Bank, 20 story and basement, 60 x 125 ft., brick, steel and concrete office building, to Hunkin Conkey Constr. Co., Hunkin Conkey Bldg., Cleveland, O., $1,000,000. Noted July 23.

Buildings—Commercial (Continued)

Fla., Bartow—HOTEL—Hotel Rables Co., H. W. Wear, pres., 3 story hotel, to J. W. Shaw, 467 Houston St., Atlanta, Ga. $450,000.

Ala., Birmingham—HOTEL—Bankhead Hotel Co., Chicago, Ill., 15 story, basement and mezzanine, 100 x 100 ft., concrete, brick, steel and terra cotta, 5th Ave. and 23rd St., here, to H. L. Stevens & Co., 30 North Michigan Ave., Chicago, Ill., $1,650,000.

O., Cleveland—STORAGE and GARAGE—Building Transportation Co., c/o A. Waite of Green Cab Co., 1618 Walnut St., 3 story and basement, 110 x 120 ft., brick and rein.-con., Oregon Ave., to N. F. Blair Constr. Co., Penton Bldg. Archts. est. $175,000.

Mich., Detroit—HOSPITAL—Grace Hospital, John R St., 3 story, brick, stone, steel and concrete addition, to O. Misch Co., 159 East Columbia St. Archts. est. about $150,000.

Mich., Hamtramck (br. Detroit)—HOSPITAL—City, 3 story and basement, brick, and rein.-con. hospital, to M. Bartholomaei Son & Co., 1574 East Warren Ave., Detroit, $152,000.

Mich., Menominee—THEATRE, STORE, etc.—Community Building Co., M. B. Lloyd, chn., rein.-con. frame for 4 story and basement, 100 x 200 ft., brick and concrete, plain foundation, to B. Beaureguard, West De Pere, Wis., $82,740. Noted Oct. 8.

Ill., Chicago—APARTMENT HOTEL—W. C. Bannerman, 77 West Washington St., general contract 8 story, 62 x 150 ft., rein.-con. and brick, plain foundation, 6165-6169 Winthrop Ave., to W. C. Bannerman & Co., 77 Washington St. Archts. est. $500,000.

Ill., Chicago — HOTEL — W. C. Bannerman, 77 West Washington St., general contract 6 story and basement, 50 x 166 ft., rein.-con. and brick, 418 Melrose Ave., to W. C. Bannerman & Co., 77 West Washington St. Archts. est. $300,000.

Ill., Peoria—WAREHOUSE—L. B. Portman & Co., Kansas City, Mo., 7 story and basement, rein.-con., brick and steel, Jackson and North Washington Sts., to V. Jobst & Son, Lehman Bldg., Peoria. Archts. est. $500,000. Noted June 18.

Ill., Waukegan — GARAGE — Chicago, North Shore & Milwaukee R.R. Co., 72 West Adams St., Chicago, B. I. Budd, pres., 2 story and basement, 60 x 150 ft., rein.-con. and brick, plain foundation, 10th St., here, to W. J. Scown, 36 West Randolph St., Chicago. Archts. est. $150,000.

Wis., Kenosha—GARAGE and STORAGE—Wisconsin Gas & Electric Co., Pub. Serv. Bldg., general contract 1 story, 82 x 127 ft., rein.-con., brick and steel, plain foundation, to G. Linderman, 237 Lake St.; structural steel, to Worden-Allen Co., Port Washington Rd., Milwaukee. Archts. est. $150,000. Noted Oct. 22.

Wis., Milwaukee — APARTMENT — Devonshire Realty Co., c/o A. Straus, 230 Grand Ave., 3 story, 52 x 88 ft., and 47 x 94 ft., brick and concrete, plain foundation, Prospect Ave., to Reisinger & Co., 464 Oakland Ave. Archts. est. $200,000.

Mo., Maplewood (br. St. Louis)—HOTEL and APARTMENT—Brown Real Estate Co., 7161 Manchester Ave., will build 5 story and basement, 130 x 165 ft., rein.-con., brick and stone, Yale and Manchester Aves., by day labor. $400,000.

Mo., St. Joseph—APARTMENT—T. L. Ritchey, 522 North 25th St., general contract 3 story and basement, 128 ft. x 168 ft. x 200 ft., steel and brick, 25th and University Sts., to Lehr Constr. Co., 1710 Frederick St. Archts. est. $225,000.

Mo., St. Louis—COMMERCIAL—Rose Realty Co., general contract Garment Center Building, 10 story and basement, 130 x 135 ft., rein.-con., brick and steel, Washington and 13th Sts., to G. Sokol, 7069 Pershing Ave. Archts. est. $1,000,000.

Mo., University (br. St. Louis)—TEMPLE—T. P. Barnett Co., archts., Arcade Bldg., and J. W. Leigh, Ry. Exch. Bldg., St. Louis, 2 story and basement, rein.-con., brick and stone, Delmar Blvd. and Trinity Ave., to Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, for University City Lodge 649 A. F. and A. M. Archts est. $150,000.

Wash., Seattle — OFFICE, etc. — Fifth Avenue Building Co., Metropolitan Bldg., 8 story and basement office, theatre and store, 5th and Union Sts., to Tuefel & Carlson, Metropolitan Bldg. $1,500,000.

Calif., Los Angeles — STUDIO — Beaux Arts Building Co., 816 South Figueroa St., 11 story and basement, rein.-con., Beacon and 8th Sts., to Stanton, Reed & Hibbard, Metropolitan Bldg., approximately $750,000.

SEWER—DETROIT, MICH.

Bids were opened by city, Aug. 31, for Conners Creek Sewer, outlet section, (A) George R. Cooke Co., 1260 Penobscot Bldg. (awarded contract); (B) Spencer White & Prentis Co., 1200 Washington Blvd.; (C) Nash Bros., 10 South La Salle St. The unit bids are as follows:

	A	B	C
304 ft. of 2-bbl. Sec. AA reinforced concrete structure only	$300.00	$450.00	$846.00
617 ft. of 2-bbl. Sec. BB	392.00	500.00	950.00
113 ft. of 3-bbl. Sec. CC	485.00	450.00	1,137.00
1,261 ft. of 2-bbl. water cooling intake, complete including excavation	98.50	80.00	176.00
Special section 28 x 104 ft (lump sum)	50,000.00	50,000.00	25,000.00
960 sq.yd. alley paving with 3-in. tile drain	3.25	3.00	10.00
330 ft. of 12-in. crock, catch basin connection	2.25	3.00	10.00
2 standard alley basins	60.00	200.00	150.00
Temporary warehouse complete (lump sum)	12,500.00	15,000.00	12,000.00
All detours, complete (lump sum)	9,000.00	30,000.00	85,000.00
Structural steel for building columns (per ton)	190.00	100.00	100.00
Sealing 4 openings in existing sewer (lump sum)	7,500.00	ea. 200.00	6,000.00
Cleaning existing sewer as specified (lump sum)	18,000.00	.....	
Rebuilding water main in Clairpointe Ave. (lump sum)	1,875.00	8,000.00	8,000.00
Rebuilding water main in Jefferson Ave. (lump sum)	1,250.00		
Steel sheet piling complete left in place, per lin.ft. wall sheeted	30.00	22,200.00	100,000.00
Steel sheet piling for construction purposes only	12.00		
Razing 2 buildings on American Motor Body property complete (lump sum)	1,500.00		
Razing shed on corner Clairpointe and Jefferson (lump sum)	200.00	15,000.00	40,000.00
Razing pile bridge on Clairpointe Ave. (lump sum)	250.00		
Razing Jefferson Ave. Connors Creek bridge (lump sum)	6,000.00		
Moving material into temporary warehouse from American Motor Body property	1,600.00	2,500.00	.....
8-in. pipe sleeves and stoppers in roof of sewer	1.00	.....	200.00
Extra reinforcing steel placed (per ton)	100.00	80.00	200.00
Extra concrete placed	25.00	10.00	25.00
Excavation and fill	3.00	2.00	6.00
2 standard manholes, 8 ft. or less in height	75.00	200.00	150.00
Extended totals	$814,969	$898,800	$2,168,900

Calif., San Francisco—APARTMENTS—V. Gullmes, 323 Chattanooga St., will build two 3 story and basement apartments, Fell and Webster Sts., by day labor. $75,000 each. H. C. Baumann, 251 Kearny St., archt.

Calif., San Francisco — HOTEL — W. S. King, Hearst Bldg., (owner and contractor) will build 8 story and basement, 120 room, rein.-con., Ellis St. $255,000. J. C. Hladik, Monadnock Bldg., archt.

Calif., San Francisco — HOTEL — Whitcomb Hotel, Market St., will build 7 story and basement, rein.-con. and steel hotel annex, Market and 8th Sts. $500,000. Work will be done by separate contracts, under supervision C. C. Nason, constr. mgr., 240 Whitcomb Hotel.

Alta., Banff—HOTEL—Canadian Pacific Rys., 230 St. James St., Montreal, Que., general contract hotel addition, here, to Bennett & White Co. Ltd., 9th Ave. W., Calgary. Archts. est. $150,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Auburn—HIGH SCHOOL—Town, R. Howe, supt. schools, plans 2 story, brick high school. $200,000. Engineer and architect not selected.

Mass., Boston—SCHOOLS—Y. M. C. A. and Northeastern University, A. S. Johnson, pres., 316 Huntington Ave., plans school buildings. $750,000. Engineer and architect not selected.

Mass., Charlestown (Boston P. O.)—HIGH SCHOOL — City, Schoolhouse Dept., City Hall, Boston, having plans prepared by G. D. McLaughlin, 80 Boylston St., Boston, 2 story, brick and stone addition, Bunker Hill Dist. $150,000.

Mass., Fitchburg—HIGH SCHOOL—City, School Com., having plans prepared by Haynes & Mason, 280 Main St., brick and steel addition. $500,000.

Mass., Jamaica Plain (Boston P. O.) — SCHOOL—Church of Blessed Sacrament, Center and Creighton Sts., A. T. Connelly, pastor, having preliminary plans prepared by C. R. Greco, 11 Beacon St., Boston, 2 story and basement, brick, Centre St. $150,000.

Mass., Medford (Boston P. O.) — CHURCH—St. James Roman Catholic Church, F. Murphy, pastor, Fellsway, corner 4th St., having sketches made by E. T. P. Graham, 171 Newbury St., Boston, 1 story, brick and stone church. $150,000.

Mass., Medford (Boston P. O.) — HIGH SCHOOL — City, School Com, plans Junior High School, 2 story, brick, Court, Park and Tainter Sts. $800,000. Engineer and architect not selected.

Mass., Melrose (Ind. br. Boston)—HIGH SCHOOL—City, School Bd. plans 2 story high school in east side section. $200,000. Engineer and architect not selected.

Mass., Norwood — SCHOOL — St. Catherines Roman Catholic Parish, J. F. Doherty, 555 Washington St., having sketches made by McLaughlin & Burr, 88 Tremont St., Boston, 2 story and basement, brick school. $150,000.

Pa., Phila.—SCHOOLS—Bd. Educ., 19th and Chestnut Sts., plans Senior High School, 26th and Sergeant Sts., and Junior High School, 53rd and Media Sts. I. T. Catharine, 19th and Chestnut Sts., archt.

D. C., Wash.—MEDICAL—Howard University, 2401 6th St. N. W., plans medical school building. $370,000.

La., New Orleans—COLLEGE—Dominican Sisters having plans prepared by A. S. Montz, 205 Strand Bldg., and soon takes bids (1st unit) 4 story, rein.-con. college building, incl. dormitory, Tudor-Gothic type, with swimming pool in basement, St. Charles Ave. and Bway. Total cost $1,250,000.

Tenn., Knoxville — MEMORIAL — University of Tennessee Alumni Assn., plans memorial building. $175,000. Engineer and architect not selected.

O., Berea — DORMITORY, OBSERVATORY, Etc. — Baldwin-Wallace College, A. B. Storms, pres., plans 2 and 3 story, brick, steel and concrete dormitory, observatory, gymnasium and athletic field. $500,000. W. Watson & associates, 4614 Prospect Ave., Cleveland, archts.

Ind., Terre Haute — HIGH SCHOOL — Bd. Educ. takes bids about Dec. 15, Junior High School, 2 story, 318 x 328 ft., brick, plain foundation. $625,000. Johnson, Miller, Miller & Yeager, 30 North 5th St., archts.

Mich., Detroit—SCHOOL, etc.—Malcolmson & Higginbotham, archts., 1217 Griswold St., takes bids about Nov. 9, 3 story, 122 x 150 ft., rein.-con. and brick, plain foundation, also 48 x 53 ft. power house, etc., Six Mile Rd., for University of Detroit, 630 East Jefferson Ave.

Ill., Aurora — HIGH SCHOOL — P. J. Muldoon, pastor, 1704 National Ave., Rockford, had plans prepared by J. W. Van Der Meer, 208 Meade Bldg., Rockford, 3 story and basement, rein.-con., brick and stone catholic school for girls, College and Root Sts., here. $250,000.

Ill., South Chicago (sta. Chicago) — CHURCH and SCHOOL — W. C. Carnegie, archt., 6 North Clark St., Chicago, soon takes bids 2 story, 55 x 110 ft., rein.-con. and brick, 102nd St. and Ave. J., here, for St. Francis De Sales Church, 102nd St. and Ave. J.

Wis., Milwaukee—SCHOOL—Milwaukee University School, 560 Bway., having plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., brick and tile, plain foundation, Hartford Ave. $400,000.

Wis., Racine — HIGH SCHOOLS — Bd. Educ., A. H. Schafer, secy., will receive plans for architecutral and engineering services, Nov. 12, for 2 brick, tile and concrete high schools, plain foundations. $900,000.

Ia., Ottumwa—CHURCH—First Presbyterian Church, c/o H. S. Thomson, Ottumwa, having plans prepared by C. P. Shockley, Black Bldg., Waterloo, rein.-con.,

Buildings—Educational, Religious (Cont.)

brick and stone, Marion and 4th Sts. $150,000.

Tex., San Antonio — CHURCH and SCHOOL — Church of Immaculate Heart of Mary, S. M. Preciado, pastor, having plans prepared by L. M. J. Dielmann, 305 East Commerce St., engrs. and archts., 2 story and basement, 100 x 150 ft., rein.-con., brick and stone, plain foundation, San Saba & San Luis Sts. $150,000.

Okla., El Reno — HIGH SCHOOL and HALL—Bd. Educ. having revised plans prepared by Layton, Hicks & Forsyth, 908 Baniff Bldg., Oklahoma City, 3 story and basement, 111 x 138 ft., rein.-con., brick and stone high school and hall. Former bids rejected. $165,000. Noted Oct. 1.

Ariz., Tucson — GYMNASIUM — University of Arizona, having plans prepared by R. W. Place, Tucson, 125 x 200 ft. gymnasium on campus. $150,000.

Calif., Alameda—HIGH SCHOOL—Voted $375,000 bonds, completing group high school buildings, for Alameda High School Dist.

Calif., Berkeley — CHURCH — Trinity Methodist Episcopal Church, c/o G. Rushforth, archt., 354 Pine St., San Francisco, made plans brick and stone, Dana and Durant Sts. $150,000.

Calif., El Segundo—HIGH SCHOOL—Plans election $225,000 or more bonds for fireproof high school, for El Segundo High School Dist.

Calif., Fullerton — HIGH SCHOOL — Brea Olinda Union High School Dist. having preliminary plans prepared by T. C. Kistner Co., 1121 Detwiler Bldg., Los Angeles, high school, near here. $320,000 bonds voted.

Calif., Los Angeles — CHURCH — First Baptist Church having plans prepared by Allison & Allison, 1405 Hibernian Bldg., 3 story and part basement, 220 x 242 ft., rein.-con., Westmoreland and Leeward Aves. $700,000. Noted April 2.

Calif., Los Angeles—HIGH SCHOOL—City having plans prepared by R. D. Farquhar, Security Bldg., fireproof high school, Beverly Hills Dist. $350,000.

Calif., Modesto — HIGH SCHOOL — Modesto Junior High School Dist. having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, Junior High School. $150,000 or more.

Calif., Petaluma—CHURCH—St. Vincents Parish Church, J. Kiely, pastor, having plans prepared by L. J. Devlin, Pacific Bldg., San Francisco, rein.-con. church. $160,000.

Calif., San Leandro—HIGH SCHOOL—San Leandro Union High School Dist. having plans prepared by E. W. Cannon, Ray Bldg., Oakland, 2 story fireproof high school. $240,000.

Calif., Whittier — SCHOOLS — Whittier School Dist. voted $280,000 bonds, for 3 schools.

Calif., Woodland — CHURCH and SCHOOL — Christian Church of Woodland, having plans prepared by L. F. Starks & Co., Ochsner Bldg., Sacramento, rein.-con., brick and terra cotta church and school. $75,000 each.

BIDS DESIRED

Mass., Quincy (Loston P. O.)—CHURCH —Atlantic Methodist Episcopal Church, G. V. Shedd, 62 East Squantum St., Atlantic Section, taking bids 1 story and basement, 43 x 85 ft., rein.-con. and granite church. $150,000. Woodbury & Stuart, 581 Boylston St., Boston, archts. Noted March 19.

N. Y., Woodhaven (Jamaica P. O.) — SCHOOL — Nov. 5, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 63, Sutter Ave. from 90th to 91st Sts., here, for Bd. Educ., Park Ave. and 59th St., New York City.

Pa., Phila.—SCHOOL—Nov. 4, by Bd. Educ., c/o J. D. Cassell, supt., 19th and Chestnut Sts., 4 story and basement, 159 x 268 ft., rein.-con. and brick, plain foundation, Pike St. between 17th and 18th Sts. $1,000,000. I. T. Catharine, 19th and Chestnut Sts., archt.

N. C., Clinton — SCHOOLS — Nov. 9, by Sampson Co. Bd. Educ., Piney Grove, Dismal and Herring Schools, each 12 rooms, Hall's, Shady Grove, and Plain View Schools, each 10 rooms; and Taylors Bridge School, 7 rooms. Linthicum & Linthicum, 117 West Martin St., Raleigh, archts.

La., Lafayette—HIGH SCHOOL—Nov. 5, by Bd. Educ. Lafayette Parish, L. L. Judice, pres., 2 story, rein.-con. and brick high school. $150,000. W. T. Nolan, Canal-Commercial Bldg., New Orleans, archt. Noted Mar. 5.

Mich., Dearborn—SCHOOL—Nov. 12, by E. E. Walborn, secy. Bd. Educ. Dist. 7, 2 story and basement, 65 x 125 ft., rein.-con. and brick, plain foundation, Oxford St. $150,000. G. D. Mason & Co., 80 Griswold St., Detroit, archt.

Wis., Delafield—MEMORIAL CHAPEL—T. Van Alyea, archt., 424 Jefferson St., Milwaukee, taking bids 2 story, 60 x 140 ft., stone and concrete, plain foundation, here, for St. Johns Military Academy. $150,000. Noted Oct. 1.

BIDS RECEIVED

Mass., New Bedford—HIGH SCHOOL—City, Pub. Building Com., 3 story and basement, brick, steel and stone, Frederick St., from J. W. Bishop Co., Times Bldg., complete $535,017; from A. E. Stephens, 145 State St., Springfield, general contract $360,800. Noted Oct. 8.

N. Y., Port Richmond (Sta. Staten Island) — HIGH SCHOOL — W. H. Gompert, archt. and Supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, for general contract high school, Innis St. and St. Joseph Ave., here, for Bd. Educ., 59th St. and Park Ave., New York City, from G. DeKempie, Inc., 30 Church St., New York City, $594,000; plumbing, from T. E. O'Brien, 6311 5th Ave., Brooklyn, $41,889; heating, from D. J. Rice, Inc., 405 Lexington Ave., New York City, $71,700; and electrical work, from New York Electrical Constr. Co., 8 East 41st St., New York City, $26,320. Noted Oct. 15.

N. J., Long Branch — SCHOOL — Bd. Educ., general contract 2 story, 71 x 251 ft., and 117 x 153 ft., brick and steel, plain foundation, Westwood Ave., from Zerbe Constr. Co., 1133 Bway., New York City, $435,000; heating and ventilating, from A. T. Van Cleve, Inc., Ocean Grove, $54,996; plumbing, from W. R. Hogg, 320 Bond St., Asbury Park, $24,900.

CONTRACTS AWARDED

Mass., Medford (br. Boston)—COLLEGE —Marist Fathers, 35 Middlesex St., A. Rabel, pastor, 2 story and basement, granite and stone, Green Rd., to L. Cyr, 246 Essex St., Lawrence. Archts. est. $500,000. Noted Oct. 15.

Mass., Quincy (Ind. br. Boston)—HIGH SCHOOL—City Building Dept., P. E. Barbour, mayor, will build 3 and 1 story and basement, 63 x 172 ft., and 82 x 138 ft., brick and stone, plain foundation, East Squantum St. Work will be done by separate contracts. $400,000. Noted Sept. 24.

Mass., West Roxbury (Boston P. O.)—SCHOOL — Schoolhouse Dept., Boston, 2 story, brick and stone addition Henry Vane School, Gardner and Dunwell Sts., here, to McDonald & Imhoff, 164 Dudley St., Roxbury. Archts. est. $150,000. Noted Oct. 8.

Mass., Worcester—CHURCH—Our Lady of Vilma Roman Catholic Church, 1 story and basement, 110 x 158 ft., brick and stone, Sterling St., to J. M. and C. J. Buckley Co., 128 Vernon St. Archts. est. to exceed $150,000.

R. I., Woonsocket — CHURCH — Sacred Heart Parish, c/o A. J. Murphy, 146 Westminster St., Providence, 1 and 2 story and basement, brick, stone and granite, plain foundation, to Mahoney & Tucker, 72 Weybosset St., Providence. Archts. est. $150,000. Noted Oct. 22.

Conn., New Haven — FRATERNITY — Delta Kappa Upsilon, Yale University, 2 story, 50 x 135 ft., brick and stone, to Sperry & Treat Co., 39 Church St. Archts. est. $200,000.

N. Y., Forest Hills (Ind. Sta. Flushing) —SCHOOL—Bd. Educ., 59th St. and Park Ave., general contract P. S. 101, Russell Pl., here, to Concord Constr. Co., 476 Seneca Ave., Brooklyn, $507,800; heating, to Almirall & Co. ,Inc., 1 Dominick St., New York City, $57,990; plumbing, to N. P. Lorenzo, 430 Pearl St., New York City, $25,630. Noted Oct. 15.

Pa., Huntingdon—HIGH SCHOOL—Bd. Educ., general contract 2 story and basement addition to high school, to Wilson Constr. Co., Johnstown, $131,365.

Pa., Phila. — DORMITORIES — Stewardson & Page, archts., 315 South 15th St., two 4 story and basement, 45 x 129 ft., rein.-con., brick and steel, plain foundation, 33rd, 34th and Spruce Sts., to W. R. Dougherty, 1610 Sansom St.; for University of Pennsylvania. Archts. est. $400,000. Noted Oct. 1.

Pa., York—HIGH SCHOOL—Bd. Educ., D. N. Crider, secy., Senior High School, 2 story and basement, 233 x 245 ft., rein.-con., brick and steel, Beaver St. and West College Ave., to C. W. Strayer, 2302 North 2nd St., Harrisburg. Noted Oct. 22.

Md., Baltimore—SCHOOL—Bd. Awards, 1 story and basement, 63 x 244 ft. school, between Collins and Lyndhurst Aves., near Edmondson Ave., to DeCou & Davis, 6 East Mulberry St., $151,800. Noted Oct. 22.

O., Cleveland—CHURCH—Fifth Church of Christ Scientist, c/o S. Adams, 6110 Franklin Ave., 1 story and basement, 120 x 120 ft., brick, steel and concrete, West 117th St. and Lake Ave., to Van Blarcom Co., Natl. City Bldg. Archts. est. $200,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., general contract 2 story and basement, rein.-con. and steel, Grover Ave., to Davis & McGoingle, Mackie Ave. and Detroit, Toledo & Ironton Ry. tracks, $149,500; also heating, to Drake Avery Co., 210 State St., $50,230. Noted Oct. 22.

Mich., Detroit — HIGH SCHOOL — Bd. Educ., 1354 Bway. Ave., general contract 3 story and basement, 95 x 125 ft., and 50 x 110 ft., rein.-con. brick and steel, La Salle Blvd., to Martin & Krausman, 501 Guaranty Trust Bldg., $363,750; also heating, etc., to J. W. Partlan, 1255 West Park Ave., $81,600.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., 2 story, open air school, Davison Ave., to Davis & McGonigle, Mackie Ave. and Detroit Toledo & Ironton Ry. tracks. Noted Oct. 1.

Mich., River Rouge — SCHOOL — Ecorse School Dist. 4, M. J. Higgins, secy. Bd. Educ., 2 story and basement, 120 x 150 ft., rein.-con., brick and steel school, to F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit. Archts. est. $200,000. Noted Sept. 17.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., general contract four 2 story and basement, concrete and brick schools, 90 x 368 ft., Wellington and McVicker Aves., to Siebold & Nunkirchen, 615 North Lincoln Ave., 90 x 368 ft., South Leavitt and West 100th Sts., to Michuda Bros., 10748 South Michigan Ave., and 90 x 268 ft., West 58th St. and South Springfield Ave., to F. V. Zintak, 4140 Archer Ave., archts. ests. $500,000 each for above; 2 and 3 story and basement, 245 x 475 ft., East 78th St. and Engleside Ave., to Paschen Bros., 111 West Washington St., archts. est. $1,250,000. Noted July 16.

Wis., Madison—HALL and REFECTORY University of Wisconsin, J. Phillips, bus. mgr., 4 story addition to Bascom Hall, and 2 story Refectory, both rein.-con., brick and steel, plain foundations, to J. P. Cullen & Son Co., Janesville, $292,610 and about $150,000 respectively. Noted Sept. 17.

Wis., Milwaukee—SCHOOL—Backes & Uthus, archts., 216 West Water St., 2 story and basement, 148 x 150 ft., brick, plain foundation, 1st St., to E. Steigerwald & Sons, 51st and State Sts., for St. Elizabeth Congregation, 192 Burleigh St. Archts. est. $200,000. Noted Oct. 8.

Ia., Dubuque — SCHOOL — University of Dubuque, general contract Van Vliet Hall, 3 story and basement, rein.-con., brick and stone, to Braun Bros., Dubuque. Archts. total est. $200,000. Noted Oct. 22.

Ore., Portland—GRADE SCHOOL—Bd. Educ., general contract 2 story, 188 x 200 ft., rein.-con. and brick, coarse sand and gravel foundation, Wygant St. between 6th and 7th Sts., to H. E. Doering, 703 Johnson St., $218,610.

Calif., Oakland—HIGH SCHOOL—City, 2 story, rein.-con. and terra cotta, 35th Ave., to Staton & Dean, 450 Prince St., $163,270.

Federal Government Work

PROPOSED WORK

Cuba, Guantanamo — Deck and Roof — Spec. 5150 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans floating steel deck and alterations to roof of steel gasoline storage tank, at Naval Station, Guantanamo Bay, here.

BIDS DESIRED

W. Va., Alderson — Reformatory — Nov. 30, by Treas. Dept. at office Supervising Archt., Wash., D. C., buildings for Federal Industrial Institution for Women, for Dept. of Justice, here. J. A. Wetmore, acting supervising archt. Noted April 2.

W. Va., Fairmont—Addition—Nov. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, 14 x 30 ft. mailing vestibule, storage, etc. at post office, here.

N. C., Oteen—Refrigerating Plant—Nov. 17th, by U. S. Veterans Bureau, Arlington

Federal Government Work (Continued)

Bldg., Wash., D. C., refrigerating plant, for U. S. Veterans Hospital, here.

La., Shreveport—Remodeling—Nov. 24, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending and remodeling U. S. Post Office and Courthouse, here; adv. E. N.-R. Oct. 29.

Ill., Great Lakes (br. Waukegan) — Ash Handling System — Spec. 5164 — Nov. 11, by Bureau Yards & Docks, Navy Dept., Wash., D. C., ash handling system, for Naval Training Station, here.

Nebraska — Gates — Dec. 3, by Bureau Reclamation, Denver, Colo one 50 x 50 ft. structural steel regulating gate and frame, 20 x 26 ft. structural steel penstock gate and frame, two 14.5 x 64 ft. steel drum gates, for Guernsey Dam, North Platte Project, Nebraska-Wyoming; adv. E. N.-R. Oct. 29.

Tex., Galveston—Dredging—Nov. 27, by U. S. Engineer Office, dredging Sabine Neches Waterway; adv. E. N.-R. Oct. 29.

Okla., Oklahoma — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., having preliminary plans prepared 4 story and basement, 150 x 175 ft. post office addition, here. $750,000.

Calif., Palo Alto—Water Softening Plant —Nov. 17, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., water softening plant for U. S. Veterans Hospital, here.

Calif., San Diego—Paving—Spec. 5162 —Nov. 11 (extended date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., rock and asphalt paving parade ground at Naval Operating base, here. Noted Oct. 8.

Calif., San Francisco — Dredging — Nov. 13, by U. S. Engineer Office, Custom House, San Francisco, dredging in San Rafael Creek, Area A about 133,000 yds., Area B about 61,900 yd.

Calif., San Francisco—Fence—Spec. 5144 —Nov. 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., fence for Marine Corps Depot for Supplies, here. Noted Oct. 15.

T. H., Honolulu—Dredging—Dec. 21, by U. S. Engineer Office, dredging in Honolulu Harbor; adv. E. N.-R. Oct. 29.

BIDS RECEIVED

D. C., Wash.—Lamp Standards—Treas. Dept. at office Supervising Archt., Oct. 19, cast iron lamp standards for various public buildings, from Flour City Ornamental Iron Co., 2637 27th Ave. S, Minneapolis, Minn. $3,300. Noted Oct. 8.

Fla., Miami—Changes—Treas. Dept. at office Supervising Archt., Wash., D. C., changes at post office, here, from English Constr. Co., 15 West 91st St., New York City, N. Y., $1,900. Noted Oct. 15.

Wis., Janesville — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $19,585.

CONTRACTS AWARDED

N. Y., New York—Water Main—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., watermain in U. S. Veterans Hospital, Bronx, here, to C. D. Blasio, 339 South 7th Ave. Mt. Vernon, N. Y., $19,786. Noted Oct. 22.

Pa., Phila. — Dredging — U. S. Engineer, 1505 Race St., dredging in Delaware River, at Philadelphia Harbor, to Amer. Dredging Co., Mariner & Merchant Bldg., Phila., Pa., $310,440. Noted Oct. 1.

Va., Norfolk—Hydraulic Dredge—U. S. Engineer Office, 15 in. hydraulic pipe line dredge, to New York Shipbuilding Corp., Bway. and Fairview Ave., Camden, N. J., $268,650. Noted Sept. 3.

Fla., Lake City — Refrigerating Plant — Veterans Bureau, Arlington Bldg., Wash., D. C., refrigerating plant, at U. S. Veterans Hospital 63, here, to Frick Co., Waynesboro, Pa. $8,335.

Ala., Florence — Gate Hoist — U. S. Engineer Office, movable head gate hoist for power house, Wilson Dam, Tennessee River, to J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., $2,026. Noted Sept. 10.

Tenn., Tullahoma — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., post office, here, to A. M. Lundberg, Federal Commerce & Trust Bldg., St. Louis, Mo., $36,800 (12 months). Noted Oct. 22.

Calif., San Diego—Radio Station—Spec. 5159—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio station, Chollas Heights, at Naval Operating Base, here, to C. Bourbon, 272 Spreckles Bldg., San Diego, item (1) $2,100 (60 days).

Unclassified

PROPOSED WORK

Underground Cable—Boston, Mass.—New England Telephone & Telegraph Co., 119 Milk St., plans underground cables between Central Offices, city proper. $100,000. Private plans.

Park — Hingham, Mass. — Plans public park off Otis St. $35,000 appropriated. Private plans.

Playground—West Roxbury (Boston P. O.), **Mass.**—Street Layingout Dept., Boston, plans school playground between Greaton and Russett Rds., here. $25,000. J. F. Sullivan, secy.

Grandstand, Field and Track — Warwick, R. I.—Rocky Point Amusement Co., 25 Westminster St., Providence, making plans ½ mi. steel and concrete auto speedway, grandstand, athletic field and track, here. To exceed $25,000. H. A. Lewis, 75 Westminster St., Providence, engr.

Street Lighting—Oak City, N. C.—Plans street lighting and distribution system, etc. J. C. Ross, mayor.

Underpasses—Reidsville, N. C.—Southern Ry., 1300 Penn Ave., Wash., D. C., plans underpass at Cartre Crossing, and one at Wrays Mill Crossing, at or near here. F. L. DeRamus, Greensboro, local supt.

Resort Development — Shelby, N. C. — E. Marshall & Son, Clearwater, Fla., Cleveland Springs Park and 300 additional acres and plans resort development, incl. hotel, lake, golf course, drives, sewers, etc., here.

Swimming Pool—Vero Beach, Fla.—Vero Beach Casino Co. plans large swimming pool.

Wharves, etc.—New Orleans, La.—New Orleans Dock Bd. plans completing Poland St. wharf, $525,000, Dumaine St. wharf, $610,000, St. Andrew St. wharf, $450,000, and rebuilding Mandeville St. wharf, $200,000; also coal, etc., handling plant, $300,000, and boiler plant and grain elevator, $50,000.

Swimming Pool—New Orleans, La.—See "Buildings—Educational, Religious."

Athletic Field—Berea, O.—See "Building —Educational, Religious."

Park Buildings, etc.—Chicago, Ill.—South Park Comrs., 57th St. and Cottage Grove Ave., soon takes new bids group park buildings, incl. 1 story, 160 x 230 ft. field house, etc., East 104th St. and Oglesby Ave. $300,000. Former bids rejected. L. White, 57th St. and Cottage Grove Ave., archt. Noted Oct. 1.

Lighting System—Forest Park, Ill.—Plans ornamental lighting system. $300,000. Suhr, Berryman & Peterson, 105 North Clark St., Chicago, engrs.

Overhead Crossing—Madison, Wis.—Chicago & Northwestern R.R. Co., West Jackson and Franklin Sts., Chicago, Ill., B. C. Kulp, div. engr., plans overhead crossing at Pond St., here. $85,000. Engineer not selected.

Causeways — Point Isabel, Tex. — See "Streets and Roads."

Semaphore System—Berkeley, Calif.—City plans electrically controlled semaphore system to regulate vehicular traffic. $50,000. F. B. Rae, city electrical engr.

Wharf — Monterey, Calif. — City plans election $250,000 bonds, wharf. F. B. Smith, 58 Sutter St., San Francisco, engr.

Piers, Sheds, etc.—Oakland, Calif.—Plans election $2,664,600 bonds for double piers with transit sheds, etc., at Grove St. and another at Clay St.; $1,470,000 bonds for 17,000 ft. wharf, transit shed, etc., on outer harbor; also $3,820,000 bonds for 3,800 ft. berthage, etc., Brooklyn Basin Mole and Pier. W. W. Harmon, city engr.

Underpass—South San Francisco, Calif. —State Hy. Dept., Sacramento, plans underpass under South Pacific R.R. tracks, to have 40 ft. clear roadway, and at one side separate subway 10 ft. above grade of road, etc., here. $260,000 or more. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Power Line — Ontario — Ontario Hydro Power Comn., 190 University Ave., Toronto, plans power line from Chatham to Kent Bridge. $40,000. T. A. Magrath, chn.

Grain Elevator—New Westminster, B. C. —Saskatchewan Co—Operative Co., Regina, Sask., J. A. Maharg, pres., making plans for 5,000,000 bushel capacity grain elevator, incl. 18 x 950 ft. gallery and 62 x 94 ft. workhouse, 186 ft. high, both timber; 62 x 247 ft. storage, 58 x 100 ft. track shed, 16 x 42 ft. boiler house, 20 x 65 ft. office and sub-station, etc., all foreging rein.-con., here. $1,500,000. C. D. Howe Co., Port Arthur, Ont., archt.

BIDS DESIRED

Gas Mains—Whitefish Bay, Wis.—See "Contracts Awarded."

Transmission Line—Arkansas—See "Contracts Awarded."

Wharf—Midland, Ont.—Nov. 10, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldg., Ottawa, constructing wharf and dredging approaches thereto, here. Simcoe Co. $40,000.

BIDS RECEIVED

Comfort Station—New York, N. Y.—Park Bd., Dept. Parks, Arsenal Bldg., 64th St. and 5th Ave., Oct. 22, comfort station under terrace bridge, in Central Park, from M. Gibbs, 2541 Acqueduct Ave., $22,634. Noted Oct. 15.

CONTRACTS AWARDED

Ferryboat — New York, N. Y. — W. W. Mills, comr. Plant & Structures, Municipal Bldg., constructing steel screw ferryboat, to Staten Island Shipbuilding Co., 3075 Richmond Terrace, Port Richmond, $724,300. Noted Oct. 22.

Pier Shed Equipment—New York, N. Y. —Commissioner Docks, Pier "A," North River, shed equipment for Pier 2, North River, Contr. 1854, sprinkler system, to H. C. Vogel Co., 15 West 37th St., $20,589; steam heating, to J. H. Martin, 51 East 42nd St., $12,569; plumbing and water supply, to J. S. Murphy Co., 215 East 47th St., $11,900. Noted Oct. 8.

Ventilation Buildings—New York, N. Y. —New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., 2 ventilation buildings, one at Washington and Spring Sts. and other at end Canal St. Pier, to De Riso Bros., 50 East 42nd St., $1,277,953; installing pumping equipment, to Booth & Flinn, Green and Tompkins Aves., Brooklyn, $37,700. Noted Oct. 15.

Foundation—Baltimore, Md.—Mayor and City Council concrete foundation of city college, Gorsuch and Montebello Aves., 33rd St. and Alameda Blvd., to C. L. Stockhausen Co., Gay and Water Sts., $143,800. Noted Oct. 8.

Gas Mains—Whitefish Bay, Wis.—Milwaukee Gas Light Co., 182 Wisconsin St., Milwaukee, will extend gas mains from Milwaukee, by own forces. To exceed $25,000.

Grand Stand, etc. — St. Louis, Mo. — Dodier Realty Investment Co., 2906 North Spring Ave., rein.-con. side and top additions to grandstand, also rein.-con. covered pavilion and timber bleachers, 3,500 seating capacity, to Osborn Eng. Co., East 71st, Euclid Bldg., Cleveland, O. Engrs. est. $150,000.

Transmission Line — Arkansas — Southwestern Gas & Electric Co., Texarkana, will build 22 mi. 66,000 volt transmission line from Texarkana to Ashdown, with step-up stations and provision for additional units, etc., by day labor. Private plans.

Power Line — Texas — Comal Light & Power Co., New Braunfels (subsidiary of San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio,) 45 mi. transmission lines from main line of Company east of San Antonio, going to Pleasanton, also to Lacoste and Lytle, etc., to Texas Central Power Co., Frost Bank Bldg., San Antonio, approximately $200,000. Noted July 9.

Materials

PROPOSED WORK

Pig Lead—Montreal, Que.—Corporation of Montreal, City Hall Annex, plans to purchase 1 carload pig lead. L. O. Pion, purch. agt.

BIDS RECEIVED

Broken Stone—Long Island City, N. Y. —M. J. Shugrue, acting pres. Queens Boro, Queens Subway Bldg., Oct. 23, 3,450 cu.yd. broken stone, for Bureau Highways, from Peace Bros., Inc., 20 Main St., Flushing, $9,971. Noted Oct. 15.

Castings—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Oct. 23, steel castings to corporation yards, from Detroit Steel Castings Co., 227 Fulton St. $2,220. Noted Oct. 15.

CONTRACTS AWARDED

Fuel Oil—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 20,000 gal. fuel oil to Bureau of Highways, to Standard Oil Co. of New York, 26 Bway., New York City, $1,200. Noted Oct. 22.

Gravel—Greenville, Miss.—Washington Co., c/o Bd. Supervisors, 40,000 tons Camden gravel, f.o.b. pit, to Memphis Stone & Gravel Co., Exch. Bldg., Memphis, Tenn., at $0.50 per ton.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Nov. 24.

Sewer Construction

LETTING NO. 18

Louisville, Ky.

Sealed proposals will be received by the Commissioners of Sewerage of Louisville at its office, Board of Trade Building, Third and Main Streets, Louisville, Ky., until 12 o'clock noon, November 24th, 1925, for the construction of the Central Relief Extensions, Contract No. 24, at which place and time the bids will be publicly opened and read.

Bids are invited upon the construction of the drain in open trench or in tunnel.

Statement of approximate amounts of work embraced in this contract:

7,290 linear feet of concrete drain sizes 8' 1½" by 5' 5" Inverted Egg Shape to 36" circular, to include appurtenant structures such as Manholes, Junction Chambers, Relief Structures, etc.

In the above work there will be approximately the following quantities:

7,300 linear feet of Excavation in trench or tunnel.
4,200 cubic yards of Concrete, plain and reinforced.
405,000 lbs. of reinforcing steel.
Minor items not listed.

Payment for excavation will be by the linear foot, concrete by the cubic yard and steel per pound.

Information for Bidders, Form of Proposal, Contract and Specifications bound in one volume and drawings may be had at the office of the Commission upon deposit of Twenty ($20.00) dollars to secure the return of same in good condition within thirty (30) days after the date set for the opening of the bids.

Each proposal shall be made upon the blank "Form of Proposal" furnished for this purpose and must be inclosed in a sealed envelope addressed to the "Commissioners of Sewerage of Louisville, Board of Trade Building, Third and Main Streets, Louisville, Ky.," and accompanied by a certified check drawn upon a State or national bank or trust company established in the City of Louisville or in the City of New York, for an amount not less than ten (10) per cent of the total amount of accompanying proposal, payable to Commissioners of Sewerage of Louisville, or Bidder's Bond executed as set forth in Information for Bidders.

The right to accept any bid or reject any and all bids is reserved.

Commissioners of Sewerage of Louisville.
By MATT H. CRAWFORD,
Chairman.
P. H. HOGE, JR.,
Sec. and Treas.

J. B. F. BREED,
Chief Engineer.

Bids: Dec. 1.

Steel Bridge

OFFICE OF THE STATE HIGHWAY COMMITTEE

Olympia, Wash., October 19, 1925.

Sealed bids will be received at this office until 10 o'clock a.m., December 1, 1925, and then opened for constructing a steel highway bridge across the Columbia River on State Road No. 7 at Vantage Ferry, Washington.

This bridge is approximately 2,474 feet in length and involves the following approximate quantities:

Excavation for foundations, 8,500 cu.yds.
Concrete, 10,250 cu.yds.
Reinforcing Steel, 500,000 lbs.
Structural Steel, 3,000,000 lbs.
Timber, 550 M.B.M.

At least two piers will require the use of the pneumatic process in sinking, with pressure heads from 55 feet to 85 feet and involving 4,500 cu.yds. of excavation and 550 M.B.M. of timber for caissons.

Plans and specifications may be obtained from the office of the state highway engineer at Olympia, Washington, by depositing $15.00 for each set of plans required. The deposit check will be returned to only those concerns submitting a bid.

J. W. HOOVER,
State Highway Engineer.

OFFICIAL PROPOSALS

Bids: Nov. 16.

Bridge

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION

Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for:

Construction of a reinforced concrete slab bridge on plain concrete abutments founded on timber piling, having a clear span of 20'0" with a 40'0" clear width of roadway, over Muskee Creek at M. P. 16.7 on Route No. 15, in the County of Cumberland.

Bids for the above will be received at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, November 16th, 1925, at twelve o'clock (12:00 Noon), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, Room 901, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and name of the bridge on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: Nov. 17.

Plumbing System

WESTCHESTER COUNTY PARK COMMISSION
CONTRACT NO. 59P

Bronxville, N. Y.

Sealed bids for the installation of the plumbing system in the Bath House at Kingsland Point, Village of North Tarrytown, N. Y., will be received at the office of the Westchester County Park Commission, 72 West Pondfield Road, Bronxville, N. Y., until 11:30 a.m. on November 17, 1925, when the bids received will be publicly opened and read.

Pamphlets containing information for bidders, form of proposal, specifications and contract drawings may be obtained by intending bidders at the above address by depositing $5.00.

The right is reserved to reject any or all bids.

Westchester County Park Commission.
By JAY DOWNER,
Chief Engineer.

Dated: October 26, 1925.

OFFICIAL PROPOSALS

Bids: Dec. 15.

Concrete Apron Wharf

Mobile, Ala.

Sealed proposals will be received by the Alabama State Docks Commission at their office, Second Floor, State Office Building, Mobile, Alabama, until 10:00 a.m., December 15th, 1925, and then publicly opened for furnishing and constructing a concrete apron wharf for Pier No. 2. About 19,700 cubic yards of concrete; 3,400 concrete piles; 75,000 square feet creosoted sheet piling, and other materials are included.

A deposit of Fifty Thousand ($50,000.00) Dollars in cash or certified check, or in lieu thereof a bidder's bond for like amount with an approved company is required with each proposal.

Specifications, proposal forms and plans are on file in the office of the Purchasing Agent, Second Floor, State Office Building, Mobile, Alabama. Complete sets will be furnished to prospective bidders on deposit of $50.00, which will be refunded to depositors who submit formal proposals, or return sets in good condition, within thirty days of opening of bids.

A bond to the amount of 50 per cent of the sum bid is required with notarial contract.

The right is reserved to reject any or all bids and to waive informalities.

ALABAMA STATE DOCKS COMMISSION,
WILLIAM L. SIBERT, Chairman.

Bids: Nov. 19.

Bridge

Long Beach, Calif.

Bids will be received until 10 a.m., November 19th, 1925, by the City Manager, C. H. Windham, at his office in the City Hall.

Plans and specifications may be obtained from the office of the City Engineer by responsible contractors upon making a deposit of ten dollars ($10).

The bridge will be in concrete, structure crossing the County Flood Control channel at Broadway, 570 feet long and 70 feet wide, supported on concrete piers resting on wood piling. The work includes approximately

6,000 cubic yards of concrete.
350 tons of reinforcing bars.
33,000 linear feet wood piling, and
3,000 linear feet concrete piling.

R. D. VAN ALSTINE,
City Engineer,
City Hall, Long Beach, Calif.

Bids: Nov. 4.

Excavating, Grading, etc.

WESTCHESTER COUNTY PARK COMMISSION
CONTRACT NO. 37

Bronxville, N. Y.

Sealed bids for excavating, grading and constructing drainage structures of a portion of the Silver Lake Parkway Drive from Westchester Avenue, City line of White Plains to the Boulevard at Hancock Street, a distance of 5,200 feet, will be received at the office of the Westchester County Park Commission, 72 West Pondfield Road, Bronxville, N. Y., until 11:30 A.M., November 4, 1925, when the bids will be publicly opened and read.

The principal items are:

13,000 cu.yds. stripping and storing top soil.
16,000 cu.yds. earth excavation.
35,000 cu.yds. embankment.

Pamphlets containing information for bidders, form of proposal, specifications and contract drawings may be obtained by intending bidders at the above address by depositing $5.00.

The right is reserved to reject any or all bids.

WESTCHESTER COUNTY PARK COMMISSION,
By JAY DOWNER,
Chief Engineer.

Dated: October 15, 1925.

CONSTRUCTION NEWS

Engineering News-Record, Nov. 5, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded are the following big jobs:

Proposed Work

Auditorium, St. Louis, Mo., City having preliminary plans prepared, $5,000,000.

College, San Leandro, Calif., St. Mary's College had plans prepared, $3,000,000.

Theatre, Palm Beach, Fla., F. Ziegfield plans building, $3,000,000.

School, New Orleans, La., Orleans Parish School Board plans bond sale, $2,500,000.

Hotel, New York, N. Y., J. C. Abramson having plans prepared, $2,000,000.

Sea Wall, Pascagoula, Miss., City and Jackson Co. plans 2-mi. sea wall, $2,000,000.

Hotel, Yonkers, N. Y., Yonkers Chamber of Commerce having plans prepared, $1,500,000.

Office, Hartford, Conn., Travelers' Insurance Co. had plans prepared, $1,500,000.

Bank and Office, Nashville, Tenn., Fourth & First National Banks having preliminary plans prepared, $1,000,000.

Hotel, Santa Barbara, Calif., Biltmore Corp. plans hotel, $1,000,000.

Theater, Jamaica, N. Y., Tri-United Corp. having plans prepared, $1,000,000.

Theater, Buffalo, N. Y., Fox Film Co. plans building, $1,000,000.

Medical Arts, Wichita Falls, Tex., J. W. Culbertson having plans prepared, $1,000,000.

Bids Wanted On Big Jobs

Hotel, Newark, N. J., I. R. Roe, c/o Sharpe, Bready & Peterkin, Inc., N.Y.C., soon takes bids, $2,000,000.

Drainage, etc., Osceola, Ark., Sub-Dist. 3, D. D. 9, Mississippi Co., takes bids, Nov. 19, $2,000,000.

High School, Jackson, Mich., Bd. Educ. soon takes bids, $1,200,000.

Power Plant, St. Louis, Mo., Bd. Pub. Service soon takes bids, $1,000,000.

Large Contracts Let During Week

Railway, Idaho, Northern Pacific R.R. Co. to Twohy Bros., San Francisco, Calif., $3,500,000.

Hotel, Los Angeles, Calif., Hotel Holding Corp. to Trewhitt - Shields, $3,000,000.

Stadium, Chicago, Ill., South Park Comrs. to J. Griffiths & Sons Co., $2,202,605.

Apartment, Chicago, Ill., A. W. Swayne to A. Brundage Co., $2,000,000.

Apartment, New York, N. Y., Jatison Constr. Co., Inc., will build by day labor, $2,000,000.

Paving, Punta Gorda, Fla., Charlotte Co. to Broadbent Constr. Co., $1,711,167.

Sea Wall, New Orleans, La., New Orleans Lever Bd. to Reynolds Dredging Co., $1,680,000.

Bank and office, Charlotte, N. C., First Nat. Bk. to Hunkin-Conkey Constr. Co., Cleveland, O., $1,500,000.

Apartment, New York, N. Y., Minto Building Corp. will build, $1,000,000.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Ill., Warsaw — Takes bids about Dec. 1, 250 g.p.m. rapid sand water purification plant with pumps, motors, etc., and at a later date 1,800 ft. 8 in. and 700 ft. 4 in. c.i mains, 100,000 gal. tank on tower, valves., etc. $20,000. E. Flad & Co., 1312 Chemical Bldg., St. Louis, Mo., engrs.

Neb., Callaway — Plans election $27,500 bonds, for waterworks.

N. D., Fargo — Making plans about 19 blocks 10- to 18-in. c.i. mains in 15th St. between 13th Ave. S. and 6th Ave. N. $150,000. R. T. Jacobson, city engr.

Mo., Clayton—See "Unclassified."

Mo., Craig — Defeated $55,000 bonds, waterworks and distribution system, also sanitary sewers in various streets. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs. Noted Sept. 17.

Mo., Senath—Takes bids about Dec. 1, 75,000 gal. tank on tower, 18,000 ft. 4 and 6 in. c.i. mains, two deep wells, pump house and 2 deep well turbines. E. Flad & Co., 1312 Chemical Bldg., St. Louis, engrs. Noted Oct. 8.

Okla., Altus — Voted $790,000 bonds, Bitter Creek and Lugart water supply. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs. Noted Oct. 8.

Okla., Bethany — Voted $25,000 bonds, new waterworks. H. E. Musson, Grain Exch. Bldg., Oklahoma City, engr. Noted Oct. 15.

Calif., Ontario — Plans election $175,000 bonds, extending and improving waterworks.

T. H., Hawaii—City and Honolulu Co. plan to sell $1,000,000 bonds, improving waterworks and sewerage system.

BIDS DESIRED

N. Y., Brooklyn—Nov. 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in St. Nicholas and 23rd Aves., Avenue M, Court, Montague, Lorraine, 56th, 61st, 70th, 71st, 84th, 93rd, East 13th, East 87th, and North 15th Sts., here.

N. Y., Brooklyn—Nov. 3, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Battery, Central, Euclid, Narrows, Remsen Sts., etc., here.

N. Y., St. George — Nov. 13, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Augusta, Cheves, Clove, Cromwell, Forest, Glendale, Gridley, Nugent and Oak Sts. etc., here.

N. Y., St. George — Nov. 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Richmond Turnpike, Bay and Canal Sts., St. Pauls and Midland Aves., here.

N. C., China Grove—See "Sewers."

Fla., Holly Hill—Nov. 17, by Bd. Bond Trustees, 72,000 lin.ft. 1½- to 2-in. distribution mains, hydrants, steel tank and tower, etc. N. A. Hotard, New Smyrna, engr. Noted June 18.

Miss., Biloxi—See "Streets and Roads."

O., Cleveland—Nov. 14, by Comrs. Cuyahoga Co., 4,000 ft. 8 in. c.i. mains in Belrose Ave., Impvt. 352. $15,000. F. Williams, Court House.

Tex., Denison — C. E. Haydon, engr., Denison, taking bids 13,180 ft. 66- to 10-in. b.t. pipe, 14 flush tanks, manholes, one 300 g.p.m. dry pit, etc., for City. $6,000. Work will be done by day labor.

Wash., Auburn—Nov. 14, by City, waterworks system, incl. 2 m.g. concrete lined reservoir, ram tank and ram house with three 12 in. hydraulic rams, 2 mi. 24 in. wood or $\frac{3}{16}$ in. steel pipe, 2 mi. 8- to 16-in. wood, steel and c.i. pipe, etc. $150,000. Address City Engineer.

Ore., Bend—Nov. 20, by City, 67,000 lin. ft. 12- to 16-in. steel or wood pipe line for waterworks. $250,000. Alternate bids on wood and steel pipe, all labor and material except pipe, also pipe line complete. Stevens & Koon, Spalding Bldg., Portland, engrs.

BIDS RECEIVED

N. J., Glen Gardner—State Institutions & Agencies, Trenton, B. G. Lewis, comr., c.i. water tower, 10 ft. high, 200,000 gal. capacity, and 2 pumps, at New Jersey Sanitorium for Tuberculosis, here, from Hellings & Barns, 151 East 21st St., New York City, $39,840. Noted Oct. 8.

CONTRACTS AWARDED

Mass., Gardner — Commonwealth of Massachusetts, Boston, about 10,500 lin.ft. 6- to 8-in. c.i. mains at Gardner State Colony, here, to W. P. Bryne, 63 Sharon St., West Medford. Engrs. est. $15,000.

Mass., Nahant — For about 12,000 ft. watermains in various streets, to J. Sheehan, 585 Western Ave., Lynn, $16,500. Noted Aug. 13.

Conn., Wallingford—Concrete tanks for filtration beds, to T. F. Dwyer, 97 Sheffield St., New Haven, $11,020; housing for same, to Immick Co., State St., Meriden, $6,810. Engrs. est. $35,000. Noted Oct. 29.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Battery and Central Aves., also 4th and 5th Aves., here, to Carter Contg. Co., 432 79th St., $22,300 and $16,890 respectively. Noted Oct. 29.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Pell Ave., etc., also 44th, 2nd Aves., etc., here, to Wataga Contg. Co., 308 Lenox Ave., New York City, $63,264 and $27,910 respectively. Noted Oct. 29.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Carpenter and Baychester Aves., to Riverdale Water Wks., 355 East 113th St., $29,946 and $34,733 respectively; in Andrews Ave., to Melrose Constr. Co., 230 East 162nd St., $17,945. Noted Oct. 29.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., watermains, etc., in various streets, to Draganette Constr. Co., 1123 Clinton Ave., $12,494. Noted Oct. 8.

O., Euclid—See "Sewers."

Mich., Detroit—Bd. Water Comrs., 30,727 ft. c.i. mains, incl. 30,450 ft. 24 in. pipe, etc., to J. A. McDace, 1992 Webb Ave, Detroit, $121,234 Noted Oct. 29.

Mich., Detroit — Bd. Water Comrs., to Badger Meter Mfg. Co., 841 30th St., Milwaukee, Wis., ten thousand ⅝ in. meters at $6.40 each, total $64,000, one hundred and fifty 1½ in. meters at $25.90, seventy-five 2 in. meters $38.50 each, and twenty-four 3 in. bronze casing disc. meters at $88; to Worthington Pump & Mchy. Corp., 115 Bway., New York City, twenty-four 3 in. compounds at $130 each.

Ill., Lake Forest — For 15,150 ft. 6- to 10-in. c.i. pipe, 38 gate valves and boxes, 10,560 lb. specials, etc., to J. L. Frye, Lake Forest, $38,650.

Minn., Columbia Heights (Minneapolis P. O.)—Installing c.i. mains in various

Waterworks (Continued)

streets, to Thornton Bros., 318 Endicott Bldg., St. Paul, $17,887.

Minn., Minneapolis — F. S. Gram, city purch. agt., 2 traveling water screens for new filtration plant (now under construction), to Chain Belt Co., 614 Builders Exch., $5,070. Noted Oct. 8.

Tex., Denison—See "Bids Desired."

Okla., Holdenville—For 6 mi. 6- to 14-in. c.i. mains, valves, hydrants, pumping stations, equipment, etc., to T. H. White & Co., 1329 West 19th St., Oklahoma City, $86,123; 2 m.g. storage reservoir, to Park & Moran, 210 South Seminole St., Okmulgee, $28,800. Noted Oct. 1.

B. C., Point Grey—Municipality of Point Grey, 26,000 lin.ft. 4- to 10-in. c.i. pipe, to Leith, Murray & Co. Ltd., 510 Hastings St. W., Vancouver, $21,625.

Sewers

PROPOSED WORK

N. J., Margate—Plans drainage system in Winchester Ave. $25,000. H. N. McConnell, city clk. Engineer not selected.

Tenn., Kingsport—Voted $50,000 bonds, sewers in various streets.

Ill., Red Bud—Making preliminary plans sanitary sewerage system and disposal plant. Bruce & Grupe, 710 Bankers Reserve Life Bldg., Omaha, Neb., engrs.

Wis., Fond du Lac — J. Hohensee, city clk., plans sanitary sewers in Cottage Ave., North Main, Roosevelt, Scott, Dixie, Hickory and East Sibley Sts.; and storm sewers in John, Walker and McWilliams Sts. G. Stanchfield, City Hall, engr.

Mo., Clayton—See "Unclassified."

Mo., Craig—See "Waterworks."

Mo., Senath—Takes bids about Dec. 1, 3.5 mi. 8- to 12-in. vitr. clay sewers in various streets, and Imhoff sewage disposal plant with sludge bed, etc. E. Flad & Co., 1312 Chemical Bldg., St. Louis, engrs. Noted Oct. 8.

Mo., Sikeston—Voted $82,000 bonds, approximately 50,000 ft. 8- to 48-in. sanitary sewers, etc., in various streets. F. L. Wilcox, Chemical Bldg., St. Louis, and L. T. Berthe, Charleston, engrs. Noted Aug. 13.

Ark., Little Rock — See "Streets and Roads."

Tex., Corsicana — Election Nov. 7, $50,000 bonds sewer extensions. J. S. Murchison, Corsicana, mayor.

Tex., La Feria — Voted $30,000 bonds sewer improvements and probably septic tank. Address Mayor.

Tex., Wichita Falls—Election Nov. 10, $300,000 bonds sewage disposal plant. Montgomery & Ward, 1016 City Natl. Bank Bldg., engrs.

Okla., Bethany — Voted $25,000 bonds, new sanitary sewerage system, outfall sewers and disposal plant. H. E. Musson, Grain Exch. Bldg., Oklahoma City, engr. Noted Oct. 8.

Okla., Edmond—Defeated $36,000 bonds, sewerage system and disposal plant. Peckham & James, 227 West Grand St., Oklahoma City, engrs. Noted Aug. 27.

Ore., Klamath Falls — Plans election $200,000 or more bonds for sewage disposal plant.

Calif., Oakland—Made plans 11,946 ft. 8 in. vitr. sewer, etc., in portions Davenport, Fair Aves., etc. W. W. Harmon, city engr.

Ont., Scarboro — Scarboro Twp. plans 3,784 lin.ft. 15- to 36-in. diam. trunk sewer in Blantyre Ave., Courcellette Rd. and Queen St. $57,308. C. E. Fraser, 1361 Kingston Rd., Toronto, engr.

Ont., Toronto — Plans sewage disposal plant, in North Toronto. $1,000,000. R. C. Harris, city engr.

Ont., Toronto—York Twp. soon takes bids 4,500 lin.ft. 8 and 12 in. vitr. tile sewers in Vaughan Rd., Northcliff Blvd., Alameda, Lanark, and Harvee Aves. $25,000. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—York Twp. plans 7,500 lin.ft. 8 in., etc., vitr. tile sewers in Everdeen and Weston Rds. $38,325. F. B. Goedike, 40 Jarvis St., Toronto, engr.

T. H., Hawaii—See "Waterworks."

BIDS DESIRED

N. Y., Long Island City — Nov. 10, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewers in various streets.

Maryland — Nov. 17, Comrs. Baltimore Co., Courthouse, Towson, 27,005 lin.ft. 6 and 8 in. terra cotta sewer, 1,200 lin.ft. 6 in. tile underdrain, etc. in Colgate and Catonsville. A. E. Walden, Courthouse, Towson, ch. engr.

N. C., China Grove — Nov. 10, by Town, City Hall, 7.6 mi. 8 in. sewers and 21,216 ft. 6 and 8 in. c.i. mains, etc. in various streets. J. B. McCrary Eng. Corp., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs.

Fla., Holly Hill—Nov. 17, by Bd. Bond Trustees, 20,400 ft. 10- to 18-in. storm and 6,500 ft. 6 in. sanitary sewers in various streets. N. A. Hotard, New Smyrna, engr. adv. E. N.-R. Oct. 29 and Nov. 5.

Wis., Fond du Lac — Nov. 12, by P. F. Hohensee, city clk., 16,300 ft. 18- to 30-in. rein-con or double strength sewers, etc. in various streets. G. H. Stanchfield, city engr.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, Oct. 28. **(e. e. means engrs. est.)**: from P. J. Dolon Contg. Co., Snyder Ave. and East 56th St. sewer in West 33rd St. 71% e. e. $167,521; from Pic Vac Corp., in Stillwell Ave. 74% e. e. $20,153; from Nazzarro & Guerriero, West 9th St., East 12th St. 73.93% e. e. $8,781; and West 10th St., 69.97% e. e. $3,742; from Manmill Constr. Co., 2035 Douglas St., 62nd St. 82.4% e. e. $4,768, East 57th St. 81.8% e. e. $5,607, and 81st St. 81.8% e. e. $3,810; from S. Ambrosio, 1016 East 60th St., East 9th St. 74.95% e. e. $4,766, and Avenue K 78% e. e. $1,663; from A. W. Matarazzo, 1163 61st St., East 57th St. 74.66% e. e. $4,368; from Tomassetti & Co., Inc., 1133 6th St., 93rd St. 77% e. e. $3,490. Noted Oct. 22.

N. Y., Buffalo—Commissionr Pub. Wks., Municipal Bldg., Oct. 23, rein.-con. drain, 13 x 168 ft. (inside dimensions) in bed of Little Buffalo Creek, and Buffalo River with outlet wall at Buffalo River, from J. Johnson Constr. Co., 765 Abbott Rd., Proposal 1, rein.-con. section carried on wooden pile foundation driven to rock, with outlet wall, $348,000; from F. L. Cohen, Inc., 708 East Ferry St., Proposal 2, rein.-con. section carried on 3 ft. diam. caissons to rock, with outlet wall $332,000. Noted Sept. 24.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Oct. 31, outlet barrel stave sewer, pumping facilities, etc., westerly end 5th Ave. near 10th St., from H. Johnson, Astoria Ave. and East 46th St., Elmhurst, $24,960; combined sewer, etc., in 133rd St., from Greenough Coppinger, Inc., 9301 86th Rd., Woodhaven, $2,056. Noted Oct. 29.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Oct. 27, removing old and constructing new sewer in Courtland St. between point 161 ft. west of 11th St. and point 30 ft. east of 12th St., from Ryan Constr. Co., 735 Real Estate Trust Bldg., $49,740; and Winghocking sewer in Ramona Ave. between Cayuga and I Sts., also in private property to Frankford Creek, from Mazzola Marano, 739 South 7th St. $494,120. Noted Oct. 22.

CONTRACTS AWARDED

Mass., Hyde Park (Boston P. O.)—Dept. Pub. Wks., Boston, sewerage works in Sumner Brook and private land, here, to A. Cefalo, 316 Belgrade Ave., Rosindale, $26,378. Noted Oct. 15.

Mass., Lynn—Comn. on Ways & Drainage, City Hall, 60 in. c.i. outfall sewer in Lynn Harbor, to Merritt-Chapman & Scott, 17 Battery Pl., New York City, $494,950. Engrs. est. $617,550. Noted Sept. 3.

Conn., Hamden (br. New Haven) — For 10,800 lin.ft. storm water drain, to A. DiMarco, Plainville, $40,471. Noted Oct. 22.

N. Y., Brooklyn—Park Bd., Dept. Parks, Arsenal Bldg., Central Park, 5th Ave. and 64th Sts., New York City, E. D. Gallatin, pres., vitr. and c.i. pipe drains, etc., at Atlantic Ocean Terminus of Ocean Parkway, to T. O'Connor Co., Inc., 914 12th St., $22,150.

O., Euclid—Vitr. clay sewers and c.i. watermains in Park Dr. and East Park Ave., to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $30,334.

Wis., Milwaukee — Dept. Pub. Wks., 9 and 10 in. monolithic concrete sewers in Roosevelt Dr. between Sherman Blvd. and Avondal Ave., to H. Hohensee, Ludington Ave., Wauwatosa, $61,245; 8 ft. 6 in. and 7 ft. 6 in. sewer, etc., in Roosevelt Dr. between Avondale and Sheridan Aves., to J. Brogan & Sons, 700 Dousman St., Green Bay, $69,605; 6 ft. monolithic concrete storm and 8 and 12 in. vitr. sanitary sewers in Sheridan Blvd. between Burleigh St. and Sherman Blvd., to Clayton Constr. Co., 929 Hacket Ave. $65,704; storm and sanitary sewers in State St., to G. E. Zimmermann, 3402 Grand Ave., $473. Grand total $197,027.

Tex., Archer City — Complete sewerage system, to Douglas & Mitchell, Wichita Falls, $24,326. Engrs. est. $28,000.

Tex., Houston—Storm sewers in 6th St. from Usener Blvd. to Yale St., to Houston Constr. Co., 210 Standard Lithograph Bldg., $28,515. Noted Oct. 15.

Calif., Pismo—Pismo Sanitary Dist., vitr. lateral sewerage system, to Drainage Constr. Co., Box 345, Santa Ana, $38,590.

Waste Disposal

PROPOSED WORK

Ont., Hamilton — Plans new garbage incinerator, incl. furnaces, building, etc. $80,000. W. L. McFaul, City Hall, engr.

CONTRACTS AWARDED

Mich., Iron Mountain—H. C. Lindholm, city clk., remodeling garbage incinerator, etc., to Jones Odorless Garbage Crematory Co., Syndicate Trust Bldg., St. Louis, Mo., $16,507. Noted Oct. 1.

Bridges

PROPOSED WORK

W. Va., Charleston—H. C. Walker, city mgr., rejected bids for superstructure 3 span 390 ft. steel bridge over Elk River, here. $66,800. H. L. Campbell, 1550 Lewis St., Charleston, engr. Noted Sept. 10.

Mississippi — State Hy. Dept., Jackson, making estimates ¼ mi. bridge over Pascagoula River at Pascagoula, $200,000; and ⅜ mi. bridge over Escatawpa River, at Moss Point, Jackson Co., $150,000, both in Jackson Co. H. C. Deitzer, Jackson, engr. Noted Sept. 10.

Kan., Coffeyville — Montgomery Co. (Independence) soon takes bids one 122 ft. and two 82 ft. marsh arch span bridge, with 20 ft. roadway, here. Kansas Eng. Co., 1233 Western St., Topeka, and H. K. Hibbard, Independence, engrs.

Kan., Paola—Miami Co. soon takes bids one 40 ft. and one 120 ft. rein.-con. bridges, also 1 subway, on Federal Aid Project 293-E. Kansas Eng. Co., 1233 Western St., Topeka, and F. Gardner, Paola, engrs.

Kan., Topeka—Election Nov. 24, $70,000 bonds, for Bonner Street Viaduct; $162,000 bonds, viaduct at 6th St.; $337,000 bonds, viaduct at 10th St.; $90,000 bonds, for Mellon Bridge, and $500,000 bonds for for bridge over Topeka Ave. E. M. Covell, city clk.

Neb., Niobrara—State Hy. Dept., Lincoln, making plans new seven 100 ft. low riveted truss bridge, 18 ft. roadway, etc. over Niobrara River (on old site), here. R. L. Cochran, Lincoln, highway engr. Noted Sept. 17.

Tex., Anderson—See "Streets and Roads."

Tex., Austin—See "Streets and Roads."

Tex., Batesville — See "Streets and Roads."

Okla., Chandler — Plans election $25,000 bonds for viaduct. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Calif., Los Angeles—Bd. Pub. Wks. soon takes bids 1,580 ft. rein.-con. and steel viaduct on 7th St., 1,628,000 lb. reinforcing, 57,558 ft. bituminous paving, 42,840 ft. bituminous paving on fills, etc. M. Butler, city bridge engr.

Ont., Toronto—Plans 400-600 ft. concrete and steel bridge over Humber River, at Dundas St. $400,000. R. C. Harris, City Hall, engr.

Ont., Toronto — East York and Scarboro Twps. plan 35 ft. concrete bridge and 10 ft. culvert, in connection with Victoria Park Ave. $41,000. C. E. Fraser, 1361 Kingston Rd., Toronto, engr. Scarboro Twp. G. R. Jack, 443 Sammon Ave., engr. East York Twp.

BIDS DESIRED

Georgia—Nov. 12, by State Hy. Dept., East Point, bridge over Satilla River, Federal Aid Project 432-B, 18,500 lb. reinforcing, 100,300 ft. treated timber, etc., and 4 timber bridges on Federal Aid Project 432-B, 73,970 ft. treated and 2,970 ft. untreated timber, etc., all above in Camden Co. H. J. Friedman, Savannah, engr.

Fla., Palatka — Nov. 24, at office Bond Trustees for Special Road & Bridge Dist. 7, Putnam Co., rein.-con. bridge, steel lift span, and earth filled causeway for Putnam Co. Memorial Bridge, about 4,200 ft. long, across St. Johns River. J. W. Hart, secy.; adv. E. N.-R. Oct. 29 and Nov. 5.

Wis., Milwaukee—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., taking bids approximately 800 or 900 ft. steel viaduct on Clybourn St. R. Pinkley, c/o owner, engr. Noted Dec. 18, 1924.

BIDS RECEIVED

South Carolina—State Hy. Dept., Columbia, concrete substructure bridge over Catawba River, Chester-Lancaster Counties, from Small & Triplett, Lancaster $98,400, superstructure for same, from J. S. Bowers, Whiteville, N. C., $35,600; treated timber bridge over South Edisto River, Barnwell-Orangeburg Counties, from J. A. Peterson, Montgomery, Ala., $28,868. Noted Oct. 1.

O., Cincinnati—Director Pub. Serv., 170 ft. concrete and steel bridge, on Mitchell

Bridges (Continued)

Ave., from Foley Constr. Co., 3209 Boudinot St., $114,075. Engrs. est. $136,000. Noted Sept. 17.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, Oct. 23, from Chernus Constr. Co., Minneapolis, Minn., two 40 ft. span concrete girder bridge on Route 23, Sect. 26-B, DeKalb Co. $9,973, one 30 ft. one 35 ft. and one 50 ft. concrete girders, substructure for 170 ft. steel span, and eleven 50 ft. concrete girder approach spans, Route 8, Sects. 42 and 44-B, Knox Co. $97,869, and three 60 ft. span concrete bridge on Route 40, Sect. 8-B, Whiteside Co. $23,737; from R. Mann, Rockford, three 35 ft. span concrete girder bridge, Route 42, Sect. 112-B, Cook and Lake Counties $24,175; from W. H. Shons, 11 South Liberty St., Freeport, substructure for 140 ft. steel span and two 55 ft. concrete girder approach spans, Route 1, Sect. 42-B, Saline Co. $21,548, and five 65 ft. span concrete girder bridge on Route 5, Sect. 15-B, Winnebago Co. $59,250; from St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., superstructure for 140 ft. steel bridge on Route 1, Sect. 42-C, Saline Co., 147,050 lbs. steel, $10,551; from Parham Constr. Co., East St. Louis, one 80 ft. steel span and eight 40 ft. I-beam approach spans, Route 4, Sect. 23-B, Logan Co., 306,630 lbs. steel, $46,842, one 80 ft. and one 200 ft. substructures for steel span, and one 40 ft. span concrete girder approach bridge on Route 13, Sect. 12-E, Jackson Co., $25,698; from H. O. Newlin, West York, one 16 ft. and one 20 ft. concrete slab bridge, also one 40 ft. and two 50 ft. span concrete girder bridges, Route 9, Sect. 8-B, Tazewell Co., $28,528; from R. McCalman, Inc., Danville, one 18 ft. and one 30 ft. span concrete slab extension, and one 30 ft. span girder bridge, Route 9, Sect. 47-B, Ford and Vermilion Counties $7,076; from Vincennes Bridge Co., Vincennes, Ind., superstructure for 170 ft. steel span bridge, Route 8, Sect. 44-C Knox Co., 222,650 lb. steel, $16,112; from Illinois Steel Bridge Co., Jacksonville, one 80 ft. and one 200 ft. superstructure for steel span bridge, Route 13, Sect. 12-C, Jackson Co., 340,777 lb. steel, $23,665; from Dees Bros., Oblong, six 40 ft. span concrete girder bridges, Route 14, Sect. 11-B, White Co., $22,248; from O. Stewart, Box 826, Urbana, one 30 ft. span concrete girder bridge, Route 39, Sect. 1-B, McLean Co., $4,716. Noted Oct. 15.

Tex., Houston—City and Harris Co., 1 single bascule steel lift span bridge across Houston Ship Channel, near 69th St., from Kansas City Bridge Co., 510 Orear-Leslie Bldg., $322,000. Engrs. est. $350,000. Noted Oct. 1.

CONTRACTS AWARDED

W. Va., Charleston—H. C. Walker, city mgr., concrete substructure for 3 span, 390 ft. bridge across Elk River, to G. T. Fogle, Charleston, $34,734. Noted Sept. 10.

Fla., Punta Gorda — See "Streets and Roads."

Tenn., Knoxville — Louisville & Nashville R.R. Co., 9th St. and Bway., Louisville, W. H. Courtenay, ch. engr., 550 ft. bridge over Tennessee River, here, to Gould Contg. Co., Independent Bldg., Nashville, approximately $212,000.

O., Akron—W. F. Peters, dir. Pub. Serv., temporary steel and timber viaduct over East Exchange St. railroad crossing, to Stevens Constr. Co., 414 The Arcade, $45,000. Engrs. est. $48,600. Noted Oct. 8.

O., Cincinnati—See "Streets and Roads."

Kansas—Bd. Comrs. Lyon Co. (Emporia), two 140 ft. concrete through arch spans on Lyon and Coffee Co. line, near Hartford, incl. 72,380 lb. structural steel, 62,676 lb. steel bars, etc., to C. A. Clark, Route 9, Wichita, $37,296. Noted Sept. 11.

Ark., Osceola—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Tex., Austin—See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., Palestine—See "Streets and Roads."

Calif., El Portal — State Hy. Comn., Sacramento, rein.-con. girder bridge over Merced River, ½ mi. west of here, Mariposa Co., to O. Parlier, Tulare, $32,795. Engrs. est. $41,075. Noted Oct. 8.

Dams

PROPOSED WORK

Kan., Topeka—Election Nov. 24, $37,500 bonds for Biddle Creek Dam and Control. E. M. Covell, city clk.

Tex., Kerrville—Making preliminary surveys 20 ft. rein.-con. dam, 35 ft. high, foot Earl Garrett St., on Guadalupe River, etc. $30,000 or more. Private plans.

Railways

PROPOSED WORK

New Jersey—Lehigh Valley R.R. Co., 143 Liberty St., New York City, G. T. Hand, ch. engr., and East Jersey R.R. & Terminal Co., 11 Bway., New York City, E. H. Shelley, pres. and genl. mgr., plan 0.3 mi. line in Bayonne.

Oklahoma—Oklahoma & Rich Mountain R.R. Co., J. E. Kirkpatrick, council and solicitor, 700 Gates Bldg., Kansas City, Mo., plans 35 mi. line from Page to Talihina, in Le Flore Co. for serving agriculture and timber lands, here.

BIDS DESIRED

Wisconsin—See "Contracts Awarded."

CONTRACTS AWARDED

Wisconsin — Wisconsin Electric Ry. & Light Co., Pub. Serv. Bldg., South Bway., grading for track work for new street car line cut-off from 35th St. to point ½ mi. west of West Allis, to C. F. Wusson, 1065 39th St. and A. B. Lynch, 1502 Cedar St., Milwaukee; structural steel for 9 overhead crossings, to Roberts Bros., 130 North Wells St., Chicago, Ill.; concrete substructures for same, to Roberts Bros., 130 North Wells St.; tracks to be placed by owners. Noted Mar. 19.

Idaho—Northern Pacific R.R. Co., Railway Bldg., St. Paul, Minn., 41 mi. railway extension between Orofino and Headquarters, here, to Twohy Bros., Sharon Bldg., San Francisco, Calif. Est. cost $3,500,000 or more.

Ontario — Hydro-Electric Power Comn., 190 University Ave., Toronto, rearranging and extending street railway in Windsor, to McArthur Constr. Co., Guelph; to Ryan Constr. Co., 109 Ottawa St., Walkerville, and to Caldwell Sand & Gravel Co., 228 Sandwich St. W., Windsor. $750,000. Noted Aug. 13.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Miss., Pascagoula—City and Jackson Co. plan 2 mi. rubble stone and concrete sea wall along shore. $2,000,000. Harkness & Lockyer, Hewes Bldg., Gulfport, engrs. Noted Aug. 27.

BIDS DESIRED

N. Y., New York — Nov. 12, by M. Cosgrove, comr. Docks, Pier "A," ft. Battery Pl., dredging at Pier 84, North River, Contr. 1866.

Fla., Stuart—Dec. 8, by Bd. Comrs. St. Lucie Inlet Dist., dredging and constructing jetties. J. M. Braxton, 319 St. James Bldg., Jacksonville, ch. engr.; adv. E. N.-R. Nov. 5.

Ill., Muryhysboro—Nov. 9, by Comrs. Big Lake Special D. D., Jackson Co., 470,000 cu.yd. excav. for reconstruction work. T. G. Dunn, Gorham, engr.

Mo., Tarkio—Nov. 17, by H. T. Speer, clk. Atchison Co. (Rockport), straightening West Little Tarkio Creek and Long Branch Channels, 9 lateral ditches, etc., approximately 366,425 cu.yd. in all. B. B. Hurst, Rockport, engr.

Ark., Osceola — Nov. 19, by Bd. Comrs. Sub. Dist. 3, Grassy Lake and Tyronza D. D. 9, Mississippi Co., drainage and flood protection work, incl. 12,000,000 cu.yd. excav., 80 mi. outlet channels, 23 mi. channel clearing, 90 mi. cleaning out and redigging, 20 mi. new laterals, etc. Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs. Noted Sept. 3.

Ark., Osceola—Nov. 20, by Bd. Comrs. Sub-Dist. 1, Carson Lake D. D. 8, Mississippi Co., drainage and flood protection, incl. 3,000,000 cu.yd. excav., 75 mi. outlet channels, 41 mi. cleaning out and redigging, 27 mi. new laterals, etc. Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs. Noted Nov. 5.

Calif., Tracy—Nov. 17, by Trustees West Side Irrigation Dist., San Joaquin Co., for drainage canal, 52,000 cu.yd. excav. W. D. Harrington, Tracy, engr.

BIDS RECEIVED

N. Y., New York — M. Cosgrove, comr. Docks, Pier "A" foot of Battery Pl., Oct. 27, concrete granite faced sea wall along Hudson River southerly of West 129th St., Contr. 1863, from S. Nugent, 285 West 150th St., $88,853. Noted Oct. 22.

CONTRACTS AWARDED

La., New Orleans — New Orleans Levee Bd., New Courthouse, Bldg., (1st unit) sea wall project from southern shore Lake Pontchartrain from West End to Seabrook, incl. 12,000,000 cu.yd. earthwork, to Reynolds Dredging Co., Maison Blanche Bldg., $1,680,000. Noted Oct. 22.

Wash., Selah—For lining 3,000 ft. canal and 1 mi. wood stave flume in Naches-Selah Irrigation Canal, to Campbell Constr. Co., Sunnyside, approximately $50,000.

Streets and Roads

PROPOSED WORK

Mass., Boston—Dept. Pub. Wks., rejected bids Oct. 21, granite block paving Cornhill St. and Harrison Ave. $25,000. J. A. Rourke, comr. Noted Oct. 15.

Mass., Dorchester (Boston P. O.) — Street Layingout Dept., Boston, plans constructing Hillside St. and Wales Pl. as highway, here. $25,000. J. F. Sullivan, secy.

North Carolina — State Hy. Dept., Raleigh, making plans clearing, grubbing, grading, etc. 8.4 mi. Project 506, Rockingham Co., $50,000; 7 mi. Project 586, Randolph Co., $42,000; 7 mi. Project 531, Guilford Co., $40,000; 5 mi. Project 520, Davidson Co., $30,000; 4.5 mi. Project 346, $30,000 and 9.5 mi. Project 348, $65,000, both Cumberland Co.; 11 mi. Project 398, Robeson Co., $75,000. C. M. Upham, highway engr.

Miss., Grenada—Grenada Co. soon takes bids grading and 8 in. gravel surfacing, etc. 20 mi. Grenada-Calhoun Co. line Rd., 24 ft. $250,000. H. C. Dietzer, Jackson, engr.

La., Gretna—Police Jury, Jefferson Parish, making revised plans and soon takes new bids grading and hardsurfacing 3.66 mi. Metairie Ridge-Shremsbury Rd. Former contract rescinded. F. T. Payne, engr.

Tenn., Knoxville — Plans paving various streets in 26 districts. $300,000. L. Brownlow, city mgr. Noted July 2.

Mich., Detroit—Plans berea or concrete curbing, and 3½ in. sheet asphalt on 8 in. concrete paving approximately 5,825 sq.yd. Westpointe Ave. from Wyoming to Birwood Aves. $20,610; 2,630 sq.yd. Griggs Ave. from Cramer to Westpointe Aves., $11,560; 13,200 sq.yd. Maryland Ave. from Mack to Warren Aves., $58,130; and 3,860 sq.yd. Corbin Ave. from Fort to Empire Sts., $17,010, all foregoing 30 ft.; 1,085 sq.yd. Lanco Ave. from Annapolis to Westpointe Aves. $4,770, and 7,500 sq.yd. Gallagher St. from Davison to Jerome Aves., $32,970, both 28 ft. P. A. Fellows, City Hall, engr.

Kan., Atchison—Atchison Co. soon takes bids grading, etc. 10 mi. Catholic Cemetery Rd., near here. Kansas Eng. Co., 1233 Western St., Topeka, and R. D. Coleman, Atchison, engrs.

Kan., Belleville — Republic Co. plans grading, etc. Federal Aid Project 272-A, 28 ft., and grading, concrete or brick surfacing 1.378 mi. Federal Aid Project 272-C, 18 ft. J. O. Gunnels, Belleville, co. engr.

Kan., Kansas City—Wyandotte Co. plans grading and concrete or rock asphalt on concrete surfacing 6.968 mi. Federal Aid Project 321-A and B, 18 ft. O. K. Williamson, Kansas City, co. engr.

Kan., Olathe—Johnson Co. soon takes bids grading and brick or concrete surfacing 6.577 mi. Federal Aid Project 246-C, 18 ft. E. J. Terrill, Olathe, co. engr. H. T. Caywood, 528 Brotherhood Blk., Kansas City, consult. engr. Noted Sept. 10.

N. D., Fargo—Plans paving ¾ mi. 13th St. N. $25,000. R. T. Jacobson, city engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans grading, curbing, and Warrenite bitulithic, amiesite or asphalt paving, etc., 11th St. between Cass and Brooklyn Sts. $22,700-$22,850; brick, Warrenite or amiesite paving, etc., 11th St. between Brooklyn and North Market Sts., $31,000-$37,600, 11th St. between Hebert and Branch Sts. $13,420-$16,500; Warrenite amiesite or asphalt paving, etc., 11th St. between North Market and Hebert Sts. $27,900-$28,200, Wyoming St. between Gravois and Louisiana Sts. $14,000-$14,100; concrete or Warrenite paving, etc., Art Hill Pl. between Berthold and Oakland Sts. $9,600-$9,900; concrete or asphaltic concrete paving, etc., Nicholson Pl. between Lafayette St. and Patnes south addition $11,800-$12,600, Bischoff Ave. between Macklind and Sublette Sts. $18,850-$22,350, 37th St. between Bates and Eichelberger Sts. $11,600-$12,100, Wander Ave. between Kingshighway southwest and Alma Sts. $12,700-$13,500; and brick, concrete or asphalt paving, etc., Winnebago St. between Giles and Spring Sts. $14,000-$14,100, 38th

Streets and Roads (Continued)

St. between Meramec and Bingham Sts. $8,000-$8,900. W. W. Horner, 300 City Hall, engr.

Ark., Conway—Soon takes bids grading, curbing and probably concrete surfacing, 41,000 sq.yd. various streets in Paving Dist. 12. Parks Eng. Co., Citizens Bank Bldg., Pine Bluff, engrs. Noted Aug. 6.

Ark., Little Rock—Soon takes bids grading, sewers, curbing, guttering and sheet asphalt, Warrenite, brick or 7 in. rein.-con. on concrete surfacing 27,000 sq.yd. Paving Dist. 419. $160,000. G. D. Douglass, Southern Trust Bldg., engr.

Tex., Anderson — Grimes Co. making plans and soon takes bids grading and bridging, etc., 5.09 mi. State Highway 90, State Aid Project 610, 26 ft. $37,000. O. A. Seward, Jr., Navasota, co. engr.

Tex., Austin—Travis Co. making plans grading and bridging, etc., 5.35 mi. State Highway 29, Jollyville Rd. $34,000. J. E. Motheral, Austin, engr.

Tex., Batesville — Zavalla Co. making plans grading and bridging, etc., 13.8 mi. State Highway 55, La Pryor to Uvalde Co. line, 16 ft. $125,000. W. F. Hutson, Kampmann Bldg., San Antonio, engr.

Tex., Corsicana—Election Nov. 7, $75,000 bonds, paving various streets. Address J. S. Murchison, Corsicana, mayor.

Tex., Cuero — De Witt Co. voted $90,000 bonds hardsurfacing 10 mi. Highway 8. S. Kulawik, Cuero, co. judge. Noted Oct. 1.

Tex., Decatur — Wise Co. making plans grading, bridging and crushed stone surfacing 0.38 mi. State Highway 39, across Sandy Creek Bottoms, 18 ft. $37,000. H. R. Smith, Decatur, co. engr.

Tex., Smithville—Bastrop Co., defeated $25,000 bonds improving 5 mi. Giddings-Waelder Rd., Smithville Precinct. Noted Aug. 20.

Tex., Goliad — Goliad Co. election soon $150,000 bonds improving 9 mi. highway in Charco Dist.; $250,000 bonds 11 mi. highway in Goliad Dist.; and $100,000 bonds about 7 mi. highway in Weesatche. Address Company Engineer.

Tex., Gonzales — Gonzales Co. making plans bituminous topping 28 mi. State Highway 3, 16 ft. $130,000. J. G. Irby, Gonzales, resident engr.

Tex., Karnes City — Karnes Co. voted $100,000 bonds, hardsurfacing 7½ mi. Highway in Runge Dist. O. N. Powell, Karnes City, co. engr.

Tex., Laredo — Webb Co. making plans bituminous macadam surfacing 31 mi. Highway 12-A from Laredo to Oilton, 18 ft. $275,000. T. E. Huffman, Laredo, engr.

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans grading, etc. 7 mi. Postal Highway 5, 30 ft., Beckham Co. $45,000. J. M. Page, highway engr.

Okla., Hobart — Rejected bids Oct. 13, grading, curbing and fibre brick on concrete surfacing 59,700 sq.yd. 15th St., etc. Dist. 3. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 1.

Wash., Bellingham—Making plans concrete paving 7,500 sq.yd. North St. W. B. Short, city engr.

Wash., Bellingham—Whatcom Co. making plans constructing trestle on Guide Meridian Rd. to exceed 4,000 ft. serving as bridge approach, also 1,200 ft. grading. $62,500. F. W. McElmon, co. engr.

Wash., Seattle—King Co. making plans and takes bids in November grading 97,000 cu.yd. Kent-Des Moines Highway. $50,000.

Calif., Monterey Park (br. Los Angeles) —Made plans improving portions Hellman Ave., 105,000 sq.ft. concrete paving, 5,012 ft. curbing, 12,170 sq.ft. sidewalks, etc. O. A. Stone, city engr.

Calif., Oakland—Making plans extending and improving Madison St. between Lake St. and Lakeside Dr., $50,000; and 19th St. between Jackson St. and Lakeside Dr., $35,000. W. W. Harmon, city engr.

Calif., San Diego—Common Council plans improving Cedar St., etc., 134,627 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous paving, 194 lin.ft. concrete curbing, and 686 sq.ft. concrete sidewalk. F. A. Rhodes, city engr.

Ont., Toronto—York Twp. plans concrete curbing, brick block guttering and paving 3,700 ft. Eglington Ave. from Dufferin to Gilbert Sts., $87,115; concrete sidewalks on 3,400 ft. Blackthorn Ave. $7,295, and 1,650 ft. Eglington and Guestholme Aves. $3,418; also grading Richardson Ave., $2,950. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto — Plans grading, widening, and brick paving Park Rd., $7,774; bituminous concrete paving Hudson Ave. $13,827, and Harper Ave. $14,259; concrete paving lane west of Campbell Ave. $4,756, and lane west of Bay St., $3,564; bitulithic paving Rosedale Heights Dr. $18,254, Maughan Crescent, $19,182, and Victoria Park Ave., $77,393; asphalt paving Evelyn Ave. $8,951, Lambert Ave. $6,287, Steiner Ave. $6,584, Allen Ave. $6,228, Argyle Ave. $5,996, Millstone Lane $3,309, Tracy St. $6,279, Turnberry Ave. $15,616, Welland Ave. $15,738, Keele St. $4,613, Edgewood Grove $7,229, Sword St. $6,314, River St. $5,634, Sparkhall Ave. $9,538, Weston Rd. S. $34,788, Markham St., $28,659, and Brunswick Ave. $34,100. R. C. Harris, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Nov. 12, by Park Bd., F. D. Gallatin pres., Arsenal Bldg., Central Park, New York City, grading section Shore Rd. Improvement between 69th and 79th Sts., here.

N. Y., New York—Nov. 12, by J. Miller, pres. Manhattan Boro, Municipal Bldg. grading and asphalt block on concrete repaving 103rd St. from Lexington to Madison Aves.

N. Y., St. George — Nov. 12, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous asphalt repaving Bay and Jersey Sts.; and granite block repaving Van Duzer St.

Georgia — Nov. 12, by State Hy. Dept., East Point, **(F. A. P. means Federal Aid Project)**, grading, etc. 12.85 mi. Brunswick-Jacksonville Rd., F. A. P. 432-B, Camden Co., 134.959 acres clearing and grubbing, 204,380 cu.yd. excav., 40,000 sq.yd. grassing slopes, 30,142 lb. reinforcing, etc., H. J. Friedman, Savannah, engr., 15.7 mi. Clarksville-Franklin Rd., F. A. P. 425, Rabun Co., Contr. 1, 26.068 acres clearing and grubbing, 95,946 cu.yd. excav., 44,945 sta.yd. overhaul, etc., Contr. 2, 9.83 acres clearing and grubbing, 52,208 cu.yd. excav., 18,804 sta.yd. overhaul, etc., Contr. 3, 4,339 acres clearing and grubbing, 69,594 cu.yd. excav., 61,951 sta.yd. overhaul, etc., E. N. Parker, Gainesville, engr.; double surface treating 100,386 sq.yd. Albany-Sylvester Rd., F.A.P. 249, Dougherty Co., E. J. Smith, Thomasville, engr.; sheet asphalt surfacing 105,338 sq.yd. Brunswick-Broadfield Rd., F.A.P. 261, Glynn Co., W. R. Neil, highway engr.

Ga., Valdosta — Nov. 9, by City Clerk, curbing, guttering, grading, brick, concrete or asphalt surfacing 150,000 sq.yd. various streets. W. H. Gainey, Valdosta, city engr.

Ga., Waycross—Nov. 17, by W. E. Lee, city clk., vitr. brick, concrete, vibrolithic concrete, asphalt, Willite, Warrenite, asphaltic concrete, asphalt or asphalt block paving 98,000 sq.yd. also granite or concrete curbing 36,000 ft. various streets, A. Cook, city mgr. and engr Noted Oct. 15.

Fla., Holly Hill—Nov. 17, by Bd. Bond Trustees, brick, concrete or bituminous paving approximately 60,000 sq.yds. various streets. N. A. Hotard, New Smyrna, engr. Noted Sept. 3.

Fla., Inverness — Nov. 10, by Comrs. Citrus Co., grading and paving approximately 74,000 sq.yds. various streets. E. V. Camp and associates, 1 North Maryland St., Atlanta, Ga. engrs.

Miss., Biloxi—Nov. 15, by Riviera Development Co., Biloxi, and J. W. Billingsley, engr., Interstate Bank Bldg., New Orleans, La., grading, curbing, guttering, waterworks, street lighting system, and paving various streets and sidewalks in Bay Terrace Subdivision. $150,000. Noted Oct. 29.

Miss., Yazoo City — Nov. 9, by E. G. Olden, city clk., City Hall, scarifying, shaping, curbing and Kentucky Rock asphalt and gravel surfacing 12,100 sq.yd. North, Canal, 3rd, Grand and Calhoun Sts. Noted Oct. 15.

Ill., Bellewood—Nov. 10, by Village Board Room, grading, curbing and paving Bellwood Ave. from Madison St., to Miami Rd. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Minn., Duluth—Dec. 4, by F. W. Borgen, aud. St. Louis Co., Court House, improving Miller Trunk Rd. connection with Duluth between Trinity Rd. and 9th St., 2.25 mi. new crushed rock road, 27 ft., and one course concrete paving 0.75 mi. road, 36 ft. $340,000. R. W. Acton, St. Louis Co. Engineers Office, engr.

Kan., Salina—Nov. 16, by Clerk Saline Co., grading, etc., 5.023 mi. Sect. A, and 2.416 mi. Sect. B, Federal Aid Project 296, 30 ft. W. H. Cost, Salina, co. engr. Noted Oct. 29.

Calif., Inglewood—City Council taking bids grading, curbing, sidewalks, and 6 in. concrete paving 125,175 sq.ft. Arbor Vitae St. W. Pfeffer, city engr. Noted Oct. 8.

Calif., San Diego — Nov. 16, by A. H. Wright, city clk., curbing, sidewalks, and 1½ in. asphaltic concrete on 4 in. concrete paving 108,259 sq.ft. Mississippi St.; also grading, curbing, sidewalks and 61,981 sq.ft. 5 in. and 17,600 sq.ft. 4 in. concrete paving Eagle, Torrence Sts., etc. F. A. Rhodes, city engr Noted Oct 8.

BIDS RECEIVED

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, Oct. 28, from G. M. Mandatto, 129 26th St., grading, curbing and flagging Bay 50th St. $9,857, 21st St. $2,450, 67th St. $2,750, 74th St. $2,953, from Grimm Contg. Co., 170 McKinley St., Empire Blvd. $679, 72nd St. $4,033; from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Brooklyn Ave. $12,652, Cortelyou Rd. $5,046, from Sicilian Asphalt Co., 41 Park Row, New York City, North 15th St. $2,326, from Cranford Co., 52 9th St., 21st Ave. $8,278, 67th St. $6,903, and 74th St. $6,475, from M. J. O'Hara, 1228 Park Ave., New York City, 77th St. $2,552; from F. C. Kohart, grading Essex St., $8,024; and from Uvalde Asphalt Co., 1 Bway., New York City, curbing, flagging and paving 16th Ave., $3,757. Noted Oct. 22.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Oct. 27, from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, grading, curbing, sidewalks and sheet asphalt surfacing Barclay St. $21,527, and laying sidewalks and paving Mymand Pl. $22,358; from Highway Impvt. & Repair Co., 50 Church St., New York City, grading, curbing, sidewalks and sheet asphalt surfacing Fosdick St. $16,273, sheet asphalt paving Harold Ave. $15,116, Haaspel St. $31,280, 104th St. $26,833, and 114th St. $15,645, from H. E. Kordes Co., 2577 Cooper St., Brooklyn, grading Harkow St. $724, and sidewalks, etc., on Hughes St. $2,113; from Sicilian Asphalt Paving Co., 41 Park Row, New York City, grading, curbing, sidewalks and sheet asphalt paving Slocom St. $5,943, from Uvalde Asphalt Paving Co., 1 Bway., New York City, 130th St. $15,460, from Kennedy & Smith, 93 Amity St., Flushing, Haspel Ave. $11,926; from O'Brien & Kurth, 8625 13th St., Jamaica, grading, curbing, sidewalks, etc., on 114th St. $9,837, and 104th St. $16,452; from W. H. Gahagan Realty Co., 147 Remsen St., Brooklyn, constructing public beach along ocean front $110,404. Noted Oct. 22.

Maryland — State Roads Comn., Baltimore, Oct. 20, concrete paving 3.5 mi. road from Cresaptown towards McCool, Contr. A-40, Allegany Co., from Tri-State Eng. Co., Liberty Trust Bldg., Cumberland, $98,417. Noted Oct. 15.

South Carolina—State Hy. Dept., Columbia, grading, topsoiling, etc. 4.6 mi. State Route 5, Ft. Lawn Rock Rd., Chester Co., from Nichols Contg. Co., 1 LaFrance St., Atlanta, Ga. $20,607, 7.3 mi. State Route 71, Abbeville-Lowndesville Rd., Abbeville Co., from J. C. Moffatt, McCormick, $33,552; sand clay surfacing, etc. 11.1 mi. Old State Rd., Calhoun Co., from J. L. Carroll, 1011 Barnwell St., Columbia, $33,168, also 7.2 mi. same road from T. E. Hook, New Brookland $24,890, 11.7 mi. Manning-Elloree Rd., Clarendon Co., from W. B. Boyle, Sumter, $47,098; approaches to 6 bridges over South Edisto River, Orangeburg and Barnwell Counties, from C. R. Willard & Son, Spartanburg, $24,573. Noted Oct. 15.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, Oct. 23, from A. J. Parrish, Paris, concrete surfacing 1.82 mi. Route 1, Sect. 49, Edgar Co., $13,501 with ½% for personal bond, from A. Ward & Sons, Oak Glen, paving subway on Route 1, Sect. 161-S, Cook Co. $5,458, from S. and H. Constr. Co., 92 Mason St., Milwaukee, Wis., 10.73 mi. Route 2, Sect. 77, Winnebago Co. $156,747, from Ransom & Sherwood, Palestine, 6.53 mi. Route 14, Sect. 10, White and Hamilton Counties $123,575, from F. F. Lee Paving Co., Dubuque, Ia., 7.11 mi. Route 5, Sect. 30-X $54,593, and 3.07 mi. Route 5, Sect. 31-X, $80,734, both JoDavies Co., from W. C. Johnson, Belleville, 1.78 mi. Route 16, Sect. 25, Macoupin Co. $35,769, from G. C. Fairclo, Champaign, 0.1 mi. Route 23, Sect. 26-D, DeKalb Co. $3,114, from Hartman Clark Bros. Co., Dwight, 0.23 mi. Route 23, Sect. 26-E, DeKalb Co. $4,476, and 2.73 mi. Route 30, Sect. 10, Stark Co. $47,751, from C. E. Carson Co., 601 St. Clair St., Chicago, 4.09 mi. Route 27, Sect. 16, Carroll Co. $94,531, 1% for personal bond, from L. H. Harshmann, Sullivan, Route 32, Sect. 2-X, Moultrie Co. $1,294, from Mautz & Oren, Effingham, 5.18 mi. Route 33, Sect. 4, Crawford and Jasper Counties $82,315, from G. Welch, Beloit, Wis., 0.57 mi. Route 42, Sect. 112-X, Cook and Lake Counties $36,303, and 0.05 mi. Route 42, Sect. 113-X, Lake Co., $1,202; from H. H. Hall, Murphy Bldg., East St. Louis, grading 27,917 cu.yd. Route 2, Sect. 3-V-1, Jackson Co. $7,848, 1% for personal bond, from I. D. Lain, Bloomington, 89,167 cu.yd.

Streets and Roads (Continued)

Route 9, Sect. 8-A, Tazewell Co. $50,384, from Stevens Bros., St. Paul, Minn., 32,430 cu.yd. Route 40, Sect. 8-A, Whiteside Co. $14,372, from Dees Bros., Ablong, 137,088 cu.yd. Route 14, Sects. 11-A and 12-A, White Co. $58,246. Noted Oct. 15.

Wis., Milwaukee—Dept. Pub. Wks., Oct. 23, asphalt resurfacing Erie St. between railroad tracks and incinerator plant, from Badger Constr. Co., 97 Wisconsin St., $4,760; and National Ave. between 11th and 18th Aves., from White Constr. Co., 86 Wisconsin St., $28,280.

Colorado—State Hy. Dept., Denver, Oct. 22, grading, etc. 20.62 mi. extension west from Ft. Morgan, Federal Aid 287-A, Morgan and Weld Counties, from H. C. Lallier Constr. Co., Hudson, $101,818. Noted Oct. 15.

California — State Hy. Comn., Sacramento, Oct. 19, grading and crushed gravel or stone surfacing 1.9 mi. road between Arrowhead Blvd. and Blythe, Riverside Co., from Pioneer Transfer Co., Calexico, $26,525. Noted Oct. 8.

Calif., Los Angeles — City (**e. e. means engrs. est.**) grading, guttering, sidewalk and 2 in. sheet asphalt on 7 in. concrete paving 307 sq.yd. Linden St., from Los Angeles Paving Co., 2900 Santa Fe Ave., $4,780 e. e. $5,563; grading, curbing and 8 in. concrete paving 242,000 sq.ft. Exposition Blvd., from Spencer & Holt, 419 Court St., $88,411 e. e. $88,411; grading, curbing, sidewalk and 6 in. concrete paving 65,131 sq.ft. Fairfax Ave., from G. H. Oswald, 366 East 58th St., $18,241 e. e. $19,242; and grading, curbing, and 5 in. concrete paving 17,776 sq.yd. Rutherford Dr., from E. M. LeBaron, $7,993 e. e. $10,451.

Calif., Redwood City — From Hanrahan Co., Standard Oil Bldg., San Francisco, improving Myrtle, King Sts., etc., 7,053 cu.yd. excav. at $1.15 per cu.yd. 1,643 cu.yd. fill $0.25, 169,688 sq.ft. 3 in. subbase $0.057, 164,549 sq.ft. 5 in. vibrolithic concrete paving $0.21, and 10,278 lin.ft. concrete curbing at $0.55, total $58,402. Noted Oct. 29.

Calif., Richmond—From F. J. McHugh, 474 17th Ave., San Francisco, improving Vicente St. between 14th and 19th Aves., 19,592 cu.yd. cut at $0.34 per cu.yd., 8,225 cu.yd. fill $0.01, 85,392 sq.ft. asphaltic concrete paving at $0.255, etc., total $39,825.

Calif., San Diego — From K. S. Heath, National City, improving Fay Ave., etc., 39,178 sq.ft. 4 in. concrete paving at $0.15 per sq.ft., 174,259 sq.ft. 5 in. concrete paving $0.16, 8,488 sq.ft. concrete sidewalk $0.17, etc., total $37,673; from G. R. Daley, 4430 Boundary St., improving Kansas St., etc., 157,406 sq.ft. 1½ in. asphalt on 5 in. concrete paving at $0.229 per sq.ft., 2,361 sq.ft. 4 in. concrete paving $0.18, etc., total $37,470. Noted Oct. 8.

Calif., Stockton—San Joaquin Co., from Irey & Holden, Lodi, improving Eight Mile and Wilhoit Rds., etc., 11,700 cu.yd. grading at $0.30 per cu.yd., 6,140 tons 2½ in. base course gravel $2, 4,470 tons 1½ in. top course gravel, $2, etc.

CONTRACTS AWARDED

N. Y., Brooklyn — J. Guider, pres. Brooklyn Boro, Boro Hall, curbing and flagging where necessary Alabama Ave. and East 29th St., to Grimm Contg. Co., McKinley St., $830 and $2,435 respectively; asphalt repaving Halsey and Union Sts., to Borough Asphalt Paving Co., 1301 Metropolitan Ave., $33,992 and $35,310 respectively; reconstructing curb corners at Atlantic and Bedford Aves., to J. Meehan & Sons, 90 West St., New York City, $2,009; asphalt paving East 29th St., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $9,417 and asphalt repaving South Oxford St., to Cranford Co., 52 9th St., $22,-982. Noted Oct. 29.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading Amory Court to H. E. Kordes Co., 2577 Cooper St., Brooklyn, $4,495; grading, curbing and sidewalks on Fern Pl., to O'Brien & Kurth, 8625 13th St., Jamaica, $8,967; sheet asphalt paving 97th St., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $10,204; grading, sidewalks and gutter spaces in the Plaza, to J. D'Amato, Rockaway Beach, $2,681; and curbing and sidewalks on Rockaway Beach Blvd., to Crawford & Rodgers, 211 Beach St., Brooklyn, $17,866. Noted Oct. 29.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Edgewater St., to J. P. Donovan, 30 Church St., New York City, $14,108; grading and bituminous macadam concrete paving Hoyt Ave., to J. Johnson Sons, 455 Bway., West New Brighton, $7,645. Noted Oct. 15.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving within franchise area of Staten Island Midland R.R., roadway of Lincoln Ave., and bituminous concrete paving Yetman Ave., to J. E. Donovan, 614 Union St., Brooklyn, $3,828 and $22,433 respectively. Noted Oct. 15.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, granite block repaving Richmond Terrace, to Vandbro Constr. Co., 24 Elizabeth St., West New Brighton, $37,-503. Noted Oct. 15.

N. Y., St. George—Park Bd., Park Dept. Arsenal Bldg., 64th St. and 5th Ave., New York City, grading, etc. Park Plaza around bandstand at Westerleigh Park, to Flemming & Sheppard, 116 Broad St., New York City, $3,840; also bituminous macadam paving drive through Silver Lake Park, to J. Johnson Sons, 1455 Bway., West New Brighton, $12,303. Noted Oct. 29.

Pa., Coraopolis — Allegheny Co. (Pittsburgh), reconstructing Norrows Run Rd. between here and Sewickley Bridge, to McLaughlin Contg. Co., Germania Bldg., Pittsburgh, $89,433. Engrs. est. $100,000.

Pa., Leetsdale — Allegheny Co. (Pittsburgh), reconstructing Beaver Rd., Contr. 2 through here, to Penn Pitt Constr. Co., Winebiddle St. and railroad tracks, Pittsburgh, $39,162. Engrs. est. $40,000.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to T. Conner, 3621 North 5th St., grading Large St. $5,166, to Deineer Bros., 5th St. and Fisher Ave. $4,483; to Barber Asphalt Co., 239 North 30th St., asphalt paving 47th St. $7,317, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Roanoke St. $5,392, 18th St. $5,104; to United Paving Co., Real Estate Trust Bldg., vitr. block paving Ruan St. $4,486; to A. J. Henderson, 825 Washington Lane, country road improving 13th St. $2,692; to Municipal Paving Co., 702 Catherine St granite block repaving 7th St. $7,828, 9th St. $6,494, 11th St. $17,805, to Mazzola & Marino, 739 South 7th St., Arch St. $34,838, 8th St. $47,741; to J. Salvucci, 512 North 65th St., 10th St. $6,907, to G. C. Centrone, 1015 Chestnut St., 67th St. $8,368; to Van Sciver Corp., Parkway at 24th St., furnishing and delivering crushed pebbles $3,700; and to L. Bokser, 1518 North 8th St., paving and repaving alleys in 5th Highway Dist. J-2, $3,995. Grand total $234,396. Noted Oct. 29.

West Virginia—State Hy. Comn., Charleston, grading and gravel surfacing 5.5 mi. Kanawha City-Marmet Rd., 18 ft., Kanawha Co., to A. Keathley, Prof. Bldg., Charleston, $74,455. Noted Aug. 6.

W. Va., Beckley — Raleigh Co. Court, grading 2 mi. Tams-Stotesbury Rd., 16 ft., and bituminous macadam surfacing 0.5 mi. same road, to E. C. Cavin Co., Charleston, $55,000. Noted Aug. 6.

W. Va., Summerville—Nicholas Co., grading, etc. Wilderness Dist. Rd., to J. H. Hood, Huntington, $61,778. Noted July 9.

W. Va., Wayne—Wayne Co., grading, etc., 3 mi. McComas-Twelve Pole Rd., 22 ft., to T. E. McComas, Huntington, $30,958. Noted Oct. 1.

N. C., Wilson—Wilson Co., 2 in. Topeka on 5 in. concrete paving Moyeton Rd., to Noll Constr. Co., Charlote, $219,676.

Fla., Punta Gorda—Charlotte Co., paving 93 mi. various roads, and building bridge across Miakka River, at El-Jobean, to Broadbent Constr. Co., Punto Gorda, $1,711,167.

Miss., Louisville—Winston Co., grading, gravel surfacing, etc., 14 mi. Federal Aid Project 74-B, to S. B. Boyd, Columbia, Miss., $89,110.

O., Cincinnati — Hamilton Co., grading, bridging, curbing and concrete paving 46,-250 sq.yds. Dugan Gap Rd., to J. Gradison, North Bend Rd., $272,096. Engrs. est. $295,706. Noted Oct. 22.

O., Lisbon—Asphalt paving 1 mi. Lincoln Way, 50 ft., to Ohio Willite Paving & Surfacing Co., East Liverpool, $27,021. Engrs. est. $30,000.

O., Youngstown — Mahoning Co., brick paving Midlothian Blvd. from South Ave. to Youngstown-Pittsburg Rd., to V. Olson Co., 508 Mahoning Bank Bldg., $59,152. Engrs. est. $60,000.

Michigan — State Hy. Dept., at office Comrs. Ionia Co., Ionia, concrete paving 12.003 mi. Federal Aid Road 113 B, 20 ft., to G. P. Scharl, Grand Rapids, $290,032.

Wis., Milwaukee—Dept. Pub. Wks., vibrolithic concrete paving Superior St., to Kroening Constr. Co., 39th Ave. and Mitchell St. $24,947, 6th St. and Green Bay Ave. (connection), and concrete paving 1 alley to A. E. Retzlaff, 868 Island Ave., $2,173 and $2,347 respectively; asphalt resurfacing Greenfield Ave., to Badger Constr. Co., 97 Wisconsin St., $9,116; and concrete paving 2 alleys, to R. H. Gumz, 831 13th Ave., $6,850. Grand total $45,433.

Ia., Hamburg—To M. L. Flinn Paving Co., Davidson Bldg., Sioux City, improving various streets, 12,800 sq.yd. rein.-con. surfacing at $2.05 per sq.yd., 9,500 ft. curb and gutter $0.35, and grading at $0.35 per cu.yd. Noted Oct. 22.

Minnesota—State Hy. Dept., St. Paul, (**S. P. means State Project and F. A. P. means Federal Aid Project**), gravel surfacing 25,100 cu.yd. S. P. 6-42, F. A. P. 343, Sect. A, to Morris Constr. Co., Morris, $48,-322; 19,200 cu.yd. S. P. 11-16, Dist. 3, to A. Brovold, Baudette, $27,363; 25,150 cu.yd. S. P. 13-27, F. A. P. 346, Sect. C, to Klemmer Constr. Co., Owatonna, $23,304; 19,-500 cu.yd. S. P. 6-43, F. A. P. 343, Sect. C, and 21,200 cu.yd. S. P. 64-22, F. A. P. 353, Sect. B, to Superway, Inc., Fergus Falls, $23,546 and $21,158 respectively. Grand total $143,693. Noted Oct. 29.

Kan., Parsons — Grading, curbing and asphalt surfacing 85,000 sq.yd. various streets, also 7 in. concrete surfacing Morgan St. from 23rd to 32nd Sts., 21st St. from Crawford to Stevens Sts., 13th St. from Main to Crawford Sts., and Grand St. from 13th to Heacocks addition, to M. R. Amerman, 246 North Market St., Wichita.

Kan., Ottawa—Grading, curbing and concrete paving 14 blocks East 4th, East 6th, South Oak and Maple Sts., etc., to Cook & Stucker, Ottawa. Noted Aug. 27.

Neb., Alma — Curbing, guttering and rein.-con. paving, etc., 9,410 ft. various streets, to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, $48,000. Noted Aug. 27.

Neb., Elmwood—Grading, curbing, guttering and gravel surfacing 23,600 sq.yd. Dist. 1, to Moran Constr. Co., 2431 Ellison Ave., Omaha, $26,131.

Neb., Lincoln — Grading and asphaltic concrete paving, etc., Paving Dists. 55 and 56, to Abel Constr. Co., 318 Terminal Bldg., $3,589 and $52,085 respectively.

Neb., McCook—For 5,000 yd. brick and 40,000 yd. bitulithic concrete paving Dist. 8, to Allied Constr. Co., Inc., 1803 Douglas St., Omaha, $130,000.

Neb., Omaha — B. Crawford, judge Douglas Co., improving 1.25 mi. Rd. 51, approximately 12,000 cu.yd. ¾ mi. haul, to T. Hoctor, Omaha, at $0.537 per cu.yd. Noted Aug. 20.

N. D., Fargo — Cass Co., grading and gravel surfacing 20 mi. Meridian Highway North between Fargo and Argusville, to W. H. Noel, Jamestown, $94,366.

Tex., Austin—State Hy. Comn., grading, bridging, etc., 1.49 mi. State Highway 20, Federal Aid Project 478-B, 26 ft., Travis Co., to Armstrong & Armstrong, Box 573, Roswell, N. M., $43,902. Engrs. est. $74,600.

Tex., Linden — Cass Co., grading and bridging, etc., 5.64 mi. State Highway 8, Federal Aid Project 457-A, 26 ft., incl. 109,309 lb. reinforcing, to B. F. Brooks Constr. Co., Slaughter Bldg., Dallas, $55,-370. Engrs. est. $57,000. Noted Sept. 24.

Tex., Palestine—Anderson Co., grading and bridging 16.55 mi. Elkhart-Denson Springs Rd., 26 ft., to J. S. Paxton, Elkhart, $47,566, engrs. est. $50,000; 12.16 mi. Tennessee Colony-Bethel Rd., 26 ft., to J. S. Moore & Sons, Lufkin, $40,404, engrs. est. $45,000. Noted Oct. 29.

Okla., Chandler — Repaving various streets in business district, to H. L. Cannady Co., 1122 South Lewis St., Tulsa, $104,210. Noted Sept. 3.

Okla., Ponca City — Vertical fibre brick surfacing 26,335 sq.yd. Model City Addition, to R. H. Baldwin, 109 East Grand St., $89,-052. Engrs. est. $97,440.

N. M., Portales — For 6 in. concrete paving 17,400 yd. various streets, to R. Irick, Plainview, Tex., $67,466.

N. M., Tecumcari — For 37,210 yd. 2 in. Warrenite bitulithic on 4 in. concrete paving various streets, to M. R. Amerman, 310 West English St., Wichita, Kan., $152,050.

Idaho — Commissioner Pub. Wks., Court House, Orofino, to Ryberg, McHugh & Cowley, Boise, improving 3.48 mi. Orofino-Ahsahka Rd., Federal Aid Project 92-A, Clearwater Co., 5,381 cu.yd. earth excav. at $0.40 per cu.yd., 27,237 cu.yd. solid rock excav., $1.10, 20,048 cu.yd. loose rock excav. $0.40, 17,550 sta.yd. overhaul $0.04, 6,812 cu.yd. broken stone surfacing, etc. $1.50, etc., total $66,439. Noted Oct. 8.

Ore., Scappoose—To Parker-Schram Co., Couch Bldg., Portland, improving Columbia River Highway, 5,400 cu.yd. excav. at $0.50 per cu.yd. 500 cu.yd. borrow $0.55, 4,481 ft. concrete curbing $0.50, 75,775 sq.ft. concrete sidewalks $0.16, 12,300 sq.yd. crushed rock macadam surfacing $0.65, etc., total $33,994. Engrs. est. $38,347.

California—State Hy. Comn., Sacramento, (**e. e. means engineers estimate**) grading and graveling 1.4 mi. road between Summerland and Montecito, Santa Barbara Co. to McCray Co., Amer. Bank Bldg., Los Angeles, $55,907, e. e. $74,797; 0.9 mi. road between Pismo and point 1 mi. south, San Luis Obispo Co., to Collins & Seppi, 107 Maple St., Stockton, $56,305, e. e. $70,305; 0.1 mi. road at middle causeway, near

Streets and Roads (Continued)

Punta, Ventura Co., to E. W. Dahl, Santa Ana, $13,056, e. e. $12,157. Grand total $125,268. Noted Oct. 1.

Calif., Claremont—Grading, curbing, guttering, and Durite asphaltic concrete paving 605,000 sq.ft. various streets, to Griffith Co., Railway Bldg., Los Angeles, approximately $137,156.

Calif., Compton—To V. Kovacevich, 1553 Loma Ave., improving Bowen Ave., Long Beach Blvd., etc., 53,100 sq.ft. 5 in. concrete paving at $0.145 per sq.ft., 6,200 lin. ft. concrete curbing $0.40, 24,900 sq.ft. sidewalks $0.13, and 53,100 sq.ft. grading at $0.01, etc. Noted Oct. 29.

Calif., Redondo Beach—Grading, curbing, guttering, sidewalks and 6 in. asphaltic concrete paving 93,552 sq.ft. Lucia Ave., to G. R. Curtis Paving Co., 2440 East 26th St., Los Angeles, $39,925. Noted Oct. 29.

Calif., Santa Monica — Grading, curbing, guttering, sidewalks, and asphaltic concrete on concrete paving 18th St. between Central Ave. and Downey St., to Griffith Co., Railway Bldg., Los Angeles, $42,555.

Ont., Toronto—To Law Constr. Co., 50 Yonge St., bituminous macadam paving High Park, $14,507; to Kilmer & Barber, 10 Adelaide St., asphalt paving Front St., $10,326; to Dept. Pub. Wks., by day labor, concrete paving lane 1st north of Bloor St. $3,106, lane 1st north of Rosemount St. $1,121, and lane 1st north of Simpson St. $1,303. Grand total $30,363. Noted Aug. 20.

Ont., Windsor—Concrete paving Hall St., Ellesmere and Pierre Alleys, to Calloutti Bros., Windsor, $14,048; alley between McKay and Curry Sts., to Premier Constr. Co., Walkerville, $7,863; alley between Bridge and Josephine Sts., to Check Contg. Co., Windsor, $7,117; and alley between Bruce and Janet Sts., to Cadwell Sand & Gravel Co., Windsor, $4,210. Grand total $33,238.

B. C., Point Grey—Warrenite bitulithic paving various streets to Cotton Co. Ltd., False Creek Yards, Vancouver, $29,054.

Buildings—Industrial

PROPOSED WORK

Mass., Quincy (Boston P. O.)—PLANT—White Bros., 85 Brooks St., Norfolk Downs, Somerville, having revised plans prepared by W. E. Luke, 365 Powder House Blvd., brick and steel plant. $40,000. Former bids rejected. Noted June 25.

N. Y., New York—REPAIR and SERVICE GARAGE—M. Klein, archt. and engr., 39 Graham Ave., Brooklyn, preparing plans 4 story, 75 x 100 ft., brick, steel and stone, plain foundation, 224 Mulberry St., here, $250,000. Owner's name withheld.

Ill., Chicago—PLANT—Eagle Tank Co., 2426 North Crawford St., W. O. Olsen, pres., purchased 6.5 acre site and plans new plant, about 70,000 sq.ft. floor space. $150,000.

Ill., De Kalb — CANNERIES — Rochelle Canneries, S. W. Hoon, assistant mgr., takes bids about Nov. 26, one story, 65 x 402 ft., 65 x 252 ft. and 40 x 211 ft., also 50 x 65 ft. boiler house, all brick and steel, Lincoln Highway. $250,000.

Wis., De Pere — FACTORY — Hudson Mfg. Co., Main St., E. Abendroth, mgr., soon takes bids 2 story and basement, 62 x 120 ft., rein.-con. and brick, plain foundation. $75,000. Private plans. Noted Oct. 8.

Mo., St. Louis — POWER PLANT — Bd. Pub. Serv., 208 City Hall, soon takes bids 3 story, rein.-con., brick and stone power service station, fire dept. repair shops, etc., Clark Ave. $1,000,000. Study & Farrar, Arcade Bldg., archts. Noted July 23.

BIDS DESIRED

Mass., West Springfield (br. Springfield)—PLANT—New England Smelting Co., 220 Union St., taking bids 1 story, rein.-con. and brick plant. $40,000. J. W. Donahue, 105 Bridge St., Springfield, archt.

N. Y., Brooklyn — ICE PLANT — See "Contracts Awarded."

Pa., Blairsville—FOUNDRY—See "Contracts Awarded."

Pa., Reading — BAKERY — Friedofer Baking Co., 20th and Indiana Sts., Phila., taking bids 1 story and basement, 50 x 143 ft., brick, plain foundation, Walnut St. $100,000. G. D. Sue, 760 North 13th St., archt.

Mich., Grand Rapids—POWER PLANTS—W. G. Yates, taking bids two 4,500 kw. capacity water power plants, on Thornapple River. Burd, Giffels & Hamilton, Kelsey Office Bldg., engrs.

Mich., Menominee—FOUNDRY—Prescott Co., F. M. Prescott, pres., taking bids 1 story, 92 x 140 ft. addition to steel foundry, brick and steel, plain foundation, here. Private plans.

Mo., North Kansas City — MACHINE SHOP—See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Gardner—REPAIR and SERVICE—S. Bajonski, c/o A. J. Smith, archt., 142 Lunenberg St., Fitchburg, 2 story 85 x 100 ft., brick and stone, Corner St. and City Hall Ave., to A. Jandris, High St. Archts. est. $85,000. Noted Oct. 22.

Mass., Lawrence — PLANT — Morehouse Baking Co., 5 Mill St., 1 story, 80 x 125 ft., brick addition, Methuen St., to E. A. Peabody & Sons, Bay State Bldg. Archts. est. $40,000.

Mass., Leominster—BOILER HOUSE and COAL POCKET — Richardson Piano Case Co., 1 story, brick and timber boiler house and coal pocket, to G. A. Fletcher & Co., 215 Blossom St., Fitchburg, $40,000.

Mass., Milford—PLANT—Milford Electric Light & Power Co., 241 Main St., 2 story, 45 x 68 ft., rein.-con. and brick addition, to Dillon Bros., 211 Main St. Archts. est. $40,000.

Mass., Plymouth—FACTORY—Plasterite Co., 170 Summer St., Boston, 6 story, 50 x 100 ft., rein.-con., plain foundation, off Lothrop St., to J. Malagutti & Sons, Plymouth. Archts. est. $100,000.

Mass., Westfield—MACHINE SHOP—H. B. Smith Co., 640 Main St., 1 story, brick and steel, to Adams & Ruxton Constr. Co., 387 Main St., Springfield. Archts. est. $40,000. Noted Oct. 29.

N. Y., Brooklyn—ICE PLANT—Rubel Coal & Ice Corp., 197 Glenmore Ave., will build 1 story, 75 x 125 ft. ice manufacturing plant, 2054 Gravesend Ave., $80,000; and 1 story, 50 x 100 ft. plant, Clermont Ave., $75,000. Work will be done by separate contracts under supervision E. M. Adelsohn, archt. and engr., 350 Stone Ave.

N. Y., Rosebank (Sta. Staten Island)—PLANT—L. A. Dreyfus Co., 7 story, 40 x 300 ft., rein.-con. and steel addition, concrete pile foundation, to Turner Constr. Co., 244 Madison Ave., New York City. Archts. est. $200,000.

N. Y., Tonawanda—FACTORY—Rudolph Wurlitzer Mfg. Co., Niagara Falls Blvd., rein.-con., brick and steel addition, to L. A. Harding, 1335 Main St., Buffalo, to exceed $300,000.

Pa., Blairsville — FOUNDRY — B. H. Prack, engr., Martin Bldg., Pittsburgh, will build 1 story, 130 x 312 ft., concrete and steel foundry, here, for Conemaugh Iron Wks. $300,000. Work will be done by separate contracts. Noted Oct. 29.

Pa., Lancaster — CIGAR FACTORY — Consolidated Cigar Co., 52nd St. and 5th Ave., New York City, 1 story and 1 story addition, 63 x 300 ft., brick, Prince St., here, to J. H. Wickersham, Duke St., $50,000.

Pa., New Brighton — FACTORY — Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, general contract 4 story and basement, 30 x 50 ft., rein.-con. addition to chemical building, here, to B. A. Groah Constr. Co., 847 West North Ave., Pittsburgh. Engrs. est. $50,000. Noted Sept. 24.

Del., Wilmington — FACTORY — C. E. Wunder, archt., 1520 Locust St., Phila., Pa., 4 story and basement, brick and steel, plain foundation, 215 French St., here, to J. A. Bader, Lackey Bldg., for Topkis Bros. Co., 217 French St. Archts. est. $100,000. Noted Oct. 22.

N. C., Charlotte — PLANT — Scandinivia Belting Co., Norfolk, Va., about 4 story, cotton belting plant, here, to Lockwood, Greene & Co., 1 Pershing Sq., New York City, N. Y., and 24 Federal St., Boston, Mass.

Mich., Detroit — POWER HOUSE — A. Kahn, archt., 1000 Marquette Bldg., 2 story and basement, 62½ x 70 ft., brick and steel, Gratiot Ave., to H. G. Christman Co., 315 Stevens Bldg., for Hudson Motor Car Co., 12601 Jefferson Ave. Noted Oct. 1.

Mich., Monroe — FOUNDRY — Detroit Stoker Co., General Motors Bldg., 1 story, 150 x 162 ft., brick and steel foundry, also pattern shop, etc., East 1st St., to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O.

Mo., North Kansas City — MACHINE SHOP—R. W. Yates Laundry Mchry. Co., 1210 West 9th St., Kansas City, will build 1 story, 145 x 150 ft., brick, plain foundation, 10th and Cherry Sts., here, by day labor, under supervision G. C. Martin, supt. constr., 321 East 11th St., Kansas City. Archts. est. $45,000.

Okla., Haileyville—ICE PLANT—Southern Ice & Utilities Co., S. M. Marrs, genl. mgr., will remodel ice plant, by day labor. $50,000. Private plans. Noted Aug. 6.

Calif., Long Beach—SWITCH STATION, etc.—Southern California Edison Co., 306 West 3rd St., Los Angeles, rein.-con. switch station and generator plant, to Stone & Webster, Byrne Bldg., Los Angeles, approximately $750,000.

Buildings—Commercial

PROPOSED WORK

N. H., Portsmouth — HOTEL — Rockingham Hotel, having plans prepared by J. R. Richardson, 56 Grove St., Dover, 5 story and basement, 60 x 80 ft., rein.-con. and brick, plain foundation, State St. $150,000.

Vt., Rockingham (Bartonsville P. O.) — THEATRE — Town, L. S. Hayes, town clk., having sketches made by Hutchins & French, 11 Beacon St., Boston, Mass., 1 and 2 story, brick and steel theatre. $250,000. Noted Sept. 17.

Mass., Boston—EXCHANGE—New England Telephone & Telegraph Co., 50 Oliver St., plans exchange on site Hotel St. James, Bowdoin Sq., West End Section. To exceed $150,000. Engineer and architect not selected.

Mass., Boston—HOME—Y. M. C. A., A. S. Johnson, pres., 316 Huntington Ave., plans foreign students home. $500,000. Engineer and architect not selected.

Mass., Boston — STORE and APARTMENT—S. Bernard Realty Co., c/o Silverman, Brown & Heenan, archts., 51 Cornhill St., having plans prepared 5 story and basement, brick, steel and stone, 126 Charles St. $150,000.

Mass., Boston—Y. M. C. A., A. S. Johnson, pres., 316 Huntington Ave., plans to raise $400,000 funds, railroad branch Y. M. C. A. for Boston & Maine R.R. employees. $400,000. Engineer and architect not selected.

Mass., Somerville (br. Boston)—WAREHOUSE — Carlisle Ayer Co., 55 Portland St., Boston, plans 1 story, 50,000 sq.ft. floor space, brick, Lowell St., here. $160,000. Private plans.

R. I., Woonsocket—STORE, OFFICE and SOCIETY—L. Union St. Jean Baptiste, c/o W. F. Fountaine, archt., 285 Main St., plans brick store, office and society building. $400,000.

Conn., Hartford — OFFICE — Travelers Insurance Co., 700 Main St., had plans prepared by Donn Barber, 101 Park Ave., New York City, 10 story, 85 x 135 ft., brick and steel addition, Prospect and Grove Sts., $1,500,000.

N. Y., Brooklyn — THEATRE — New Olympic Theatre, Myrtle Ave., having plans prepared by H. Wiseman, archt. and engr., 25 West 43rd St., brick, stone and steel, plain foundation Myrtle Ave. $300,000.

N. Y., Brooklyn—Y. M. C. A., c/o A. A. Van Senderen, chn. Building Com., having plans prepared by F. L. Ackerman, archt. and engr., 19 West 44th St., New York City, 11 story, 80 x 200 ft., brick, stone and steel, plain foundation, Atlantic Ave. and State St.

N. Y., Buffalo — BUSINESS — D. H. Coplon, Electric Bldg., plans 7 story, rein.-con., brick and stone, 606 Maine St. $500,000.

N. Y., Buffalo — THEATRE — Fox Film Co., 496 Pearl St., plans theatre, Main St. $1,000,000.

N. Y., Jamaica—THEATRE—Tri-United Corp., R. A. Wolfe, pres., c/o E. De Rosa, archt. and engr., 10 West 40th St., New York City, having plans prepared brick, stone and steel, plain foundation, Jamaica Ave. between 175th and 176th Sts. $1,000,000.

N. Y., New York—APARTMENT—Empire Mortgage Co., c/o A. J. Thomas, archt. and engr., 15 East 47th St., having plans prepared 5 story, 215 x 300 ft., brick, steel and stone, plain foundation, Sheridan Ave. and East 158th St. $500,000.

N. Y., New York—APARTMENT—Four Hundred and Thirty, East 57th St. Corp., c/o McKim, Mead & White, archts., 101 Park Ave., having plans prepared 15 story, 88 x 90 ft., brick, steel and stone, plain foundation, 428-434 East 57th St. $800,000.

N. Y., New York — APARTMENT — Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., preparing plans 6 story, 100 x 100 ft., brick, steel and stone, plain foundation, East 84th St. Owner's name withheld.

N. Y., New York—APARTMENTS—L. H. Kaplan, archt. and engr., 1457 Bway., preparing plans six 6 story, brick, steel and stone, plain foundations, University Ave. $500,000 each. Owner's name withheld.

N. Y., New York—APARTMENT—Sommerfield & Sass, archts. and engrs., 31 Union Sq., preparing plans 6 story, 160 x 200 ft., brick, steel and stone, plain foundation, Wadsworth Ave. $500,000. Owner's name withheld.

Buildings—Commercial (Continued)

N. Y., New York—CLUB—Phi Gamma Delta Club, 44 West 44th St., plans 9 story, brick, steel and stone, plain foundation, 106 West 56th St. $500,000. Engineer and architect not selected.

N. Y., New York—GARAGE—Southwest Co., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., having plans prepared 5 story, 180 x 180 ft., rein.-con., brick and steel, plain foundation, Fordham Rd. and Lorillard Pl. $650,000.

N. Y., New York—HOTEL—J. G. Abramson, 46 West 46th St., having plans prepared by L. A. Abramson, archt. and engr., 46 West 46th St., 14 story, 210 x 250 ft., brick, steel and stone, plain foundation, 3rd Ave. and 47th St. $2,500,000.

N. Y., New York—HOTEL—Hotel Properties, Inc., c/o Warren & Wetmore, archts., 16 East 47th St., having plans prepared 19 story, brick, steel and stone, plain foundation, 500 Madison Ave. $1,000,000.

N. Y., New York—LOFT—Three Hundred Twenty-Three West 37th St. Corp., J. Sager, pres., c/o M. Zipkes, archt., 25 West 43rd St., having plans prepared 12 story, 50 x 100 ft., brick, stone and steel, plain foundation, 323 West 57th St. $350,000.

N. Y., New York — LOFT — Trinity Corp., c/o V. Mayper, archt., 15 East 40th St., having plans prepared 10 story, 75 x 150 ft., brick, steel and stone, plain foundation, Varick and Charlton Sts.

N. Y., New York—LOFT and STORE—W. Birns, c/o Buchman & Kahn, archts. and engrs., 49 West 45th St., having plans prepared 23 story, 99 x 100 ft., brick, stone and steel, plain foundation, 6th Ave. and 36th St. $1,000,000.

N. Y., New York—LOFT—A. Brisbane, 238 William St., having revised plans prepared by E. Roth, archt. and engr., 19 West 40th St., 20 story, 85 x 100 ft., brick, stone, and steel, plain foundation, 20 East 57th St. $500,000.

N. Y., Yonkers—HOTEL—Yonkers Chember of Commerce, c/o H. Lansing Quick, archt. and engr., 18 South Bway., New York City, having plans prepared 10 story, brick, stone, steel, plain foundation, Bway. $1,500,000.

N. J., Newark—HOTEL—I. R. Roe, c/o Sharpe, Bready & Peterkin, Inc., archts. and engrs., 50 East 42nd St., New York City, soon takes bids 20 story, rein.-con., brick and steel, plain foundation, 31-33 Lincoln Blvd., here. $2,000,000.

Pa., Allentown—CLUB HOUSE, etc.—Lehigh Country Club purchased 250 acre tract on Little Lehigh, and plans club house, swimming pool, golf course, etc. $250,000. Engineer and architect not selected.

Pa., Connellsville — EXCHANGE — Bell Telephone Co. of Pennsylvania, Phila., Pa., having plans prepared by J. T. Windrim, 1201 Chestnut St., Phila., 2 story and basement, brick and steel, exchange and office building, here. $200,000.

Pa., Highland (Phila. P. O.) — APARTMENT and STORE—MacKenzie & Wiley, archts., Bankers Trust Bldg., Phila., soon lets contract 4 story and basement, 24 x 43 ft., and 2 story and basement, 16 x 55 ft., brick and steel, plain foundation, here. $175,000. Owner's name withheld.

D. C., Wash. — MEMORIAL — Roosevelt Memorial Assn., 1 Madison Ave., New York City, H. Hagedorn, dir., having sketches made by J. R. Pope, 542 5th Ave., New York City, memorial, here. $1,000,000.

Fla., Palm Beach—THEATRE—F. Ziegfeld, 214 West 42nd St., New York City, N. Y., plans brick and stone theatre, plain foundation, here. $3,000,000. Engineer and architect not selected.

La., Shreveport—COURTHOUSE—Caddo Parish Police Jury, voted $1,000,000, constructing courthouse.

Tenn., Memphis — CLUB — Nineteenth Century Club, 174 North 3rd St., W. Halliburton, pres., having plans prepared by G. C. Mahan, Jr., Amer. Bank Bldg., and takes bids about Nov. 15, 3 story and basement, brick, stone and tile, incl. auditorium, swimming pool, etc., on 150 x 175 ft. site, Union Ave. $150,000.

Tenn., Nashville—BANK and OFFICE—Fourth & First Natl. Bank, 326 Union St., having preliminary plans prepared by Ludlow & Peabody, 101 Park Row, New York City, N. Y., modern bank building, 4th and Union Sts. $1,000,000.

Mich., Highland Park (Detroit P. O.) — THEATRE — P. R. Pereira, archt., 333 State St., Detroit, takes bids about Nov. 10, 2 story and basement, 115 x 165 ft., rein.-con. and brick, Woodward and Six Mile Rd., for D. Nederlander, 11 Campus Martius, Detroit. $170,000. Noted April 2, under "Detroit."

Ill., Chicago—APARTMENT—N. F. Wallach, 6438 Greenview Ave., having plans prepared by R. Gregori, and takes bids about Nov. 15, 3 story and basement, 85½ x 125 ft., rein.-con. and steel, Magnolia and Ainslie Aves. $300,000.

Ill., Chicago—BANK and OFFICE—J. Scheitler, archt., 605 North Michigan Ave., takes bids about Dec. 1, 3 story and basement, 56 x 175 ft., rein.-con. and marble, plain foundation, for Phillip State Bank & Trust Co., Clark St. and Lunt Ave. $235,000.

Mo., St. Louis—AUDITORIUM—City, c/o Bd. Pub. Serv., 208 City Hall, having preliminary plans prepared by LaBeaum & Klein, consult. archts., Compton Bldg., 3 story, rein.-con., brick, stone and steel auditorium, 15,000 seating capacity, Market to Clark and 14th to 15th Sts. $5,000,000.

Calif., Santa Barbara — HOTEL — Biltmore Hotel Corp., Biltmore Hotel, Los Angeles, plans approximately 350 room hotel, here. $1,000,000 or more.

BIDS DESIRED

Mass., Boston—HOME—Revere St. Home for Aged Women, H. Woodworth, chn. com., taking bids 3 story and basement, brick, 108 Revere St. $200,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., archts. E. B. Richardson, 220 Devonshire St., engrs. Noted April 16.

Mass., Roxbury (Boston P. O.)—APARTMENT—See "Contracts Awarded."

R. I., Newport—CITY HALL—City, City Clerk's Office, taking bids 3 story and basement, brick and steel, Bway. $200,000. Appleton & Stearns, 53 State St., archts. Noted Sept. 17.

N. Y., New York — APARTMENT — See "Contracts Awarded."

Pa., Phila.—HOTEL—Nov. 7, by B. Shulman, archt., 1722 Arch St., 7 story and basement, 99 x 180 ft., rein.-con., brick and steel, plain foundation, 16th and Callowhill Sts., for J. Marshall Hotel Co., c/o architect.

Fla., Moore Haven — COURT HOUSE—Nov. 16, by Glades Co., N. S. Wainwright, clk., brick and stone court house. $200,000. G. P. Johnson, Ft. Myers, archt. Noted April 30.

O., Cleveland—APARTMENT—M. Weis, archt., 1836 Euclid Ave., taking bids 3 story and basement, 52 x 95 ft., and 55 x 84 ft., brick, Eddy Rd., for M. A. Melamed, 3591 East 121st St. $150,000.

Mich., Detroit — APARTMENT — See "Contracts Awarded."

Ill., Chicago — APARTMENT — H. Costello, 2341 South Michigan Ave., taking bids 3 story, 135 x 160 ft., brick and stone, Euclid Ave. near 71st St. $250,000. P. F. Olson, 720 Cass St., archt.

Ill., Chicago — APARTMENT — P. F. Olson, archt., 720 Cass St., taking bids 5 story, 50 x 150 ft., rein.-con. and brick, 5728 Winthrop Ave., for N. Doherty, 175 West Washington St. $350,000.

Ill., Chicago — GARAGE — Nov. 10, by City, Room 406, City Hall, wrecking present building and constructing new concrete, steel and stone garage, Wrightwood and North Ashland Aves., for Bureau Streets, Dept. Pub. Wks. A. A. Sprague, comr.

Ill., Chicago—HOSPITAL, etc.—Nov. 9, by Cook Co. Supt. Public Service, Room 519 County Bldg., wrecking Childrens Hospital, excavating for and building several new additions to county hospital, Harrison, Wood, Polk and Lincoln Sts. E. E. Hall, 123 Madison St., co. archt. Noted Sept. 10.

Ill., Chicago—HOTEL—Nov. 10, by Oldefest & Williams, archts., 605 North Michigan Ave., 15 story, 50 x 100 ft., rein.-con., brick and terra cotta, 644 Cass St., for Cass Street Building Corp., c/o architects. $800,000.

Ill., West Chicago—TEMPLE—Nov. 7, by C. Hatzfeld, archt., 7 South Dearborn St., Chicago, altering and constructing 3 story, 28 x 53 ft., fireproof addition, for West Masonic Temple Assn.

Mo., St. Louis—STORE and OFFICE—Wedemeyer & Nelson, archts., Wainwright Bldg., taking bids 4 story and basemnt, 40 x 130 ft., rein.-con., brick and stone, 3117-19 South Grand Blvd., for J. E. Dickmann Real Estate Co., 623 Chestnut St. $250,000.

Okla., Boise City—COURT HOUSE—Nov. 16, by Clerk Cimarron Co., 3 story, 60 x 112 ft., concrete, brick and stone, Square. $70,000. Parker & Crawford, Amarillo, Tex., archts. Noted Oct. 15.

Calif., Los Angeles — HOSPITAL — Franciscan Sisters, 1223 Santee St., taking bids 7 story, rein.-con. and steel, Waterloo St. and Bellevue Ave. $450,000. A. C. Martin, 227 Higgins Bldg., archt. Noted May 14.

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

BIDS RECEIVED

N. Y., New York — COURT HOUSE — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Oct. 29 general contract court house for 1st Dist., Williamsbridge Rd. and Roberts Ave., from Butler-Reissdorff Co., 120 East 41st St., $238,000. Noted Oct. 22.

CONTRACTS AWARDED

N. H., Laconia — APARTMENT and STORE—T. J. McIntyre, 3 story and basement, 80 x 91 ft., brick, Main St., to F. E. Morrill, Laconia. Archts. est. $150,000. Noted Oct. 1.

Mass., Boston — APARTMENT—Eighty-One Beacon St., Inc., c/o J. D. Leland Co., archts., 41 Mt. Vernon St., 7 story, 4,000 sq.ft. floor space, brick and granite, to W. H. Whitcomb Constr. Co., 6 Beacon St. Archts. est. $250,000. Noted Aug. 6.

Mass., Cambridge (Boston P. O.) — APARTMENT — Mather Court Apartments, 1 Waterhouse St., 6 story and basement, 6,000 sq.ft. floor space, rein.-con. and brick, plain foundation, to Boyle Robertson Co., 370 Commonwealth Ave., Boston. Archts. est. $250,000. Noted Oct. 15.

Mass., Roxbury (Boston P. O.)—APARTMENT—Castlegate Realty Co., 20 Pemberton Sq., Boston, will build 6 story and basement, brick and stone, Walnut Park, here. $150,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill St., Boston, archt.

Mass., Worcester — HOSPITAL, etc. — Memorial Hospital, Belmont St., 1 story hospital addition, and 4 story and basement nurses home, brick, to J. W. Bishop & Co., 109 Foster St. To exceed $150,000. Noted Sept. 10.

R. I., Providence—HOME—Rhode Island Hospital, 593 Eddy St., 3 story and basement, rein.-con. and brick, Lackwood St., to Starrett Bros., 101 Park Ave., New York City. Archts. est. $150,000. Noted Sept. 10.

Conn., Hartford—OFFICE—Aetna Fire Insurance Co., 670 Main St., 3 and 4 story, brick and steel office building incl. printing plant, storage, etc., Woodland St., to M. Eidlitz & Son, Inc., 750 Main St. Archts. est. to exceed $150,000. Noted Oct. 22.

Conn., Hartford — SOCIETY — Hartford Aid Society, 52 Sanford St., 3 story, 45 x 150 ft., brick and steel, Sanford St., to S. C. Poriss Co., 104 Asylum St. Archts. est. $150,000.

Conn., Stamford — THEATRE — Owner, c/o C. Vuono, 303 Main St., 1 story, brick and steel, Atlantic St., to C. Vuono Constr. Co., 303 Main St. Archts. est. $150,000.

N. Y., New York—APARTMENT—D. B. F. Realty Corp., c/o C. K. Kreymborg & Sons, archts. and engrs., 2534 Marion Ave., will build 5 story, 72 x 134 ft. brick and steel, plain foundation, Hughes Ave. and 180th St., by day labor. $175,000.

N. Y., New York—APARTMENT—Ninto Building Corp., c/o Sugarman & Berger, archts. and engrs., 345 Madison Ave., will build 15 story, 100 x 100 ft., brick and steel, plain foundation, Riverside Dr. and 106th St. $1,000,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—APARTMENT—Evabella Constr. Co., c/o L. Stillman, archt. and engr., 311 Lenox Ave., will build 6 story, 63 x 175 ft., brick and stone, plain foundation, Walton and Mt. Eden Aves., by day labor. $200,000.

N. Y., New York — APARTMENT — Thirty Seaman Ave. Realty Co., c/o Sommerfield & Sass, archts. and engrs., 31 Union Sq., will build 5 story, 100 x 150 ft., brick, stone and steel, plain foundation, Seaman Ave., by day labor.

N. Y., New York—APARTMENT—Two Hundred Thirty-Nine Central Park West Corp., Inc., H. B. Rubin, 501 7th Ave., 15 story, brick, steel and stone, plain foundation, 235 Central Park West, to J. Gilbert, 501 7th Ave. Archts. est. $1,000,000.

N. Y., New York—APARTMENT—Union Settlement, 238 East 104th St., 6 story, brick, stone and steel, plain foundation, East 105th St., to Corning Co., Inc., 145 East 45th St. Archts. est. $200,000.

N. Y., New York—APARTMENT—Jatlson Constr. Co., c/o Schwartz & Gross, 347 Madison Ave., will build 14 story, 140 x 145 ft., brick, stone and steel, plain foundation, Park Ave. and 40th St., by day labor.

N. Y., New York—APARTMENT—Jatlson Constr. Co., Inc., c/o Schwartz & Gross, archts. and engrs., 347 Madison Ave., will build 15 story, brick, steel and stone, plain foundation, 101 East 83rd St., by day labor. $2,000,000. Noted July 30.

N. J., Skillman—STAFF HOUSE, etc.—Dept. Institutions & Agencies, Trenton, general contract 2 and 3 story, 30 x 107 ft. staff house, 30 x 91 ft. home, 29 x 58 ft. doctors home, and repairing cottages at New Jersey Village for Epileptics, here, to C. J. Smith Constr. Co., 202 Academy St., Trenton, $237,351. Noted Oct. 1st.

N. J., Trenton—INFIRMARY and RECEPTION—Institutions & Agencies, 3 story and basement, brick and steel, to C. J.

Buildings—Commercial (Continued)

Smith Constr. Co., 204 Adaney St., for State Home. $101,406. Noted Sept. 24.

Pa., Germantown (Phila. P. O.) — APARTMENT — Lincoln Drive Apartments, c/o Sugarman & Berger, archts. and engrs., 345 Madison Ave., New York City, N. Y., 14 story, brick, steel and stone, plain foundation, here, to Longacre Eng. & Constr. Co., Inc., 345 Madison Ave., New York City, N. Y. Archts. est. $750,000.

Pa., Laurelton — DORMITORIES — Laurelton State Village for Feeble Minded, State Capitol, Harrisburg, Buildings 5, 6 and 7, each 2½ story and basement, 84 x 100 ft., rein.-con., brick and steel, here, to F. K. Worley Corp., Wesley Bldg., Phila., $166,925. Noted Oct. 22.

N. C., Charlotte—BANK and OFFICE—First Natl. Bank, 21 story, rein.-con., brick and steel, to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland, O. Archts. est. $1,500,000. Noted Sept. 24.

O., Cincinnati — BANK — Pearl Market Bank, 7th and Race Sts., 3 story and basement, 70 x 90 ft., brick and rein.-con., plain foundation, to M. Penker & Sons, 123 Valencia St. $175,000. Noted July 9.

Mich., Detroit — APARTMENT — R. T. Lee, General Motors Bldg., will build 4 story and basement, brick and steel, plain foundation, Chicago Blvd., by day labor. $500,000. Private plans.

Ill., Chicago — APARTMENT — A. W. Swayne, 400 North Michigan Ave., general contract 17 story and basement, 60 x 123 ft., rein.-con. and steel, 59th St. and Stoney Island Ave., to A. Brundage Co., 110 South Dearborn St. Archts. est. $2,000,000.

Ill., Chicago—APARTMENT—W. A. Conran, 77 West Washington St., masonry and carpentry contract 3 story, 80 x 214 ft., brick, 4742 Drexel Blvd., to D. A. Matteson & Co., 77 West Washington St. Archts. est. $250,000.

Ill., Chicago — STORE and OFFICE — D. F. Chase, Inc., 720 North Michigan Ave., general contract masonry, concrete and carpentry work Stark Building 10 story and basement, rein.-con., brick and stone, 226-232 South Wabash Ave., to L. Balkin, 1852 West Austin Ave., from P. A. Stark Piano Co., 210 South Wabash Ave. Archts. est. $475,000. Noted Sept. 3.

Ill., Chicago — STORE — Holabird & Roche, archts., 104 South Michigan Ave., general contract 6 story and basement, 130 x 166 ft., rein.-con. and steel, woodpile foundation, East Lake St. and North Michigan Ave., to Dahl-Stedman Co., 11 South La Salle St., for McCormick Estates, c/o J. F. Stone, mgr., 30 North La Salle St. Archts. est. $1,000,000. Noted Oct. 1.

Wis., Milwaukee — GARAGE and OFFICE — Oneida & Jackson Co., c/o A. Straus, 230 Grand Ave., 3 story and basement, 100 x 122 ft., brick and concrete, plain foundation, Oneida and Jackson Sts., to Reisinger & Co., 464 Oakland Ave. Archts. est. $150,000.

Neb., Holdrege — ORPHANAGE — Christian Orphan Home, general contract 3 story and basement, 40 x 180 ft., with 40 x 60 ft. wing, brick and concrete, to W. Knutzen & Co., Kearney.

Missouri — CLUB HOUSE — J. Slupsky et al., 5534 Pershing Ave., St. Louis, 2 story and basement, concrete and stucco clubhouse, incl. stables, swimming pool, golf course, riding track, etc. on 122 acre tract on Warson and Denny Rds. between Manchester and Clayton Rds., in St. Louis Co., to G. Griffiths Constr. Co., 705 Olive St., St. Louis. Archts. est. $400,000.

Mo., Kansas City — OFFICE — Dunlap Realty Co., 301 New York Life Bldg., 2 story and basement, 60 x 107 ft., rein.-con., brick and terra cotta, 9th and Delaware Sts., to Morely Constr. Co., Sheidley Bldg. Archts. est. $150,000.

Mo., St. Louis—STORE and OFFICE—J. Darst Real Estate Co., 105 North 8th St., 3 story and basement, brick, concrete and stone, Grand St. and Washington Ave., to Seldon Breck Constr. Co., Fullerton Bldg. Archts. est. $250,000.

Ark., Little Rock — OFFICE — Local Snydicate, c/o P. J. Bradshaw, archt., International Life Bldg., St. Louis, Mo., general contract 8 story and basement, 150 x 150 ft., rein.-con., brick, stone and steel, 3rd and Spring Sts., to Stewart & McGehee Constr. Co., Kahn Bldg. Archts. est. $300,000.

Tex., Breckenridge — COURT HOUSE and JAIL—J. W. Hill, judge Stephens Co., 4 story and basement, rein.-con., brick and stone, to Walsh & Burney, 928 North Flores St., San Antonio, approximaetly $400,000. Noted Sept. 3.

Tex., Houston — WAREHOUSE and OFFICE — Crane Co., c/o U. V. Groenlund, mgr., 2205 McKinney Ave., 4 story and part basement, 100 x 188 ft., and 1 story, 61 x 80 ft., rein.-con., brick and tile, McKinney Ave. and Hutchins St., to J. B. Towsend, 542 West Bldg., $156,675.

Calif., Altadena (Pasadena P. O.) — HOME—Boys and Girls Aid Society, orphanage buildings, here, to Orndorff Constr. Co., 351 North Western Ave., Los Angeles, approximately $265,000. Noted Oct. 29.

Calif., Brawley—HOTEL and STORE—Community Hotel Corp., 3 story, rein.-con. hotel and store, to T. L. Otis Co., 5639 Sunset Blvd., Los Angeles, $171,250. Noted July 2.

Calif., Los Angeles — HOTEL — Hotel Holding Corp., 12 story and basement, rein.-con., Orange Dr., to Trewhitt-Shields, Edwards-Wildey Bldg., approximately $3,000,000.

Calif., Los Angeles—WAREHOUSE—Goodyear Tire & Rubber Co., 6701 South Central Ave., 4 story, 100 x 280 ft., rein.-con., Central Ave., to Lynch-Cannon Eng. Co., 1027 Chapman Bldg., approximately $215,000. Noted Oct. 22.

Calif., Ontario—THEATRE, etc.—C. L. Emmons, 2 story, 97 x 127 ft., rein.-con. and timber theatre, store and apartment building, to F. W. Edwards, Ontario, $200,000.

Calif., San Francisco—APARTMENT—W. Props, 2335 Larkin St., will build 5 story and basement, rein.-con., California and Franklin Sts., by day labor. $150,000-$160,000. Noted Oct. 29.

Ont., Niagara Falls—TOURIST—Queen Victoria Niagara Falls Park Comn., general contract 1 and 2 story, 140 x 200 ft., stone and concrete, plain foundation, Table Rock, to Pigott-Healy Constr. Co., 36 James St. S., Hamilton, $250,000.

Buildings—Educational, Religious

PROPOSED WORK

N. H., Durham—COLLEGE—University of New Hampshire, R. E. Hetzel, pres., plans college addition. $225,000. Engineer and architect not selected.

Mass., Boston — HIGH SCHOOL — St. Thomas Church Society, 93 South St., Jamaica Plain, plans raising funds to exceed $150,000, new high school, West Roxbury Dist., here. Engineer and architect not selected.

Mass., Medford (br. Boston) — DORMITORY — Tufts College, S. Robbins, chn. com., 20 Pemberton Sq., plans brick dormitory. $150,000. Engineer and architect not selected.

R. I., Central Falls (Ind. br. Pawtucket) —HIGH SCHOOL—Bd. Educ., Pawtucket, having preliminary plans prepared by O'Malley & Fitzsimmons, Fanning Bldg., Pawtucket, 2 story and basement, brick and steel, Summit and Illinois Sts., here. $250,000. Noted May 21.

Conn., New Haven—CHURCH—Church of the Redeemer, R. M. Houghton, pastor, plans church, Cold Spring St. and Whitney Ave. $250,000. Engineer and architect not selected.

N. Y., Brooklyn—NURSES HOME—Dept. Pub. Welfare, Municipal Bldg., New York City, B. S. Coler, comr., having plans prepared by Dodge & Morrison, 160 Pearl St., New York City, 3 story, 112 x 150 ft., brick and steel addition to Coney Island Hospital, plain foundation, Ocean Parkway, here. $200,000. F. Sutton, 140 Cedar St., New York City, engr.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, soon takes bids P. S. 208, brick, stone, steel and plain foundation, Ave. M, here. $350,000. W. H. Gompert, Flatbush Ave., Extension and Concord St., engr. and archt. Noted Oct. 8.

N. Y., Ithaca—SYNAGOGUE—E. Polaroff, Prudential Bldg., Buffalo, plans campaign to raise $300,000 for synagogue, at Cornell University.

N. J., Plainfield—CHURCH—First Baptist Church, J. H. Case, chn. building com., plans church. $200,000. H. Upiohn, Grand Central Terminal, New York City, archt.

Pa., Johnstown — HIGH SCHOOL — Bd. Educ. having plans prepared by J. E. Adams, Nemo Bldg., Pittsburgh, completing Garfield Junior High School, 4 story and basement, 65 x 404 ft., brick and steel, Sheridan and Decker Sts. $750,000. Noted Oct. 1.

La., New Orleans — SCHOOL — Orleans Parish School Bd., plans to sell $2,500,000 bonds Nov. 10, for new schools. J. A. Forties, pres.

Mich., Jackson — HIGH SCHOOL — Bd. Educ. soon takes bids 3 story and basement, 150 x 350 ft., brick and stone school $1,200,000. Childs & Smith, 720 North Michigan Ave., Chicago, Ill., archts. Noted Aug. 27.

Kan., Topeka — AUDITORIUM and LIBRARY — Election Nov. 24, $550,000 bonds for auditorium, and $275,000 bonds for library. E. M. Covell, city clk.

Mo., Mexico — HIGH SCHOOLS — Election Nov. 23, $300,000 bonds, new high schools, etc. Noted May 21.

Tex., Wichita Falls—MEDICAL ARTS—Owner, c/o J. W. Culbertson, City Natl. Bank Bldg., having plans prepared by Voelcker & Dixon, Morgan Bldg., 11 story and basement, 100 x 150 ft., rein.-con., brick and stone, 8th and Lamar Sts. $1,000,000.

Calif., San Bernardino — SCHOOLS — Voted $785,000 bonds, 11 elementary schools and additions and 3 Junior High Schools and additions. Noted July 23.

Calif., San Leandro — COLLEGE — St. Marys College, Bway. and Hawthorne St., had plans prepared by J. J. Donovan, Tapscott Bldg., Oakland, group college buildings, incl. administration, faculty, dormitories, gymnasium, power house, etc. $3,000,000.

Calif., San Luis Obispo—HIGH SCHOOL—Plans election $150,000 bonds, (1st unit) fireproof high school.

BIDS DESIRED

Mass., Charlestown (Boston P. O.) — SCHOOL — Schoolhouse Dept., Boston, taking bids 2 story and basement, 40 x 130 ft., brick and limestone, plain foundation, Warren St., Bunker Hill Dist., here. $200,000. J. Driscoll, 6 Beacon St., Boston, archts.

Mass., Charlestown (Boston P. O.) — HIGH SCHOOL — Schoolhouse Dept., Boston, taking bids 2 story and basement, brick and stone addition to contain manual training shops, Monument Sq., Bunker Hill Dist., here. $150,000. McLaughlin & Burr, 80 Boylston St., Boston, archts.

Pa., Westmont (Johnstown P. O.) — CHURCH—Westmont Presbyterian Church, c/o J. W. Walters, Johnstown, taking bids 2 story and basement, 49 x 72 ft. church, Luzerne St. and 5th Ave. $150,000.

Ala., Fairfield—COLLEGE—Nov. 15, by G. W. Word, pres. Miles Memorial College, 3 story, 100 x 150 ft., brick and stone college. $250,000. Private plans.

Ill., Elmhurst—HIGH SCHOOL—Nov. 23, by J. C. Llewellyn Co., archts., 38 South Dearborn St., Chicago, 3 or 4 story, 40 x 180 ft., rein.-con. and brick addition, here, for Bd. Educ. $150,000.

Calif., Los Angeles — SYNAGOGUE — Norton & Wallis, archts., and Edelman & Barnett, associated archts., Financial Bldg., taking bids synagogue, Hobart and Wilshire Blvds., for B'Nai B'Rith Congregation. To exceed $750,000.

BIDS RECEIVED

Mass., Taunton — SCHOOL — Bd. Pub. Property Com., Oct. 21, 2 story and basement, 75 x 125 ft., brick, steel and stone, plain foundation, from M & D Constr. Co., 51 Cornhill St., Boston, $135,738. Noted Oct. 8.

N. J., Blackwood—HIGH SCHOOL—Bd. Educ., c/o J. Price, Glendora, general contract Junior High School, 2 story and basement, 106 x 130 ft., rein.-con. and brick, plain foundation, from G. Brandt, Blackwood, $116,872. Noted Oct. 22.

Mich., Detroit—HIGH SCHOOL—Reford Union Schools, 2 story and basement, 106 x 110 ft., rein.-con. and brick, Grand River Ave., from W. W. DeLange, 7040 Farnsworth Ave., Detroit, $154,012.

Mich., Detroit — SCHOOL — Bd. Educ., Oct. 16, 2 story and basement, 132 x 171 ft., rein.-con., steel, and brick, plain foundation, Nashville Ave., from M. A. Mahoney, 400 Penobscot Bldg., $204,497. Noted Oct. 15.

CONTRACTS AWARDED

Mass., Arlington (Boston P. O.) — CHURCH — Church of Our Savior, W. M. Bixby, pastor, 38 Marathon St., 1 and 2 story and basement, rein.-con., brick and stucco, plain foundation, to T. C. Davis, 15 Oak Terrace, Newton Highlands. Archts. est. $150,000. Noted Oct. 1.

Mass., Boston — SCHOOL — Mission Church Parish, J. O'Leary, pastor, 2 story and basement, 65 x 200 ft., brick and stone,

Buildings—Educational, Religious (Cont.)

plain foundation, Tremont St., to McDonald & Imhoff, 164 Dudley St., Roxbury. Archts. est. $200,000.

Mass., New Bedford—HIGH SCHOOL—City, Pub. Building Com., South Junior High School, 3 story and basement, brick, stone and steel, Frederick St., to A. E. Stephens, 145 State St., Springfield, $360,-800; heating, to J. N. Conway, 470 Union St., $81,135. Noted Oct. 29.

Mass., Worcester — NURSES HOME — Worcester Memorial Hospital, Belmont St., 4 story, brick and steel addition, to J. W. Bishop & Co., 109 Foster St., about $460,-000. Noted Sept. 24.

R. I., Edgewood (Providence P. O.)—LIBRARY — Hall Estate, c/o G. F. Hall, archt., 807 Union Trust Bldg., Providence, 2 story, brick, memorial library, Broad St., to C. G. Maquire, Grosvenor Bldg., Providence. Archts. est. $150,000. Noted June 11.

N. Y., Brooklyn—SCHOOL—St. Francis College, 41 Butler St., 3 story, 90 x 105 ft., brick and stone, plain foundation, Butler St., to J. H. Eisele Co., 18 East 41st St., New York City. Archts. est. $175,000. Noted Oct. 8.

N. Y., Kenmore—SEMINARY—Mount St. Marys Seminary, rein.-con., brick and stone, Delaware Ave., to Mosier & Summers, 1266 Seneca St., Buffalo, $400,000.

N. Y., Port Richmond (Sta. Staten Island)—HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York City, for high school, Innis St. and St. Joseph Ave., general contract, to G. DeKemple, Inc., 30 Church St., New York City, $594,000 plumbing, to T. E. O'Brien, 6311 5th Ave., Brooklyn, $41,889; heating, to D. J. Rice, Inc., 405 Lexington Ave., New York City, $71,700; and electrical work, to New York Electrical Constr. Co., 8 East 41st St., New York City, $26,-320. Grand total $733,909. Noted Oct. 29.

N. J., Long Branch — SCHOOL — Bd. Educ., 2 story, 71 x 251 ft., and 117 x 153 ft., brick and steel, plain foundation, Westwood Ave., to Zerbe Constr. Co., 1133 Bway., New York City, $425,550; heating and ventilating, to A. T. Van Cleve, Inc., Ocean Grove, N. J., $54,676; plumbing, to W. R. Hogg, 412 Bond St., Asbury Park, $24,900. Noted Oct. 29.

Ala., Birmingham — LIBRARY—Library Bd., 4 story and basement, 100 x 150 ft., limestone rock and Alabama marble, 21st St., to Foster & Creighton Co., 4th & 1st Natl. Bank Bldg., Nashville, Tenn., $404,-900. Noted Oct. 15.

La., Bastrop—HIGH SCHOOL—Morehouse Parish, Bd. Educ., general contract 2 story, brick and concrete high school, to H. Cleveland, Shreveport, $123,024; heating and plumbing, etc., to W. Fitzgerald, Shreveport, $29,575. Noted Sept. 17.

Mich., Birmingham — SCHOOL — Bd. Educ., general contract 2 story and basement, 18 room, rein.-con. and brick addition, plain foundation, to N. A. Starr, Royal Oak, $189,500. Noted Feb. 19.

Mich., Detroit—CHURCH—G. D. Mason & Co., archts., 80 Griswold St., 2 story and basement, 41 x 118 ft., and 45 x 60 ft., rein.-con., brick and steel, plain foundation, 3rd and Phila. Aves., to A. A. Albrecht Co., 1130 Penobscot Bldg., for Christ Evangelical Lutheran Church, 760 West Phila. Ave. Archts. est. $150,000. Noted July 30.

Mich., Detroit — CHURCH, etc. — Williams & Coughlin, archts., 801 Kresge Bldg., 9 story and basement, 75 x 100 ft. apartment and office building, 2 story and basement, 79 x 100 ft. church, and 3 story, 50 x 100 ft. rectory, 12th St. and West Grand Blvd., to Gallagher-Flemming Co., 6500 Epworth Blvd., for West Grand Boulevard Methodist Episcopal Church. $800,-000. Noted Oct. 15.

Ill., Waukegan — GYMNASIUM—Township High School Bd., 1 story (48 ft.), 136 x 183 ft., concrete, brick and stone gymnasium, to J. Soller & Sons, 329 Masonic Temple Bldg., Davenport, Ia. Noted Oct. 1.

Wis., Cudahy — HIGH SCHOOL — Bd. Educ., W. Rasche, pres., masonry, concrete and excavation for (1st unit) 2 story and basement, 60 x 60 ft., and 62 x 180 ft., brick and tile, plain foundation, to L. Unger, 626 Armour Ave., cost plus basis, not to exceed $67,000; carpentry work, to Polasek Bros., 501 Armour Ave., $24,200; structural steel, to Milwaukee Structural Steel Co., Watertown Rd., Milwaukee, $14,615. Noted Oct. 22.

Wis., Marinette—SCHOOL—St. Josephs Catholic Congregation, 1230 Elizabeth Ave., 2 story and basement, brick and tile, plain foundation, to C. J. Hansen, 222 South 12th St., Green Bay. Archts. est. $150,000. Noted Oct. 1.

Ia., Dubuque — CHURCH — Grand View Methodist Episcopal Church, general contract 1 story and basement, 50 x 125 ft., brick and stone church, to W. L. Yokum, 304 Federal Bldg. Noted Sept. 24.

Kan., Pittsburg — LIBRARY — Kansas State Teachers College, general contract 3 story, 97 x 147 ft., rein.-con., brick and stone library, to Sharp Bros. Constr. Co., Eldorado, $125,000. Noted Oct. 15.

Wash., Walla Walla—WOMENS DORMITORY — Lawrence & Holford, archts., Chamber of Commerce Bldg., Portland, Ore., general contract 3 story and basement, brick, here, to O. D. Keen, Spokane, for Whitman College. Archts. est. $150,000.

Federal Government Work

PROPOSED WORK

Arizona — Road — U. S. Forest Service, Tucson, made surveys grading and graveling Pinery Caynon Rd. in Chiriahua Mountains, Cochise Co. $60,000 appropriated. C. W. McKenzie, engr.

BIDS DESIRED

D. C., Wash.—Boiler Plant Equipment—Spec. 5152.—Nov. 18, by Bureau Yards & Docks, Navy Dept., combined feed water heater and meter, reciprocating boiler feed pumps, storage tank, etc., at Naval Hospital.

Tex., Galveston—Dredging—Nov. 27, by U. S. Engineer Office, dredging channel between Port Aransas and Corpus Christi; adv. E. N.-R. Nov. 5.

Utah, Salt Lake City—Post Office—Nov. 23, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing mezzanine floor, etc., in post office and courthouse, here; adv. E. N.-R. Nov. 5.

Wash., Puget Sound—Storehouse—Spec. 5106—Nov. 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., storehouse, Naval Ammunition Depot, here. Noted Oct. 8.

Ore., Portland—BARGES—Nov. 12, by Engineer Office, New Post Office Bldg., two 120 x 34 x 7½ ft. steel barges.

BIDS RECEIVED

Ky., Louisville—Gates—U. S. Engineer Office, Oct. 26, from Independent Bridge Co., P. O. Box 1920, Pittsburgh, Pa., lock gates for Lock 46 $51,240, Lock 49 $53,740, for Locks 46 and 49 combined $102,240. Noted Oct. 1.

Mo., Kansas City—U. S. Engineer Office, 707 Postal Telegraph Bldg., Oct. 16, 1,110 lin.ft. current retards in Quindaro Bend, Missouri, from Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb. at $54 per ft.

Mo., Kansas City — Current Retards — U. S. Engineer Office, 707 Postal Telegraph Bldg., Oct. 7, 270 lin.ft. current retards in Missouri River, near Parkville, from Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $14,850.

CONTRACTS AWARDED

Mass., Beverly—Excavation—U. S. Engineer Office, Boston, rock excavation in harbor, here, to Bridgeport Dredge & Dock Co., 1024 Main St., Bridgeport, Conn., $97,-537. Noted Oct. 22.

N. Y., New York—Dredging—U. S. Engineer Office, 2nd Dist., dredging and rock removal, Area 1, New York and New Jersey Channels, to Seeley Eng. Co., 2 Rector St., New York City, $264,920. Noted Oct. 8.

D. C., Wash.—Lamp Standards—Treas. Dept., at Office Supervising Archt., cast iron lamp atsndards, to Flour City Ornamental Iron Co., 2637 27th Ave. S., Minneapolis, Minn., $3,300. Noted Oct. 29.

Ga., Savannah—Jetties—U. S. Engineers Office, Post Office Bldg., raising jetties at entrance Fernandina Harbor, Fla., to Simons-Maysant Co., Mry. & S. R.R., Charleston, S. C. $187,200.

Ky., Louisville—Wicket Irons—U. S. Engineer Office, P. O. Box 72, Oct. 20, wicket irons, etc., for Navigable Passes, Dams 49 and 50, Ohio River, to Amer. Car & Fdry. Co., Jeffersonville, Ind., $75,174. Noted Sept. 24.

O., Sandusky—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., post office, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $146,010 (15 months). Noted Oct. 8.

Unclassified

PROPOSED WORK

Golf Course, etc. — Bourne, Mass. — Oyster Harbor, Inc., c/o F. W. Norris, 31 Milk St., Boston, having sketches made by Whitten & Gore, 31 Milk St., Boston, golf course and club house, here. To exceed $25,000.

Terminals — Charlestown (sta. Boston), **Mass.** — Wiggin Terminals, Inc., 50 Terminal St., plans Kumber Terminals, Medford St., Mystic River, wharves to dock five steamers, bulkheads, locomotive cranes, etc. $200,000. Warren Eng. Corp., 501 Terminal St., engr.

Playground—Dorchester (Boston P. O.)—**Mass.**—City, Street Layingout Dept. plans constructing Oak Ave., Charlemont and Delmont Sts. as school playground. $25,-000. J. F. Sullivan, secy.

Stadium—Everett (Boston P. O.) **Mass.**—City, L. D. Chisholm, mayor, plans stadium, high school field. To exceed $25,-000. Engineer not selected.

Swimming Pool, etc.—Newport, R. I.—Newport Beach Assn. A. McFowan, mgr., had plans prepared by H. Upjohn, 70 East 45th St., New York City, 60 x 100 ft. brick and tile swimming pool, 20 ft. deep, Newport Beach. $150,000.

Swimming Pool, etc. — Bradley Beach, N. J.—Boro plans swimming pool, baths, comfort station, etc. $200,000. F. P. Reichey, boro clk.

Swimming Pool, etc.—Allentown, Pa.—See "Buildings—Commercial."

Stadium—Johnstown, Pa.—Election Nov. 3, $250,000 bonds, stadium on Point Recreation Grounds, and improving said grounds. L. Franke, mayor.

Oil Pipe Line—Lawton, Miss.—Lawton Oil Refining Co. making preliminary plans 14 mi. 6 in. pipe line from oil field to refinery. $60,000. W. D. McBee, Lawton, engr.

Swimming Pool — Memphis, Tenn. — See "Buildings—Commercial."

Zoological Park—Detroit, Mich.—Detroit Zoological Park Comn., 2134 Dime Bank Bldg., having plans prepared by Donaldson & Meier, 1314 Penobscot Bldg., for architectural work, etc. for new zoological park, incl. approximately 100 x 200 ft. aviary, Ten Mile Rd. $500,000.

Subway—Paola, Kan.—See "Bridges."

Land Development — Clayton, Mo. — E. Davis Realty Co., 1101 Locust St., St. Louis, making preliminary plans 210 acre subdivision on Ladue Rd. west of here, St. Louis Co., incl. streets, water, sewers, sixty 3 story apartment houses, gas, electric light, etc. $200,000 upwards. Pitzman Eng. & Survey Co., 615 Chestnut St., St. Louis, engrs.

Pleasure Resort—Raymondsville, Tex.—R. Halloway plans pleasure resort and swimming pool. $30,000.

Transmission Line—Sweetwater, Tex.—See "Buildings—Industrial."

Transmission Line — Oklahoma—Nowata Pub. Serv. Co., Nowata, plans transmission line from Nowata to Tulsa. $300,000.

Gravel Plant—Ft. Gibson, Okla.—Grand River Gravel Co., J. T. Langley, mgr., 1614 South Cheyenne St., Tulsa, plans gravel producing plant, here. $25,000.

Swimming Pool — Burlingame, Calif. — Plans election $50,000 bonds for swimming pool, incl. boilers, etc. $6,000, filtration, wiring, etc. $7,500, dressing rooms $2,500, and plunge $12,000. J. S. James, city engr.

Subway—Toronto, Ont.—East York and Scarboro Twps., plan concrete and structural steel subway under Victoria Park Ave. $80,000. C. E. Fraser, 1361 Kingston Rd., and G. R. Jack, 443 Sammon Ave., engrs.

BIDS DESIRED

Subway—New York, N. Y.—Nov. 17, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 7, Route 78, extending under West 174th St. and Fort Washington Ave. from West 174th to West 183rd Sts.

Street Lighting System—Biloxi, Miss.—See "Streets and Roads."

Stadium — Columbia, Mo. — Dec. 1, by Curators University of Columbia, rein.-con. stadium, approximately 25,000 seating capacity, also football field. Jamieson & Spearl, 1116 Arcade Bldg., St. Louis, engrs. Noted May 21.

Transmission Line — Oklahoma — See "Contracts Awarded."

Unclassified (Continued)

Wharf—Chandler, Que.—Nov. 6, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, extension to landing wharf, here, Gaspe Co. $25,000.

Wharf—Victoria Beach, Man.—Nov. 17, by S. E. O'Brien, secy. Dept. Pub. Wks., Parliament Bldgs., Ottawa, extension to wharf, Lake Winnipeg, here, Springfield Co. $25,000.

Turbines, etc.—Winnipeg, Man.—Nov. 9, by Hydro Electric System, Princess St., 2 units horizontal shaft turbines, and governors for hydro electric system. $125,000.

BIDS RECEIVED

Electrical Installation—Phila., Pa.—Dept. Pub. Wks., Bureau of Engineering Oct. 27, electrical installation in city owned property east of Broad St. south of Pattison Ave., from W. P. Pangborne & Co., 1925 West Montgomery St., $86,092.

Causeway—South Carolina—Offices State Hy. Comn., Columbia, embankment for 1.753 mi. Hog Island Causeway, on State Route 40, State Project S-586, Charleston Co., from Mayfield Constr. Co., Denmark, $27,867; 339 ft. timber trestle over same course, from Dawson Eng. Co., 21 Broad St., Charleston, $13,335; 2nd section of same embankment, from Sanford & Brooks, West Shore Terminal, Charleston, $76,645. Noted Oct. 1.

CONTRACTS AWARDED

Ice Skating Arena — Springfield, Mass. — Springfield Arena Co., c/o E. P. Smith, 52 Devonshire St., Boston, ice skating arena, incl. 13 mi. pipe cement casing, machine house, etc., to F. T. Ley Co., 495 Main St.

Heating and Ventilating — Worcester, Mass. — Holy Cross College, J. Dinard, pres., heating and ventilating system, in library and chapel, to Merrill Co., 98 Granite St., Boston. Archts. est. $25,000. Noted Sept. 17.

Car Barn — Waterbury, Conn. — Connecticut Co., West Main St., 1 story, 205 x 367 ft., brick, concrete and steel, West Main St., to H. Wales Lines Co., 134 State St., Meriden. Half of structure to be built now. Archts. est. $450,000. Noted Oct. 15 under "Industrial works."

Inspection Shed-Corona (Ind. Sta. Flushing), **N. Y.** — Bd. Transportation, 49 Lafayette St., New York City, inspection shed enclosure at Corona Yard, here, to Riverdale Constr. Co., 1440 Bway., New York City, $235,000. Noted Oct. 22.

Foundation — Lebanon, Pa. — Lebanon Natl. Bank, foundation for 1 story and basement, 51 x 90 ft., steel, marble and stone, 9th St., to J. H. Wickersham, Duke St., Lancaster, $175,000.

Foundation—Pittston, Pa.—Pittston Hospital Assn., Miners Bank Bldg., Wilkes Barre, foundation for 5 story and basement, 37 x 150 ft. hospital, here, to E. S. Williams, 342 New St., Scranton, cost plus percentage basis. Archts. total est. $500,000.

Stadium — Chicago, Ill. — South Park Comrs., 57th St. and Cottage Grove Ave., rein.-con. and Benedict stone stadium addition, in Grant Park, to J. Griffiths & Sons Co., 12 West Adams St., $2,202,605. Noted June 18.

Piling — Omaha, Neb. — A. H. Blank Theatre Co., 300 Commonwealth Bldg., Des Moines, Ia., piling, to MacArthur Pile & Foundation Co., 55 John St., New York City, N. Y., about $25,000. Noted Oct. 29 under "Buildings—Commercial."

Swimming Pool and Golf Course, etc.—Missouri—See "Buildings—Commercial."

Hydro-Electric Station — Marble Falls, Tex.—Marble Falls Textile Mills, c/o J. H. Baston, pres., Waco accessory work on dam, long boom, head gate, etc., to L. L. Winans, 2824 Travis Ave., Fort Worth, $57,170.

Transmission Line—Oklahoma—Chickasha Gas & Electric Co., Chickasha, will build 9 mi. transmission line from Minco to Union City and distribution system at Union City, by day labor. $27,000. F. D. Shafer, Chickasha, engr.

Lighting System — Pasadena, Calif. — Ornamental lighting system in North Fair Oaks Ave. between Chestnut and Washington Sts., to Ducey & Breitenstein, P. O. Box 203, R. F. D. 3, $44,000; in Colorado St. between west city limits and Virginia St., to Underground Constr. Co., 517 South Bway., $40,925.

Foundations — Fort Alexander, Man. — Manitoba Pulp & Paper Co. Ltd., Winnipeg, concrete pile and caisson foundations for 6 pulp and paper mills, rein.-con. and brick, here, to Carter Halls Aldinger Co., Ltd., Winnipeg, $750,000.

Ice Rink — Toronto, Ont. — Ravina Rink Co., 50 Rowland Ave., general contract 1 story, 100 x 175 ft., artificial ice rink, to G. L. Robinson, 9 Frank Crescent; heating and plumbing, to C. C. Hicks, 741 Lansdowne Ave.; and refrigeration, to Refrigerating Engineers; Ltd., 457 King St. Engrs. est. $150,000. Noted June 25.

Materials

BIDS DESIRED

Cable—Buffalo, N. Y.—Nov. 10, by J. F. Flood, Supt. Supplies, lead encased cable, incl. 6,000 ft. of 6 conductor, in 2,000 ft. reels, and 8,000 ft. of 10 conductor in 2,000 ft. reels.

Asphaltic Cement, etc.—Brooklyn, N. Y.—Nov. 11, by J. A. Guider, pres. Brooklyn Boro Hall, 200,000 gal. asphaltic cement for sheet asphalt and bituminous concrete mixtures "A" in liguid form; 2,500 cu.yd. binder stone, 1,000 tons limestone, 3,000 cu.yd. asphalt sand, and 3,000 cu.yd. 1½ in. broken stone.

Sand, Paving Blocks, etc. — New York, N. Y.—Nov. 12, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 3,000 cu.yd. asphalt sand, 1,000 tons inorganic dust, 25,000 special 5 in. granite paving blocks, 2,000 cu.yd. binder stone and 250,000 gal. asphalt cement.

Cement — Mobile, Ala. — Dec. 1, by Alabama State Docks Comn., State Office Bldg., 54,000 bbl. Portland cement. W. I. Sibert, chn.; adv. E. N.-R. Nov. 5.

CONTRACTS AWARDED

Fuel Oil—Boston, Mass.—Supply Dept., City Hall, 5,461,000 gal. heavy fuel oil, to Petroleum Heat & Power Co., 100 Boylston St., $0.048 per gal. This corrects report in Oct. 22 issue.

Broken Stone—Long Island City, N. Y.—M. J. Shugrue, acting pres. Queens Boro. Queens Subway Bldg., 3,450 cu.yd. broken stone, for Bureau Highways, to Peace Bros., Inc., 20 Main St., Flushing, $9,971. Noted Oct. 29.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Nov. 16.

Road Work

STATE OF NEW JERSEY
STATE OF HIGHWAY COMMISSION
Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Construction of Route No. 5, Section No. 18, Dover Cutoff, in the County of Morris. Estimated 28,430 cu. yds. earth excavation; 300 cu. yds. rock excavation; 21,374 sq. yds. eight-inch double line reinforced concrete pavement.

Bids for the above will be received at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, November 16, 1925, at twelve o'clock (12:00 Noon) Standard Time and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, Room 901, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the 1924 specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and the name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

OFFICIAL PROPOSALS

Bids: Dec. 2.

Sewerage, Waterworks and Drainage Construction for 1926

New Orleans, La., Oct. 3, 1925.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock, noon, of Wednesday, December 2nd, 1925, for furnishing labor and material on a percentage basis for sewerage, waterworks and drainage construction, during the year 1926.

Specifications and blank proposal forms may be obtained at the office of the Board, No. 526 Carondelet Street, New Orleans, Louisiana.

The right is reserved to reject any, or all bids.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.

OFFICIAL PROPOSALS

Bids: Nov. 24.

Concrete Arch Bridge, etc

Palatka, Fla.

SEALED PROPOSALS for a REINFORCED CONCRETE BRIDGE, a steel lift span, and an earth filled causeway, for the Putnam County Memorial Bridge about 4,200 feet long across the St. Johns River at Palatka, Florida will be received at the office of the Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Florida, at Palatka, Florida, until ten o'clock a. m. of the twenty-fourth day of November 1925, and at that time and place will be publicly opened and read.

Each bidder shall file with his bid a surety company bond, executed by a surety company authorized by the State of Florida to do a surety business in this state, in an amount equal to the bid and guaranteeing the execution and complete performance of the contract if awarded, upon such bidders proposal.

Form of contract, plans and specifications may be examined at the office of the Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Florida, in Palatka, Florida.

Form of contract, copies of plans and specifications may be had from the above Trustees for $25.00; which $25.00 will be returned when the plans and specifications are returned intact, provided they are not retained more than three months.

The right is reserved to reject any or all bids, in the discretion of said Bond Trustees.

BOND TRUSTEES FOR A SPECIAL ROAD AND BRIDGE, DISTRICT NUMBER SEVEN, OF PUTNAM COUNTY, FLA.

By J. W. HART,
Secretary.

CONSTRUCTION NEWS

Engineering News-Record, Nov. 12, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Irrigation, Texas, Cotulla-La Salle Co. plan bond election, $7,331,000.

Office, Chicago, Ill., H. Goldstine, et al, having plans prepared, $5,500,000.

Court house, Milwaukee, Wis., Milwaukee Co. having preliminary plans made, $5,000,000.

Schools, Houston, Tex., Bd. of Educ. voted $4,000,000 for new schools, etc.

Medical, New York, N. Y., E. Lignate having sketches made, $4,000,000.

Sewers, Akron, O., voted bonds for $3,500,000.

Subway tunnel, New York, N. Y., Bd. Transportation making plans, $3,000,000.

Hospital, Chicago, Ill., Comrs. of Cook County had plans prepared, $2,500,000.

Bridge, Pennsylvania, Lancaster Co. and York Co. voted bonds, $1,500,000.

Road work, Tyler, Tex., Smith Co. making preliminary plans, $1,500,000.

Water works extension, Fort Worth, Tex., plans bond election, $1,500,000.

Street work, Nashville, Tenn., plans bond election, $1,500,000.

Reservoir, Mossyrock, Wash., Cowlitz, Cascade & Chehalis Ry. Co. plans reservoir, $1,500,000.

Medical Arts, Fort Worth, Tex., Tarrant Co. had preliminary plans prepared, $1,500,000.

Apartment, Philadelphia, Pa., B. Shulman, archt., made plans, $1,500,000.

Nurses' home, New York, N. Y., Mt. Sinai Hospital having plans prepared, $1,500,000.

Bids Wanted On Big Jobs

Office, Detroit, Mich., Nov. 24, A. Kahn, archt., $2,500,000.

Storage warehouse, Gulfport, Miss., Bonded Warehouse & Storage Co. soon takes bids, $2,000,000.

Storm and sanitary sewers, West Palm Beach, Fla., city takes bids early in Dec., $1,750,000.

Office, Chicago, Ill., F. D. Chase, Inc., archts., soon takes bids, $1,200,000.

Large Contracts Let During Week

Theatre, New York, N. Y., Roxy Theatre to Chanin Contr. Co., $5,000,000.

Hotel, Los Angeles, Calif., Hotel Holding Co. to Trewitt & Shields, $3,500,000.

Apartment hotel, New York, N. Y., Hess & Kahn will build, work done by separate contracts, $3,000,000.

Hotel, Pass Christian, Miss., Edgewater Beach Co. to B. Marshall and J. W. Billingsley, $2,000,000-$3,000,000.

Blast furnace, St. Louis, Mo., St. Louis Coke & Iron Co. to P. Conley Co., $2,000,000.

Street improvement, Chicago, Ill., to Mid-Continent Constr. Co., $1,849,504.

Repair shop, Coney Island, N. Y., Bd. of Transportation to P. J. Carlin Constr. Co., $1,700,000.

Factory, Riverside, Calif., Soda Potash Products Co. to Union Eng. Co., $1,250,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Nov. 13	Brooklyn, N. Y.	Nov. 5
Nov. 13	St. George, N. Y.	Nov. 5
Nov. 14	Cleveland, O.	Nov. 5
Nov. 16	Appleton, Wis.	Nov. 12
Nov. 17	Holly Hill, Fla.	Nov. 5
Nov. 17	Toronto, Ont.	Nov. 12
Nov. 17	Welsh, La.	Nov. 12
Nov. 17	West Hickory (sta. Hickory), N. C.	Nov. 12
Nov. 18	Baltimore, Md.	Nov. 12
Nov. 20	Bend, Ore.	Nov. 5
Nov. 23	Mankato, Minn.	Nov. 12
Nov. 23	Eugene, Ore.	Nov. 12
Nov. 24	Lexington, S. C.	Oct. 29
Nov. 24	Tampa, Fla.	Oct. 29
Nov. 24	Bryan, Tex.	Nov. 12
Nov. 30	Pierce City, Mo.	Nov. 12
Jan. 12	Toronto, Ont.	Nov. 12
	SEWERS	
Nov. 16	Hamilton, Ont.	Oct. 15
Nov. 16	Little Falls, N. J.	Oct. 22
Nov. 16	Waterloo, Ia.	Nov. 12
Nov. 16	Milwaukee, Wis.	Nov. 12
Nov. 16	Detroit, Mich.	Nov. 12
Nov. 17	Billings, Okla.	Nov. 12
Nov. 17	Holly Hill, Fla.	Nov. 12
Nov. 17	St. Louis, Mo.	Oct. 22
Nov. 17	St. Louis, Mo. Adv. Oct. 29 to Nov. 12.	Oct. 29
Nov. 17	West Hickory (Sta. Hickory), N. C.	Oct. 29
Nov. 17	Maryland	Nov. 5
Nov. 17	Milwaukee, Wis.	Nov. 12
Nov. 18	Baltimore, Md.	Nov. 12
Nov. 18	Cleveland, O.	Nov. 12
Nov. 24	Louisville, Ky. Adv. Oct. 29 and Nov. 12	Oct. 29
Dec. 2	New Orleans, La. Adv. Oct. 8 to Nov. 12.	Oct. 8
	BRIDGES	
Nov. 16	New Jersey	Oct. 29
Nov. 17	St. Catherine, Ont.	Oct. 29
Nov. 18	Bronxville, N. Y. Adv. Oct. 29 to Nov. 12.	Oct. 29
Nov. 19	Long Beach, Calif.	Oct. 29
Nov. 20	Jacksonville, Fla. Adv. Nov. 12.	Nov. 12
Nov. 23	Houston, Tex.	Nov. 12
Nov. 23	Wichita Falls, Tex.	Nov. 12
Nov. 24	Wisconsin Adv. Nov. 12.	Nov. 12
Nov. 24	Virginia Adv. Nov. 12.	Nov. 12
Nov. 24	Palatka, Fla.	Nov. 5
Nov. 24	Michigan	Nov. 12
Nov. 25	Winfield, Kan.	Nov. 12
Nov. 27	Chicago, Ill.	Nov. 12
Nov. 30	New Jersey and Pennsylvania Adv. Nov. 12.	Nov. 12
Nov. 30	New Jersey Adv. Nov. 12.	Nov. 12
Dec. 1	Washington	Oct. 29
Dec. 3	Stockton, Kan.	Nov. 12
Dec. 12	Smithville, Tenn.	Nov. 12
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR	
Nov. 17	Tarkio, Mo.	Nov. 5
Nov. 17	Seagirt, N. J.	Nov. 12
Nov. 19	Osceola, Ark.	Nov. 5
Nov. 20	Osceola, Ark.	Nov. 5
Nov. 23	Brockton, Ill.	Nov. 5
Nov. 23	Worthington, Minn.	Nov. 12
Nov. 24	Louisiana	Oct. 15
Nov. 24	Ontario	Oct. 29
Dec. 8	Stuart, Fla. Adv. Nov. 5 and 12.	Nov. 5
Dec. 15	Mobile, Ala. Adv. Oct. 22 to Nov. 12.	Oct. 22
Jan. 1	Brownsville, Tex.	Oct. 1
	STREETS AND ROADS	
Nov. 15	Madison, Ind.	Oct. 1
Nov. 15	Anderson, Ind.	Nov. 12
Nov. 16	Garber, Okla	Nov. 12
Nov. 16	Salina, Kan.	Nov. 5
Nov. 16	New Jersey	Oct. 29
Nov. 16	Sanford, Fla.	Oct. 22
Nov. 17	Holly Hill, Fla.	Nov. 5
Nov. 17	Louisiana	Oct. 29
Nov. 17	Salina, Kan.	Oct. 29
Nov. 17	Waycross, Ga.	Nov. 5
Nov. 17	Hobart, Okla.	Nov. 12
Nov. 17	Canton, Ga.	Nov. 12
Nov. 17	Saluda, N. C.	Nov. 12
Nov. 17	Massachusetts	Nov. 12
Nov. 17	Rushville, Ind.	Nov. 12
Nov. 18	Midland, Ont.	Nov. 12
Nov. 19	North Dakota	Nov. 12
Nov. 19	Long Island City, N. Y.	Nov. 12
Nov. 19	Fessenden, N. D.	Nov. 12
Nov. 20	Paola, Kan.	Nov. 12
Nov. 20	Fort Worth, Tex.	Nov. 12
Nov. 23	Fort Worth, Tex.	Nov. 12
Nov. 23	Michigan	Nov. 12
Nov. 23	Forest Park, Ill. Adv. Nov. 12.	Nov. 12
Nov. 24	Louisiana	Oct. 8
Nov. 24	Birmingham, Ala.	Oct. 29
Nov. 25	Rhode Island Adv. Nov. 12.	Nov. 12
Nov. 25	Webster Springs, W. Va. Adv. Nov. 12.	Nov. 12
Dec. 1	Louisiana	Nov. 12
Dec. 1	Gulfport, Miss.	Nov. 12
Dec. 3	Louisiana	Nov. 12
Dec. 4	Duluth, Minn.	Nov. 5
Dec. 4	Huntsville, Tex.	Nov. 12
Dec. 7	Kentucky	Oct. 29
Dec. 7	Morgantown, W. Va.	Oct. 29
Dec. 7	Pennsylvania Adv. Nov. 12.	Nov. 12
Dec. 15	Tampa, Fla. Adv. Nov. 12.	Nov. 12
	BUILDINGS—INDUSTRIAL	
Nov. 16	Minneapolis, Minn.	Nov. 12
Nov. 17	Phila., Pa.	Nov. 12
	BUILDINGS—COMMERCIAL	
Nov. 15	Aurora, Ill.	Aug. 27
Nov. 15	Portsmouth, N. H.	Nov. 12
Nov. 16	Boise City, Okla.	Nov. 5
Nov. 16	Moore Haven, Fla.	Nov. 5
Nov. 16	Phila., Pa.	Nov. 12
Nov. 17	Hartford, Conn.	Nov. 12
Nov. 17	Eloise, Mich.	Nov. 12
Nov. 21	Nashville, Tenn.	Nov. 12
Nov. 24	Detroit, Mich.	Nov. 12
Nov. 25	Wash., D. C. Adv. Nov. 12	Nov. 12
Dec. 1	Youngstown, N. Y.	Oct. 22
Jan. 10	Duluth, Minn.	Oct. 29
	BUILDINGS—EDUCATIONAL, RELIGIOUS	
Nov. 16	Storrs, Conn.	Nov. 12
Nov. 17	Milmont (Ridley Park P. O.), Pa.	Nov. 12
Nov. 17	Bastrop, La.	Nov. 12
Nov. 20	Allentown, Pa.	Nov. 12
Nov. 23	Elmhurst, Ill.	Nov. 5
Nov. 25	Los Angeles, Calif.	Nov. 15
Dec. 1	Duluth, Minn.	Oct. 1
Dec. 2	Eloise, Mich.	Nov. 12

Bids Close — See Eng. News-Record

FEDERAL GOVERNMENT WORK

Nov. 16 Derrick Boat—Milwaukee, Wis. ....Oct. 15
Nov. 16 Addition — Fairmont, W. Va. ....Oct. 29
Nov. 16 Bank—Birmingham, Ala....Nov. 12
Nov. 17 Refrigerating Plant—Oteen, N. C. ....Oct. 29
Nov. 18 Boiler Plant Equipment — Wash., D. C. ....Nov. 5
Nov. 23 Post Office—Salt Lake City, Utah ....Nov. 5
Nov. 24 Remodeling—Shreveport, La. ....Oct. 29
Nov. 25 Storehouse—Puget Sound, Wash. ....Nov. 5
Nov. 25 Boiler Plant Equipment — Wash., D. C. ....Nov. 12
Adv. Nov. 5 and 12.
Nov. 25 Fence—San Francisco, Calif. ....Oct. 29
Nov. 27 Dredging—Galveston, Tex..Oct. 29
Adv. Oct. 29 to Nov. 12
Nov. 27 Dredging—Galveston, Tex. Nov. 5
Adv. Nov. 5 and 12.
Nov. 30 Institution — Alderson, W. Va. ....Oct. 29
Adv. Nov. 5 and 12.
Dec. 3 Gates—Nebraska ....Oct. 29
Dec. 7 Quarters—Sacket Harbor, N. Y. ....Nov. 12
Adv. Nov. 5 and 12.
Dec. 10 Work Boats — Memphis, Tenn. ....Nov. 12
Adv. Nov. 12.
Dec. 21 Dredging—Honolulu, T. H..Oct. 29
Adv. Oct. 29 and Nov. 12

UNCLASSIFIED

Nov. 17 Wharf—Victoria Beach, Man. ....Nov. 5
Nov. 17 Subway—New York, N. Y..Nov. 5
Nov. 18 Foundations, etc.—Phila., Pa. ....Nov. 12
Nov. 25 Borings, Piles, etc.—Albany, N. Y. ....Nov. 12
Dec. 1 Stadium—Columbia, Mo....Nov. 5
Dec. 3 Sanitary Work, etc.—Newark N. Y. ....Nov. 12
Adv. Nov. 5 and 12.
Dec. 3 Sanitary Work, etc.—Randall's Island (mail New York City, N. Y.) ....Nov. 12
Adv. Nov. 5 and 12
Dec. 8 Steel Supports—Wellington, New Zealand ....Oct. 1

MATERIALS

Nov. 17 Paving Blocks, etc.—Toronto, Ont. ....Nov. 12
Dec. 1 Cement—Mobile, Ala.....Nov. 5
Adv. Nov. 5 and 12.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Harrisburg — Dauphin Co. voted $90,000 bonds for water system and $100,000 bonds for Vocational Junior High School, both in Swarta Twp.

Fla., Sarasota—Election Nov. 16, $150,000 bonds, extending waterworks, incl. wells, reservoirs, pumps, etc.

Miss., Laurel — Making preliminary plans waterworks and distribution system. To exceed $15,000.

Miss., Picayune — Making plans waterworks and distribution system. $125,000. H. A. Mentz, Hammond, La., engr.

La., Columbia—Making surveys complete waterworks and distribution system. Approximately $90,000. Swanson-McGraw, Inc., Balter Bldg., New Orleans, engrs.

O., Canton — Plans developing new deep water well system in northeast section. $100,000. McCaskey & Reese, Genl. Del., engrs.

O., Youngstown—Republic Iron & Steel Co., plans completing reservoir incl. extension of mains, Jacksons Gulch, Dry Run Valley. $50,000.

Mich., Detroit—Bd. Water Comrs., plan 2,700 ft. 12 in. c.i. mains in Hubbel Ave.; 8 in. mains in 1,940 ft. St. Marys Ave., 2,905 ft. Manning Ave., 2,350 ft. Robinson Ave.; 6 in. mains in 12,801 ft. Wilcox Ave., 2,640 ft. Biltmore Ave., 2,100 ft. McCormick Ave., 1,290 ft. Penrode Ave., 1,335 ft. Manor Ave., 1,335 ft. Mendota Ave. G. A. Fenkell; 176 East Jefferson Ave., genl.. mgr.

Ill., Staunton — City Clerk rejected bids earth dam, concrete spillway and corewall, bridge intake, 4,000 sq.yd. brick paving top dam, 8,000 ft. 12 in. c.i. pipe, two 500,000 gal. filter units, steam heating plant, 200,000 gal. concrete reservoir, 100,000 gal. capacity tank on tower, two 600 g.p.m., two 500 g.p.m. and one 1,000 g.p.m. motor driven pumps, also 2 mi. transmission and telephone lines, etc. $200,000. Will readvertise. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engrs. Noted Oct. 22.

Ill., Warsaw—Takes bids about Dec. 1, 250 g.p.m. purification plant, incl. motor driven pumping equipment. $20,000. Edward Flad Co., 1312 Chemical Bldg., St. Louis, Mo., engrs.

Minn., Mantorville—Plans waterworks. $15,000. R. A. Meeker, village clk. Engineer not announced.

Mo., California—J. B. White, city clk., rejected bids 1,000 ft. deep well. $20,000. Noted Sept. 24.

Mo., Pierce City—See "Bids Desired."

Mo., Republic — Voted $65,000 bonds, waterworks and distribution system. Gantt-Baker Co., 1116 Main St., Oklahoma City, Okla., engrs. Noted Aug. 20.

Ark., Almyra—Making preliminary plans waterworks and distribution system, incl. pumping plant, tank on tower, distribution mains, etc. A. M. Lund, 528 Southern Trust Bldg., Little Rock, engr.

Tex., Corsicana — Election soon $300,000 bonds, waterworks, sewers and paving various streets. Engineer not announced.

Tex., Fort Worth—Election Nov. 24, $1,500,000 bonds water extensions. D. L. Lewis, city engr. Noted Aug. 6.

Tex., Hedley—Election Nov. 18, $48,500 bonds waterworks improvements, incl. 75,000 gal. tank on 120 ft. tower, transmission line, etc.

Tex., La Feria—Voted $300,000 bonds, waterworks. Engineer not announced.

Tex., Teague — Defeated $45,000 bonds waterworks improvemets. J. B. Hawley, 403 Cotton Exch. Bldg., consult. engr. Noted Oct. 15.

Okla., Tulsa — Made plans distribution system for Water Impvt. Dist 5, incl. 25 mi. 4- to 10-in. Matheson joint pipe. Holway Eng. Co., 503 Wright Bldg., engr.

Wash., Everett — City retained R. H. Thomson, consult. engr., Seaboard Bldg., Seattle, to make report for water system, incl. Flowing Lake reservoir $260,000; masonry dam, 600 ft. below present dam $200,000; and aqueduct replacements $21,000.

Wash., Mossyrock—Cowlitz, Cascade & Chehalis Ry. Co., Chehalis, R. W. Sweet, ch. engr., plans reservoir, 25,000 acre ft. capacity, on Cowlitz River, here. $1,500,000.

Calif., Elk Grove — Carroll School Dist. plans automatic pumping system, incl. 200 gal. capacity pressure tank, ¾ hp., 10-35 g.p.m. pump, etc.

Calif., Monterey Park—Plans reservoir for water system. $125,000.

Calif., Roseville — Election soon bonds to exceed $25,000, for water system. J. W. Meredith, city engr. Noted July 30.

Calif., Sacramento — See "Streets and Roads."

Calif., Ventura—Made plans 19,000 lin.ft. 4- to 10-in. c.i. mains in various streets. To exceed $25,000. C. W. Pierce, city engr. Noted June 18.

Calif., Wasco—Wasco Pub. Utility Dist. voted $75,000 bonds, water works. Noted Apr. 16.

Ont., Waterdown — Plans waterworks, incl. 75,000 imperial gal. tank, 6 and 8 in. mains, hydrants, etc. $35,000. R. Crooker, chn.

BIDS DESIRED

N. J., Belvidere—See "Sewers."

Md., Baltimore—Nov. 18, by Bd. Awards, 375 tons 12 in. 500 tons 16 in., and 2,100 tons 20 in. c.i. pipe and fittings to Bureau Water Supply. V. B. Siems, City Hall, water engr.

N. C., Saluda—See "Streets and Roads."

N. C., West Hickory (Sta. Hickory)—Nov. 17, by W. P. Austin, mayor, 24,000 lin.ft. 2- to 8-in. c.i. mains and 21,500 ft. 8- to 10-in. vitr. clay or concrete sewers, etc. in various streets. Carolina Eng. Co., Charlotte, engrs.

La., Welsh — Nov. 17, by City Clerk, waterworks and distribution system. $60,000. Noted Sept. 24.

Wis., Appleton — Nov. 16, by Water Comn., F. R. Morris, asst. secy., 1 or 2 chlorinating machines for waterworks plant.

Wis., Milwaukee—See "Sewers."

Wis., Portage—F. H. Kaiser, water comr., taking bids water meters in lots of 500.

Minn., Mankato — Nov. 23, by F. W. Rates, city clk., removing 3 pump units from old pump station; also furnish and install one 2,000 g.p.m. capacity high service unit, one 1,600 g.p.m. capacity low service unit and one 700 g.p.m. capacity turbine pump or one deep well impeller, etc. P. F. Comstock, city engr. L. P. Wolff, 502 Globe Bldg., St. Paul, consult. engr. Noted Oct. 29.

Mo., Pierce City—Nov. 30, by C. D. Peck, city clk., deep wells; and takes bids later 50,000 gal. reservoir and air lift pump.

Tex., Bryan—Nov. 24, by J. B. Miller, city mgr. waterworks improvements, incl. 400,000 gal. elevated steel tank, etc. $40,000. Noted Oct. 29.

Ore., Eugene—Nov. 23, by Water Bd., 3 m.g. covered reservoir, incl. 9,000 cu.yd. rock excav., 3,000 cu.yd. concrete and rock walls, and 650 cu.yd. concrete. Stevens & Koon, Spalding Bldg., Portland, engrs.

Ont., Toronto—Nov. 17, by T. Foster, chn. Bd. Control, City Hall, ¾ in. and 1 in service water meters listed in Tenders 65. R. C. Harris, city engr.

Ont., Toronto — Jan. 12, by T. Foster, chn. Bd. Control, City Hall, castings, valves, hydrants, etc., as listed in Tenders 66 to 72 (inclusive). $50,000. R. C. Harris, City Hall, engr.

BIDS RECEIVED

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Nov. 6, 30 in. steel main, etc. in Beach and North Channel Viaducts, Jamaica Bay Blvd., here, from Mid-West Constr. Co., 189 Montague St., Brooklyn, $581,760; and mains, etc. in various avenues, here, from Stanhy Constr. Co., Steinway Ave., $24,787. Noted Oct. 29.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Nov. 6, mains in South Ave. and Woodrow Rd., here, from Wataga Contg. Co., 308 Lenox Ave., New York City, $25,930. Noted Oct. 29.

N. J., Glen Gardner—State Institutions & Agencies, Trenton, B. G. Lewis comr., 200,000 gal. steel tank on 100 ft. c.i. tower, and 2 new pumps, etc., New Jersey Sanatorium for Tuberculosis, here, from Hellings & Barns, 151 East 21st St., New York City, N. Y., $39,840. This corrects report in Nov. 5 issue.

La., Kenner—City, Oct. 29, from J. B. McCrary Co., Citizens & Southern Bldg., Atlanta, Ga., new waterworks improvements, Div. **(1)** $28,916 **(4)** $37,750 **(5)** $15 per cu.yd. **(8)** $15 per cu.yd. **(11)** $4,000; from Dixie Mill Supply Co., 901 Tchoupitoulas St., New Orleans, **(2)** $4,092; from Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., **(7)** $4,935; from Anderson Fdry. & Machine Wks., New Orleans, **(3)** $15,995; from H. A. Forest, 918 Short St., New Orleans, **(6)** $10,596, alternate $7,935 **(9)** $8,795; from James Constr. Co., Bd. Alderman, Kenner, **(10)** $10,000 and **(12)** $2,500; also from Caldwell Bros., 816 Howard Ave., New Orleans, entire work, $104,500. Noted Oct. 22.

Wis., Milwaukee — Central Bd. Purchases, Oct. 30, 12 tons special castings for Water Dept., from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Bldg., Chicago, Ill., at $104.90 per ton.

Kan., Kansas City — G. T. Darby, city purch. agt., Oct. 22, purification plant, 10 new filters, 13 m.g. capacity, from Wyatt & Barcus, 25 Stubb Bldg., $276,000. Noted Aug. 6.

Pa., Phila.—Bd. Pub. Wks., Bureau of Water, constructing Oak Lane Pumping Station, Contr. 775, to Kober Constr. Co., 34 South 17th St., $19,676; 3 motor driven centrifugal pumps for Oak Lane Booster Station, Contr. 776, to Acme Machine Co., 316 North 17th St., $16,824; piping for same, to Dravo Doyle Co., Schaff Bldg., $12,760. Grand total $49,260. Noted Oct. 22.

CONTRACTS AWARDED

N. J., Perth Amboy—Water Comrs. various size mains, etc., to Little & Pfeiffer, 149 New Brunswick Ave., $15,282.

O., Cleveland—Comrs Cuyahoga Co., 16,000 ft. 6 and 10 in. c.i. mains in Hollywood Dr. and Ridge Rd., to Hanna & Michael Constr. Co., 2457 West 55th St., $39,562. Noted Oct. 15.

O., West Jefferson—For 22,619 ft. 6 in., 2,100 ft. 4 in., and 1,140 ft. 8 in. mains in various streets, to Fike Constr. Co., Zanesville, approximately $75,000. Noted Sept. 17 under "Columbus, O."

O., Willowick—For 21,050 ft., 6- to 12-in. c.i. mains in various streets, to Lloyd Contg. Co., Xenia, $51,055.

Mich., Birmingham—H. E. Lawler, village clk., 300,000 gal. steel water tank, to Chicago Bridge & Iron Wks., 2105 Old Colony Bldg., Chicago, Ill., $24,200; drilling well approximately 180 ft. deep, 18 in. diam., and installing pump, etc. with 1 m. g. per day capacity, to Harmon-Ness Co., Indianapolis, Ind; $15,350. Noted Oct. 8.

Ill. Litchfield—Bd. Local Impvts., 6 mi. 4- to 8-in. mains, 34 hydrants, 65 gate valves, etc., to Merkle Contg. Co., 100 Davidson Bldg., Kansas City, Mo., $68,500. Noted Sept. 24.

Waterworks (Continued)

Minn., Alexandria—H. S. Campbell, city clk., 1,750 ft. 16 in. cast and riveted iron pipe between municipal power plant and Lake Agnes, to Ft. Dodge Boiler Wks., 307 2nd Ave. S., Fort Dodge, Ia., $19,000. Noted Oct. 22.

Neb., Grand Island—Concrete reservoir, chimney for power plant, etc., to E. Rokhar, 1743 South 24th St., Lincoln; and installing pumps, to Commonwealth Electric Co., 417 Bway., St. Paul, Minn. About $300,000. Noted Oct. 15.

Mo., Malden—For 2 mi. 4 and 6 in. mains and deep wells, to F. M. Luth, 3000 Shenandoah Ave., St. Louis, $16,500; pumps, generator, etc., to Baumes & McDewitt, Mchy. Co., Ry. Exch. Bldg., St. Louis, approximately $31,500. Noted Oct. 1.

Mo., Piedmont—City Council, 4,920 ft. 2 in galvanized and 24,535 ft. 4- to 8-in. c.i. mains, 26 gate valves, 100,000 gal. concrete reservoir, two 150 g.p.m. pumps, etc., to Queal Constr. Co., Mayfield, Ky. $43,817; electrical chlorinator equipment, to Wallace & Tiernan Cox, Inc., 1 Mill St., Newark, N. J. Noted Oct. 1.

Mo., Sedalia—City Water Co., improving station building, to W. Hocker, Sedalia, $15,000; machinery, pumps, boilers, etc., to Allis Chalmers Co., Ry. Exch. Bldg, Heine Boiler Co., 5319 Marcus St., and Reeves & Skinner, 2211 Olive St., all in St. Louis, total $60,000; and finishing installation feeder mains with own forces, $50,000. Grand total $125,000. Noted Oct. 29.

SEWERS—TAYLORVILLE, ILL.

Following are lowest three bids opened by Bd. Trustees Taylor Sanitary District, Sept. 17, for outfall sewers and sewage treatment plant, (A) Gjellefald-Chapman Construction Co., Forest City, Ia., (awarded contract); (B) Craig Construction Co. 1431 41st St., Des Moines, Ia.; (C) C. M. Haynes, Jerseyville, Ill. The unit bids are as follows:

		A	B	C
1,450 lin.ft. 72-in. sewer pipe..	A. monolithic	C $17 00	A $20 00	B $22 00
			B 17 00	C 20 00
			C 17 00	
1,300 lin.ft. 54-in. sewer pipe..	B concrete pipe	C 11 00	A 15 00	B 17 00
	C segment black		B 13 50	C 15 00
			C 13 50	
8,380 lin.ft. 18-in. vitrified pipe sewer		2 25	1 85	1 90
36 lin.ft. 18-in. cast iron pipe sewer		6 00	6 00	10 00
55 ft. of depth, standard manholes on 72-in. sewer	..	A 10 00	A 8 00	A 8 00
	.	B 10 00	B 7 00	B 7 00
15 ft. of depth, standard manholes on 54-in. sewer	A concrete	A 10 00	A 8 00	A 8 00
	B brick	B 8 00	B 7 00	B 8 00
150 ft. of depth, standard manholes on 18-in. sewer	..	A 6 00	A 8 00	A
	..	B 6 00	B 6 00	B 7 00
1 drop manhole		30 00	80 00	12 00
4 standard manhole frames and covers, A		20 00	17 00	30 00
27 standard manhole frames and covers, B		14 00	12 50	18 00
Panther Creek Crossing (lump sum)		1,366 00	700 00	1,500 00
Headwall, A (lump sum)		300 00	450 00	600 00
Headwall, B (lump sum)		125 00	125 00	120 00
Diversion Chamber, (lump sum)		206 00	500 00	500 00
Grit chamber (lump sum)		1,072 00	1,020 00	1,200 00
Imhoff tank (lump sum)		23,036 00	25,000 00	14,700 00
Sludge bed (lump sum)		2,572 00	2,800 00	2,700 00
25 cu.yd. additional excavation		4 00	1 00	2 50
25 cu.yd. additional concrete, class B		25 00	20 00	20 00
Fencing (lump sum)		50 per ft.	840 00	3,600 00
Extended totals		$90,381	$91,755	$92,438

Sewers

PROPOSED WORK

Pa., Lebanon City—Voted $115,000 bonds addition to sewage disposal plant and sewers in various streets.

Fla., West Palm Beach — Takes bids early in December, storm and sanitary sewers in various streets. $1,750,000. T. B. Henry, city engr.

Tenn., Nashville — Election Dec. 17, $1,000,000 bonds, sanitary sewers in various streets. W. W. Southgate, city engr.

O., Akron — Voted $3,500,000 bonds, sewers in various streets. E. A. Tiesloft, city engr. Noted January 8.

O., Carrollton — Plans sewage disposal plant adequate to meet towns requirements for next 10 to 20 years. $50,000. W. Lambright, Genl. Del., head Bd. Pub. Affairs.

Mich., Detroit—Made plans 2 ring, brick and vitr. sewer, 1,000 ft. 12- to 20-in. in Lateral Sewer 4222 between Wyoming, Wisconsin, Morley and Violetlawn Ave.; 869 ft. 15- to 24-in. Lateral 4487, in Tractor and Greyfriars Aves., north of Fort St.; 10,563 ft. 12- to 24-in. Lateral 4468 in Myers, Birwood, Puritan and Auburn Sts., and 1,134 ft. Lateral 4495 between Jennings, Monnier, Tyler, and Grand River Aves.; 1,586 ft. 12- to 18-in. in Lateral 4488, in Robson Ave. from Schoolcraft to Grand River Aves., 1,620 ft. Lateral 4497 between Houston, Evarts, Evanston and Robinwood Aves., and 816 ft. Lateral 4501 between Cass, Woodward, Warren and Putman Aves. P. A. Fellows, City Hall, engr.

Ill., Bloomington—City and Normal Sanitary Dist. take bids in January or February sewage disposal plant, etc. $700,000 bonds voted. Taylor & Woltman, Unity Bldg., engrs. Noted Aug. 13.

Minn., St. Paul—See "Unclassified."

S. D., Sioux Falls — Election Nov. 24, $600,000 bonds, sewage disposal plant. A. A. Chenoweth, 314 Paulton Blk., engr.

Tex., Alice—See "Streets and Roads."

Tex., Corsicana—See "Waterworks."

Tex., Dallas—Dalton & Parker, engrs., Wilson Bldg., soon take bids sewer to serve Irwindell, incl. 12,500 ft. vitr. pipe, for City. $20,000-$30,000.

Tex., Ennis—Takes bids about Jan. 1, extending sewerage system, incl. 8,000 ft. vitr. pipe, 2 filter beds, Imhoff tanks, etc. $40,000. H. McCanless, Ennis, city engr.

Tex., Ft. Worth—Election Nov. 24, $1,800,000 bonds sanitary sewers and $330,000 bonds storm sewers in various streets. D. L. Lewis, city engr.

Tex., La Feria—Voted $200,000 bonds, sewers in various streets. Engineer not announced.

Tex., Pharr — Voted $45,000 bonds sanitary sewerage system. P. Devine, Pharr, engr. Noted Oct. 29.

Okla., Chickasha — Making preliminary plans 7,000 ft. 72 in. segmental block sewers in Iowa and Dakota Sts. $45,000. R. O. Bradley, Chickasha, engrs.

Wash., Seattle—Bd. Pub. Wks., making surveys sewerage system, incl. proposed intercepting system carrying all sewage now dumped into Lake Washington. Plans probably $4,500,000 bonds election for same. J. D. Blackwell, city engr. Noted Aug. 20.

Calif., Fillmore—Plans sewerage system. $75,000 or more.

Calif., Los Angeles—Making plans Sect. 1 Jefferson Storm Drain, approximately 7½ mi. varying from 12 in. pipe to 11 x 10 ft. box section. L. R. Armstrong, South City Hall Annex, city storm drain engr.

Calif., Roseville — City Trustees take bids about Nov. 18, extending sanitary sewerage system, sewerage pumping plant complete, etc. To exceed $25,000. J. W. Meredith, city engr.

Calif., Ventura—Making plans 11,378 lin. ft. 15- to 24-in. trunk line sewerage system, enlarging present disposal plant, etc. C. W. Pierce, city engr. Noted June 18.

Ont., Bowmanville—Plans 1½ mi. 8 in. vitr. clay sewer from here to Boys School. $25,000. F. C. Palmer, Town Hall, engr.

B. C., Vancouver—Election Dec. 19, $200,000 bonds, sewers in various streets. C. Brachenridge, City Hall, engr.

BIDS DESIRED

N. J., Belvidere — Sunbury Converting Wks., Sunbury Pa., taking bids sewage disposal plant and water works, at factory, here. O. Wandel, c/o owners, engr.

Md., Baltimore—Nov. 18, by Bd. Awards, 36,100 ft. 6- to 24-in. vitr. terra cotta sewers, listed in Material Contr. 56, for Bureau of Sewers. M. J. Ruark, 311 Courtland St., sewerage engr.

N. C., West Hickory (Sta. Hickory)—See "Waterworks."

N. C., Saluda—See "Streets and Roads."

Miss., Gulfport—See "Streets and Roads."

O., Cleveland — Nov. 18, by City, Big Creek Intercepting Sewer (Sect. 1), from West 38th to West 50th Sts., Rocky River Dr. (2 sections) and West 37th St. To exceed $50,000. R. Hoffman, City Hall, engr.

Mich., Detroit—Nov. 16, by Dept. Pub. Wks., monolithic concrete or brick sewers in 2,542 ft. Bedford Rd. Sewer, in Whittier Ave. from Somerset to Whitehill Aves.; 1,949 ft. Southampton Avenue Arm East, Bedford Rd. Sewer, in Southampton Ave. from Bedford to Kensington Aves.; 4,583 ft. Schoenherr Rd. Arm Ashland Ave. Sewer, in Seven Mile and Schoenherr Rds.; 2,635 ft. Lyndon Ave. Arm, in Lyndon Ave. between Cheyenne and Birwood Aves.; 2,671 ft. Six Mile Rd. Sewer, Sect. 10, in Six Mile Rd. from Wyoming Ave. to Myers Rd.; 2,653 ft. Houston Ave. Arm W. Ashland Ave. Sewer in Houston Ave. from Haynes to Chalmers Aves.; 1,427 ft. Seven Mile Rd. Sewer, Ashland Ave. Sewer, in Seven Mile Rd. from Chalmers to MacCrary Aves.; 2,090 ft. State Fair Ave. Arm, Gallagher Ave. Sewer in State Fair Ave. from Gallagher Ave. to Ryan Rd.; 1,753 ft. Gallagher Ave. Arm, Seven Mile Rd. Sewer, in Gallagher Ave. from State Fair to Winchester Aves.; 2,456 ft. Winchester Ave. Arm, Gallagher Ave. Sewer, in Winchester Ave. from Gallagher Ave. to Ryan Rd. and from Gallagher to Mitchell Aves. P. A. Fellows, city engr. Noted Sept. 24, Oct. 1 and 8.

Wis., Milwaukee—Nov. 16, by Dept. Pub. Wks., sewer and water connections in 12 streets. $26,000. R. E. Stoelting, comr. Pub. Wks.

Wis., Milwaukee—Nov. 17, by Dept. Pub. Wks., vitr. and rein.-con. sewers in 12 streets. $55,000. J. Schwada, city engr.

Ia., Waterloo—Nov. 16, by City Clerk, 1,534 lin.ft. 8 in. and 1,602 lin.ft. 10 in. sewer pipe. R. B. Slippy, city engr

Tex., Jacksonville—Taking bids sewerage treatment and disposal plant. $65,000. L. Fugate, City Hall, Houston, engr.

Okla., Billings—Nov. 17, by F. F. Daniel, city clk., sewage disposal plant, and 25,069 ft. 8- to 12-in. sewers, etc. in all streets. $36,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

BIDS RECEIVED

Md., Baltimore — Bd. Awards, Nov. 4, storm drains and sanitary sewers listed in Contr. 224, from P. Marocco, 638 South Linwood Ave., $123,991. Noted Oct. 29.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Nov. 4, main sewer in 43rd St. at Spruce St., from J. J. McHugh, 1617 Race St., $21,850; and heating equipment in connection with Southwest Sewage Pumping Station, Penrose Ferry and Tinicum Island Rds., from Bulman Bros., 2501 North 5th St., $4,326.

O., Cleveland—A. K. Hoare, comr. Purchases & Supplies, Oct. 28, Sanitary Sewage Treatment Works, incl. intercepting sewers from Schirmer-O'Hara Co., 1710 Euclid Ave., monolithic concrete (unofficial) $3,040,078, brick arch (unofficial) $3,069,278, excluding intercepting sewers, from M. Penker & Sons, 123 Velincia St., Cincinnati, (unofficial) $2,859,113; intercepting sewers, monolithic concrete, from Graham & Henderson Co., Cleveland, (unofficial) $220,695, brick arch, from W. P. Gibbons Constr. Co., Cleveland, (unofficial) $221,858. Noted Oct. 1.

Wis., Milwaukee—Dept. Pub. Wks., Nov. 3, from J. Brogan & Sons, 211 Grand Ave., vitr. or concrete storm or sanitary sewers in Atkinson Ave. between 21st and 22nd Sts. $895, from H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, Grand Ave. between 52nd and 53rd Sts. $1,886, and Lisbon Ave. between 51st and 60th Sts. $15,499; from W. T. Werner, 675 Hi-Mount Blvd., 8- to 21-in. vitr. or concrete sewers in Chambers St. $1,761, Clark St. between 52nd and 59th Sts. $2,012, and 55th St. between Wright and Burleigh Sts. $12,744; from P. & L. Co., 1107 Humboldt Ave., vitr. or concrete combination sewer in Center St. between 51st and 52nd Sts. $309; and from Clayton Constr. Co., 929 Hackett Ave., 42 and 48 in. monolithic concrete, 24- to 36-in. rein.-con. and vitr. or concrete sewers in Burleigh St. between 52nd and 60th Sts. $34,419.

CONTRACTS AWARDED

N. Y., Glen Cove—City Clerk, sewer extensions in various streets, Contr. 1, to Underhill & Son, Glen Cove, $100,696; Imhoff tanks, chlorine building, etc., Contr. 2, to Merritt, Chapman & Scott, 17 Battery Pl., New York City, $71,860; pumping station, Contr. 3, to F. M. Lewis & Sons, Bloomfield, N. J., $82,830. Grand total $255,386. Noted Oct. 29.

Mich., Detroit — To Detroit Drainage Constr. Co., 5099 LaMay Ave., 9,469 ft. 12- to 24-in. vitr. Lateral 4469, $44,455; to S. Fattore, 2201 St. Joseph Ave., 858 ft. 18- to 24-in. Lateral 4493, $4,355; to

Sewers (Continued)

Waterway Constr. Co., Detroit, 855 ft. 18- to 24-in. Lateral 4494 $4,293, 6,218 ft. 12- to 20-in. Lateral 4510 $16,989; and 2,048 ft. Lateral 4511 $8,617; to Michigan Constr. Co., Detroit, 2,842 ft. 12- to 15-in. Lateral 4498 $7,876; to J. Brogan & Sons, Detroit, 5,711 ft. 12- to 24-in. Lateral 4499, $33,123; to J. Leo, 1762 Puritan Ave., 1,486 ft. 12- to 20-in. Lateral 4500 $5,925, and 414 ft. 12 in. Lateral 4512 $1,325; to Louwers & Sommerville, 8014 Grand River Ave., 823 ft. 12- to 15-in. Lateral 4509, $2,230. Grand total $129,188.

Ill., Venice—Sanitary sewerage system and pumping station equipped with 17,000 and one 19,000 g.p.m. capacity motor driven pumps, to Moore Bros. Constr. Co., 925 North 8th St., East St. Louis. Engrs. est. $210,000. Noted July 9.

Wis., Milwaukee—Metropolitan Sewerage Comn., 508 Market St., J. H. Fowles, secy., two 600 gal. ejector pots for booster station, Fairmont Ave., to Yeomans Bros. Co., 1433 Dayton Ave., Chicago, Ill., $10,830. Noted Oct. 29.

Tex., Archer City — Complete sewerage system, to Douglas & Mitchell, Ward Bldg., Wichita Falls, approximately $25,000.

Okla., Tulsa — Extending 6,685 ft. vitr. clay sanitary sewers in 18th St., City View Addition and Fair Acres Addition, to E. G. Fike, Nebraska Bldg., $15,648. Engrs. est. $29,143. Noted May 28.

Waste Disposal

PROPOSED WORK

N. J., Deal—Boro plans incinerator plant. $35,000. A. J. Bach, mayor. Engineer not selected.

Tenn., Nashville—Election Dec. 17, $200,000 bonds, garbage disposal plant, etc. H. E. Howse, mayor.

Tex., Ft. Worth—Election Nov. 24, $71,000 bonds, new incinerator plant. D. L. Lewis, city engr.

Okla., Tulsa — Plans election $109,000 bonds, incinerator, on Elwood Ave.; and $75,000 bonds, incinerator plant, on East 11th St. C. Schultz, city engr.

Bridges

PROPOSED WORK

Conn., Manchester — Making plans new rein.-con. bridges on Spring and Gardner Sts.; also widening bridge, 15 ft. at North Main St. To exceed $25,000. Address Town Engineers.

N. J., Belvidere—See "Buildings—Industrial."

Pennsylvania—Lancaster Co. (Lancaster) and York Co. (York) voted each $1,500,000 bonds for Inter County Bridge over Susquehanna River on Lincoln Highway.

North Carolina—State Hy. Comn., Raleigh, plans rein.-con. bridges and culverts on Project 203, Carteret Co., $500,000; on Project 664, Richmond Co., $45,000; on Project 755, Stokes Co., $50,000; and on Project 348, Cumberland Co., $26,000. C. M. Upham, highway engr.

Fla., Clearwater — Pinellas Co. election Nov. 13, $50,000 bonds for Bridge 2, Blind Pass; $90,000 bonds, Bridge 3, John's Pass; and $150,000 bonds, Bridge 1, Boca Ciega. K. B. O'Quinn, Clearwater, clk.

Tenn., Nashville—Election Dec. 17, $200,000 bonds, strengthening and repairing Woodland St. and Sparkman St. Bridges; and $400,000 for viaduct at Demonbreun St. W. W. Southgate, city engr.

Mich., Port Huron — Chicago, Detroit & Canada Grand Trunk R.R. Co., subsidiary Canadian Natl. Rys., New Union Station, Toronto, plans 80 ft. span bridge with approaches over Black River, at Junction R.R., here. $250,000. C. B. Brown, Quebec, Que., ch. engr.

Minn., Little Falls—Making plans new steel and concrete bridge over Mississippi River, at north end of city. $45,000. A. Johnson, city clk.

Minn., Minneapolis—Making plans rein.-con. bridge over railroad tracks between Dean and Cedar Lake Blvds. $104,280.

Kan., Concordia — See "Streets and Roads."

Kan., Mankato — See "Streets and Roads."

Kan., Marion—Marion Co. making preliminary plans 120 ft. steel truss bridge on concrete piers and abutments, with 20 ft. roadway on Cottonwood Rd. C. M. Hartsock, Court House, engr.

Kan., Seneca—Nemaha Co. plans Bridge 1, two 20 ft. I-beam and one 60 ft. truss spans with 20 ft. roadway; also Bridge 2, two 20 ft. I-beam and one 60 ft. truss spans with 20 ft. roadway, both over Nemaha River, on Federal Aid Project 225-C. E. C. L. Wagner, 609 Kemper Bldg., Kansas City, Mo., engr.

Neb., Gibbon — Buffalo Co., c/o County clerk, Kearney, plans long bridge with long approaches over Platte River, here. R. L. Cochran, Lincoln, highway engr.

Tex., Anderson—See "Streets and Roads."

Tex., Brownsville — See "Streets and Roads."

Tex., Cuero—See "Streets and Roads."

Tex., Ft. Worth—Election soon $70,000 bonds new bridges. D. L. Lewis, city engr.

Tex., Ft. Worth—Tarrant Co. plans new bridge between here and Arlington Heights (mail Ft. Worth). $160,000. D. A. Davis, Fort Worth, co. engr.

Tex., Jourdanton — See "Streets and Roads."

Tex., Kaufman—See "Streets and Roads."

Tex., San Antonio—Making preliminary plans steel and concrete bridge across San Antonio River, on Villita St. $30,000 or more. I. Ewig, City Hall, city engr.

Okla., Lawton — Comanche Co. takes bids about Nov. 25, Bridge 31 Mile 10, Sect. 53, 80 ft. low truss steel span with one 30 ft. and one 40 ft. approach spans, tube, piers and concrete abutments; Bridge 30, Mile 3, Sect. 53, 30 ft. I-beam and concrete abutments; Bridge 53, Mile 7, Sect. 56, 32 ft. I-beam span, concrete abutments; Bridge 26, Sects. 12 and 13, I-beam span; Bridge 25, Sects. 12 and 13, 26 ft. I-beam span with concrete abutments, all 16 ft. wide.

Calif., Red Bluff — City plans election $9,000 bonds towards construction bridge over Reeds Creek, south of here. Total cost $36,000. Tehama Co. and State Hy. Comn. to appropriate toward cost. Noted June 11.

Ont., Toronto — Making plans repairing North Glen Road Bridge, $25,000, or constructing new rein.-con. and steel bridge, $600,000. R. C. Harris, city engr. Noted April 23.

BIDS DESIRED

New Jersey — Nov. 30, by State Hy. Comn., Trenton, rein.-con. and timber, single leaf trunnion bascule bridge, etc. over Tuckahoe River, M.P. 29.5, on Route 14, Atlantic and Cape May Counties. A. L. Grover, secy.; adv. E. N.-R. Nov. 12.

New Jersey and Pennsylvania—Nov. 30, by Joint Comn. for Elimination of Toll Bridges over Delaware River between New Jersey and Pennsylvania, Trenton, N. J., new steel superstructure on existing piers of bridge across Delaware River, between Centre Bridge, Bucks Co., Pa., and Borough of Stockton, Hunterdon Co., N. J. L. Focht, State Office Bldg., Trenton, supt. and engr.; adv. E. N.-R. Nov. 12.

N. J., Jersey City—Nov. 24, by State Hy. Comn., Trenton, steel viaduct, etc., 1st section of highway, known as Route 1 Extension, between Jersey and Palisade Aves., here. Former bids rejected. A. L. Grover, secy.; adv. E. N.-R. Nov. 12. Noted Oct. 15.

Virginia — Nov. 24, by State Hy. Comn., Richmond, one 38 ft. 10 in. concrete beam span bridge over Ny River, Route 31, Project F-372-D, Spotsylvania Co.; adv. E. N.-R. Nov. 12.

Fla., Jacksonville—Nov. 20, by F. Brown, clk., Duval Co., County Court House, 4 additional new concrete highway spans to McGirts Creek Bridge, over McGirts Creek, on Orange Park Rd. 5. T. B. Carrick, Jacksonville, co. bridge engr.; adv. E. N.-R. Nov. 12.

Tenn., Smithville—Dec. 12, by De Kalb Co. Court, 2 steel and concrete bridges over Caney Fork River. $105,000.

Michigan—Nov. 24, by State Hy. Comn. at office Comrs. Shiawassee Co., Corunna, Bridge File 761,306, two 50 ft. and one 75 ft. spans. G. C. Dillman, Lansing, highway engr.

Ill., Chicago—Nov. 27, by City, Room 406 City Hall, superstructure for double leaf trunnion bascule bridge over south branch Chicago River, at West Adams St. A. A. Sprague, comr. Pub. Wks. Noted Aug. 20.

Wisconsin—Nov. 24, by State Hy. Comn., at Office 2, Stephenson Bldg., Milwaukee, Atwater Bridge, concrete or steel, on Wisconsin Federal Aid Project 349-B, Milwaukee Co. J. T. Donaghey, Madison, highway engr.; adv. E. N.-R. Nov. 12.

Kan., Ottawa—Taking bids 3 span, 225 ft concrete continuous deck girder bridge, 61 ft., with concrete piers and abutments over Marais des Cygnes River, on Main St. $100,000 available. Harrington, Howard & Ash, 1012 Baltimore Ave., Kansas City, Mo., engrs.

Kan., Paola—See "Streets and Roads."

Kan., Stockton—Dec. 3, by Clerk Rooks Co., six 40 ft. and one 140 ft. concrete and steel bridge on Federal Aid Project 259-B. J. A. Bodine, Stockton, co. engr. Noted May 28.

Kan., Winfield—Nov. 25, by Clerk Cowley Co., four 140 ft. span through arch concrete bridge with 20 ft. roadway, on Federal Aid Project 231-B. W. S. Ruggles, Jr., Winfield, engr.

Tex., Fort Worth — See "Streets and Roads."

Tex., Houston—Nov. 23, by O. F. Holcomb, mayor, and Auditor Harris Co., rein.-con. bridge over Brays Bayou, at Lawndale Ave. $60,000. J. C. McVey, city engr. Noted July 30.

BIDS RECEIVED

Missouri—State Hy. Dept., Jefferson City, Oct. 30, from C. M. Green, Lowell, Ark., five 90 ft. rein.-con. arch spans, spandrel filled, etc., over Middle Fork Black River, Reynolds Co. $41,299; from E. Euler, Maysville, one 24 ft. rein.-con. slab span, etc., over Breton Creek, Washington Co. $2,200, from F. T. O'Dell, Hannibal, two 8 ft. rein.-con. slab spans, etc., over stream, $1,346, and two 12 ft. rein.-con. slab spans, etc., over stream, $3,154, both Clark Co.; from R. F. Dorflinger, Blackwater, three 12 ft. rein.-con. slab spans, etc., over Dry Augloize Creek, Laclede Co., $2,265; from Richmond Constr. Co., Advance, one 16 ft. and two 14 ft. rein.-con. slab spans, etc., over Rogdons Slough, Dunklin Co., $4,898; from G. E. Stoner, Charleston, one 18 ft., two 16 ft., two 24 ft. and two 20 ft. rein.-con. slabs, etc., over drainage ditch, Dunklin Co., $11,540; from Humphreys & Stebbins, Fredericktown, two 10 ft. rein.-con. slab spans, etc., over stream, Madison Co. $2,171, one 35 ft. rein.-con. deck girder spans, etc., over Breton Creek, Washington Co. $2,644, and two 40 ft. rein.-con. deck girder spans, etc., over Reed Creek, Iron Co., $5,523; from Summerfield Jones Co., Billings, three 18 ft. rein.-con. slab spans, etc., over drainage ditch, Butler Co. $5,925, three 25 ft. concrete deck girder spans, etc., over D. D. 21, Butler Co. $6,828, and one 40 ft. rein.-con. deck girder spans, etc., over Arthur Creek, Texas Co. $4,697; from A. A. Davis & Co., Kansas City, Mo., three 20 ft. rein.-con. slab spans, etc., over drainage ditch, $5,868, three 24 ft. rein.-con. slab spans, etc., over D. D. 25, $6,661, and one 40 ft. and two 30 ft. rein.-con. deck girder spans, etc., over D. D. 16, $8,791, all foregoing in Butler Co.; from Carter-Harlin Constr. Co., West Plains, 45 ft. rein.-con. deck girder span, etc., over Holt Creek, Dent Co., $6,355; from Finley Constr. Co., Nebraska City, Neb., one 45 ft. rein.-con. deck girder and four 16 ft. rein.-con. slab spans, etc., over Chicago & Alton R.R. tracks, Howard Co., $9,339; from W. P. McGeorge & Co., Pine Bluff, Ark., one 120 ft. steel truss and thirty 40 ft. rein.-con. deck girder spans, etc., over Black River, Butler Co., $117,187; from Cameron Joyce Co., Keokuk, Ia., one 80 ft. steel truss and four 40 ft. rein.-con. deck girder spans, etc., over Honey Creek, Clark Co., $19,108; from C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, two 20 ft. rein.-con. slab spans, etc., over Big Creek, $3,455, three 20 ft. rein.-con. slab spans, etc., over Doe Run, $4,018, and three 35 ft. rein.-con. deck girder spans, etc., over Buck Run, $8,091, all foregoing in Clark Co., one 80 ft. steel truss and seven 20 ft. rein.-con. slab spans, etc., over Cedar Creek $15,722, also three 80 ft. steel truss and three 40 ft. rein.-con. deck girder spans, etc., over Big River, $28,013, both in Washington Co.; from Parkham Constr. Co., East St. Louis, Ill., five 80 ft. steel truss spans, etc., over Middle Fork Black River, Reynolds Co., $35,244; from Pittsburgh Des Moines Steel Co., Tuttle and South West 10th Sts., Des Moines, Ia., three 20 ft. rein.-con. slab spans, etc., over White-Comb Creek, Lincoln Co., $4,820, thirteen 20 ft. I-beam spans, etc., over overflow Black River, Butler Co., $11,894, thirty-one 20 ft. I-beam spans, etc., over St. Francois River, Dunklin Co., $24,729; and from R. L. Williams, Charleston, three 24 ft. I-beam spans, etc., over D. D. 23, Mississippi Co., $5,978. Noted Oct. 22.

Tex., Albany—See "Streets and Roads."

CONTRACTS AWARDED

New Jersey—Union Co. (Elizabeth), concrete and steel bridge on Kenilworth Blvd., between Kenilworth and Cranford, to Anderson & Wheeler, 1571 Richmond Terrace, Port Richmond, N. Y., $26,640.

North Carolina — State Hy. Dept., Raleigh, rein.-con. bridges and culverts on Project 394, Robeson Co., to Conrad Constr. Co., Florence, $83,452; on Project 753-B, Stokes Co., to Kesler Constr. Co., Winston-Salem, $31,455. Noted Oct. 29.

Ohio—Dept. Hys. & Pub. Wks., Columbus, widening bridges on Sects. E and F, Aurora-Warren Rd., Portage Co., to H. A. Akers, Ravenna, $5,838; concrete arch bridge Sect. "Bellville Bridge," Fremont-Tiffin Rd., Sandusky Co., to Miller-Taylor, Dayton, $49,347.

Ohio — Dept. Highways & Pub. Works, Columbus, concrete girder bridge on Sect. "G" Painesville Rd., Lake Co., to H. W. Baldwin, Willoughby, $5,322; bridge and

Bridges (Continued)

culverts Sect. "J" McConnelsville-Athens Rd., Morgan Co., to Brillhart & Wright, Warsaw, $38,748. Noted Oct. 8.

Illinois — Dept., Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 15, Sect. 12-V, Kendall Co., to Ferguson Constr. Co., 1033 North 2nd St., Rockford, $20,170; bridge on Route 14, Sect. 11-B, White Co., to Dees Bros., Oblong, $22,248; and bridge on Route 1 Sect. 42-B, Saline Co., to W. H. Shons Co., 11 South Liberty St., Freeport, $21,458. Grand total $63,876. Noted Nov. 5.

Mo., Wentzville — St. Charles Co. (St. Charles) 75 ft .steel bridge, 18 ft. over Perique Creek, near here, to St. Louis Constr. Co., Frisco Bldg., St. Louis. Engrs. est. $79,000.

Kan., Emporia — C. G. Whitaker, clk. Lyon Co., two 140 ft. marsh arch span bridges about 1-2 mi. from Hartford, and grading 0.469 mi. Federal Aid Project 224-B, to C. A. Clark, 737 North Topeka Ave., Wichita, $41,046. Noted Oct. 29.

Tex., Jourdanton — See "Streets and Roads."

Okla., Cordell—Washita Co., 13 concrete and steel bridges in Dists. 1 and 2, to Mann Constr. Co., Cotton Exch. Bldg., Oklahoma City, $32,000.

Colorado—See "Streets and Roads."

Ore., Portland—O. Laugaard, city engr., bridge over Vista Ave., to Parker & Banfield, 62 East 3rd St. $174,873. Engrs. est. $181,052. Noted Oct. 29.

Dam

PROPOSED WORK

Nev., Lovelock — Lovelock Water Users Assn., made alternative estimates earth fill dam (at various proposed sites on Humboldt River), providing for additional water storage, Callahan Dam, above here at Callahan ranch, 40 ft. high, 790 ft. long with 50,600 acre-ft. capacity, $507,000; Oreana Dam, above here, 100 ft. high, 1,585 ft. long with 275,000 acre ft. capacity $1,228,000; Oreana Dam 2, above here, 80 ft. high, 1,156 ft. long to irrigate 29,000 acres, etc., $693,000. King & Malone, Cheney Bldg., Reno, engrs.

Railways

PROPOSED WORK

Illinois—Litchfield & Madison R.R. Co., Edwardsville, W. A. Richardson, ch. engr., making preliminary plans 1.05 mi. standard gauge railroad from point 2.69 mi. southeast of Staunton to Illinois Traction System. In conjunction with the above the Chicago & Northwestern R.R. Co., Jackson and Franklin Sts., Chicago, W. J. Towne, ch. engr., will build 2.51 mi. track from point 5.5 mi. south of Benld to connect with above track.

Minnesota — See "Unclassified under Minneapolis."

Texas—Fort Worth & Denver City R.R., Ft. Worth, F. E. Clarity, pres. and genl. mgr., making surveys extending lines between Estelline through Plainview to Dimmit and from Lubbock to Silverton in West Texas. $200,000. R. C. Gowdy, 2271 Clermont St., Denver, Colo., ch. engr.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Ga., Brunswick—See "Unclassified."

Ark., Hughes — School D. D., W. Anderson, secy., making preliminary plans drainage canals, etc., incl. 250,000 cu.yd. suitable for dragline. Morgan Eng. Co., 630 Goodwin Institute Bldg., Memphis, Tenn., engrs.

Nev., Lovelock—See "Dams."

Calif., Carmichael—Carmichael Irrigation Dist. plans election approximately $30,000 bonds, 8 mi. pipe line, probably riveted steel 6- to 14-in. diam., 3 transformers, 75 KVA.

Calif., San Francisco—See "Streets and Roads."

Tex., Cotulla—La Salle Co. election Nov. 30, $7,331,000 bonds irrigating 40,000 acres or more. Nagle, Witt & Rollins, Houston and Cotulla, engrs. Noted Aug. 27.

Tex., Freeport—Brazoria Co. (Angleton) election soon $1,000,000 bonds constructing harbor at mouth of Brazos River, here. Engineer not selected.

BIDS DESIRED

N. J., Seagirt—Nov. 17, by Boro Council, 2 timber jetties, on ocean front between Trenton and Phila. Blvds. $18,000. C. R. Moore, Asbury Park Trust Bldg., Asbury Park, engr. Noted Oct. 15.

Minn., Worthington—Nov. 23, by C. J. Kall, aud. Nobles Co., constructing 22,900 ft. open Judicial Ditch 9, approximately 179,295 cu.yd. excav., 146,800 ft. 6- to 48-in. drain tile, 13 bulkheads, automatic gates, etc., here, for Nobles Co. (Worthington) and Jackson Co. (Jackson). $108,205.

CONTRACTS AWARDED

Tex., Corpus Christi—Nueces Co. Navigation Dist. 1, rough rock breakwater in new ship channel (now under construction), to J. DePuy, c/o Builders Exch. Bldg., San Antonio, $100,000.

B. C., Escuminac—Dept. Pub. Wks., Ottawa, Ont., section of stone filled and creosoted lumber breakwater, on the Miramichi River, here, to Burpee Constr. Co., Devon, N. B., $57,500. Noted Sept. 3.

B. C., New Westminster — Dominion Government, Ottawa, Ont., 1,300 ft. training jetty at mouth of Fraser River, off Point Grey, here, to Vancouver Pile Driving & Contg. Co., 207 Hastings St. W., Vancouver, B. C., $35,000.

Streets and Roads

PROPOSED WORK

Mass., Brighton (Boston P. O.)—Street Layingout Dept., Boston, plans constructing Cygnet and Litchfield Sts. as highways, here. $25,000. J. F. Sullivan, Secy.

R. I., Providence — Plans constructing Highland Ave. as highway. $25,000. H. A. Barker, chn. City Planning Comn.

Conn., Hartford—Plans widening Asylum St. under New York, New Haven & Hartford R.R. tracks, east to Ford St. $25,000 appropriated. R. N. Clark, Municipal Bldg., engr.

New Jersey—State Hy. Comn., Trenton, and Hudson Co. (Jersey City), plan paving Hackensack Plank Rd. from Hudson Blvd., to Bergen Co. line $600,000. W. G. Sloan, Trenton, highway engr.

N. J., Hopewell — Mercer Co. (Trenton) plans rebuilding Stoutsburg Rd., here. $35,000. H. F. Harris, Trenton, engr.

N. J, Newton—Sussex Co. plans improving 3½ mi. Newton-Sparta Rd. $28,000. State and Township to share cost. H. W. Snook, Newton, engr.

North Carolina—State Hy. Dept., Raleigh, plans grading and concrete or asphaltic paving 6.75 mi. Project 476, Wake Co. $210,000, 11.51 mi. Project 5230, Davidson Co. $322,000, 4.46 mi. Project 597, Rockingham Co. $125,000, 9.065 mi. Project 605, Alexander Co. $275,000, 6.826 mi. Project 985, Swain Co. $185,000, 12 mi. Project 664, Richmond Co. $395,000, and 12.4 mi. Project 955, Jackson Co. $320,000; grading and gravel on broken stone surfacing 5.8 mi. Project 772, Watauga Co. $48,000 and 6.856 mi. Project 715, Ashe Co. $52,000; clearing, grubbing and grading 7.8 mi. Project 348, $32,000, also clearing, grading and small rein.-con. structures on Project 346, $38,000, both in Cumberland Co. C. M. Upham, highway engr.

Ga., Augusta — Richmond Co. election Nov. 19, $750,000 bonds, improving various roads. G. Clausen, chn. Bond Com.

Ga., Hartwell—Hart Co. voted $200,000 bonds hardsurfacing various roads.

Ga., Thomasville—Voted $45,000 bonds, improving various streets.

Fla., Clearwater — Pinellas Co., election Nov. 13, $955,540 bonds constructing Roads 1 to 5 (inclusive). K. B. O'Quinn, Clearwater, clk.

Fla., Lake Butler—Union Co. voted $360,000 bonds, constructing various roads and surfacing Rd. 28.

Fla., Tampa — Hillsborough Co. voted $75,000 bonds paving 22 streets in Special Road and Bridge District. W. A. Dickenson, clk.

Mississippi—Lafayette Co. (Oxford) and Pontotoc Co. (Pontotoc) making preliminary plans grading, graveling, etc. 27 mi. Federal Aid Project 51, 18 ft. $400,000. H. C. Dietzer, Jackson, engr.

La., Baton Rouge — East Baton Rouge Parish, voted $75,000 bonds, graveling various roads. Noted Oct. 15.

La., Mandeville — Voted $25,000 bonds, paving various streets, and $20,000 bonds, for beach improvements and $10,000 bonds, for harbor improvements.

Tennessee—State Dept. Higsways & Pub. Wks., Nashville, takes bids about Nov. 27, grading, etc., 18 mi. Spivey Creek-North Carolina State Line Rd., Unicoi Co.; 4 mi. Bluff City-Elizabethton Rd., Sullivan Co.; and 4 mi. road from Federal Aid Project 16 to Round Pond, Montgomery Co. J. G. Creveling, highway engr.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, takes bids about Nov. 28, grading 2 mi. Parksville-Ocoee River Rd., Polk Co. U. S. Forestry Dept. and Tennessee Power Co. will appropriate toward cost. C. N. Bass, Nashville, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, soon takes bids grading, etc., 10 mi. Clinton-Coal Creek Rd., Anderson Co., and 8 mi. Jackson-Huntingdon Rd., Madison Co.; also grading and surfacing, probably cement 12.5 mi. Columbia-Giles Co. line Rd., Maury Co. C. N. Bass, acting comr.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, takes bids about Dec. 10, grading, etc., 8 mi. Cleveland-Hiawassee River Rd., Bradley Co., and 20 mi. Dover-Oakland Rd., Stewart Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Dec. 10, paving, probably cement concrete 7 mi. Brighton-Covington Rd., and 10 mi. Brighton-Shelby Co. line Rd., both (Jeff Davis Highway) Tipton Co. C. N. Bass, Nashville, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 8 mi. Pulaski-Lawrence Co. line Rd., Giles Co., and 10 mi. Nashville-Franklin Rd., Williamson Co. C. N. Bass, acting comr.

Tenn., Nashville — Election Dec. 17, $1,500,000 bonds, widening and paving various streets. W. W. Southgate, city engr.

Kentucky—State Hy. Dept., Frankfort, plans grading 8 mi. Greenup-Lewis Co. line Rd., Greenup Co., and 5 mi. Buffalo-Greensburg Rd., Larue Co. E. N. Todd, highway engr.

Ohio—Dept. Hys. & Pub. Wks., Columbus, rejected bids Oct. 23 constructing drainage structures on Sects. "A-2" and "E-1," Caldwell-Barnesville Rd., Noble Co. Noted Oct. 15.

O., Akron—Bd. Pub. Serv., W. F. Peters, dir., takes bids in spring, grading, curbing, vitr. paving, etc., 3,500 sq.yd. Ruby Ave. $30,350. E. A. Kemmler, Delaware Bldg., engr.

O., Canton—Stark Co. plans brick paving 1 mi. Harrison Ave. extension, 16 ft. $30,000. A. M. Wise, Court House, engr.

Ind., Anderson—Making plans concrete paving 2½ mi. West 22nd St. and Rocky Ave., 22 ft., $78,322; 1¾ mi. Prospect and 22nd Sts., 24 ft., $52,970; 1½ mi. Noble St. from 14th to 19th Sts., 30 ft., $41,178. M. H. Downey, City Hall, engr.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids Oct. 23, paving Route 32, Sect. 2-X, Moultrie Co., and Route 19, Sect. 86-W, Cook Co. F. T. Sheets, ch. engr. Noted Oct. 15.

Ill., Cairo — Making preliminary plans curbing, guttering, sewers, and 1 in. compact rock asphalt on 6 in. Novaculite gravel surfacing 38,000 sq.yd. Paving Dist. 4. $112,000. G. F. Dewey, City Hall, engr.

Wisconsin — State Hy. Dept., Madison, alloted $1,377,169 constructing county trunk highways; $4,587,181 for State and Federal Aid construction of state trunk highways; and $3,863,883 for state trunk highway maintenance during 1926 in various counties.

Ia., Battle Creek — Plans paving about 20,000 sq.yd. various streets. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Des Moines—Rejected bids paving 7,840 sq.yd. Crocker St. Will readvertise. Noted Oct. 15.

Minn., St. Paul—See "Unclassified."

Minn., Minneapolis—See "Unclassified."

Kan., Concordia—Cloud Co. takes bids in November improving 6 mi. Federal Aid Project 185-B, 57,000 cu.yd. earth and 3,000 cu.yd. rock excav., 6,000 ft. cable guard fence, 66,000 lb. reinforcing, etc., also one 16 ft. and one 12 ft. concrete slab span bridges, each 24 ft. wide. $60,000. L. T. Dudley, Court House, engr.

Kan., Kansas City—Plans widening 43rd to 54th Sts. from state line to Mission Rd. $50,000. R. L. McAlpine, Kansas City, engr.

Kan., Kansas City — Wyandotte Co. made plans concrete or rock asphalt surfacing 6.968 mi. Golden Belt Rd., Federal Aid Project 321-A and B, 18 ft. O. K. Williamson, Kansas City, co. engr.

Kan., Mankato—Jewell Co. making preliminary plans grading 6.87 mi. 28 ft., also one 40 ft. span rein.-con. girder and one 25 ft. I-beam bridge, both 22 ft. on Federal Aid Project 192-A, B and C. V. H. Firedenhagen, Court House, engr.

Kan., Winfield — Cowley Co. making preliminary plans grading and concrete or brick paving 5.492 mi. Federal Aid Project

Streets and Roads (Continued)

231-D and F, 18 ft. W. S. Ruggles, Jr., Winfield, engr.

Neb., Gibbon—See "Bridges."

Mo., St. Louis — Making preliminary plans grading and concrete or brick paving alleys in City Blocks 1501, 1537, 2690, 2807, 2955, 3603, 4146, 5613, 5767 and 5842. $31,-347-$50,200. W. W. Horner, city engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans asphalt,, amiesite, Warrenite, concrete, asphaltic concrete or brick paving Market St. between 3rd and 4th Sts., $98,000; Chestnut St. between 3rd and 4th Sts., $10,000; Locust St. between 3rd and 4th Sts., $6,300; Vine St. between 3rd and 4th Sts., $5,250; St. Charles St. between 3rd and 4th Sts., $12,600; Lucas St. between 4th and 11th Sts., $40,900; 4th St., $46,000; Columbia St. between Southwest and Edward Sts., $69,000; Columbia St. between Clifton St. and Clifton Heights, $8,100; Goodfellow St. between Maple and Page Sts., $31,000; Goodfellow St. between Page and Easton Sts., $29,000; and Goodfellow St. between Easton and North Market Sts., $13,900. W. W. Horner, 300 City Hall, engr.

Mo., University (Ind. br. St. Louis)—City Clerk rejected bids Oct. 21, rein.-con. paving Kingsland Ave. between Olive St. and Clemens Ave. Will readvertise. W. A. Heimbuecher, City Hall, engr.

Arkansas — State Hy. Dept., Little Rock, takes bids latter part November, gravel surfacing, etc. 21.5 mi. McGehee East and West Highway, 16 ft. R. C. Limerick, highway engr.

Tex., Alice—Election Nov. 24, $70,000 or $90,000 bonds paving various streets and constructing sewerage system. J. H. Briggs, Alice, engr.

Tex., Alpine — Brewster Co. making plans improving 11 mi. Highway 3 from Pecos Co. line to end of Federal Aid Project 378-E, 18 ft. $190,000. A. L. White, Alpine, engr.

Tex., Anderson—Grimes Co. plans grading, bridging and gravel surfacing 8.75 mi. State Highway, Roans Prairie to Walker Co. line, 18 ft. $100,000. O. A. Seward, Jr., Navasota, engr. Noted Aug. 20.

Tex., Angleton—Brazoria Co. voted $300,-000 bonds hardsurfacing about 18 mi. Precinct 26. J. T. Loggins, Angleton, judge.

Tex., Angleton—Brazoria Co., takes bids after Nov. 15, crushed stone on bituminous surfacing 10.88 mi. Highway 19 from north end of Federal Aid Project 367-A to Fort Bend Co. line, 18 ft. $260,000. H. W. Munson, Angleton, engr.

Tex., Brownsville — Cameron Co. soon takes bids grading and bridging 24½ mi. Highway 12-D, between Barreda and Point Isabel. $61,000. W. O. Washington, Brownsville, engr. Noted Dec. 25, 1924.

Tex., Colorado—Election Nov. 14, $325,-000 bonds constructing State Highway 1, through Mitchell Co. State and Federal Aid appropriates $325,000 toward cost. C. C. Thompson, co. judge.

Tex., Comanche—Comanche Co. making surveys hardsurfacing 9 mi. portion of Pecan Belt Highway from here to Kerrville. $150,000. Address County Engineer.

Tex., Corsicana—See "Waterworks."

Tex., Cuero—De Witt Co. making plans grading, bridging and bituminous macadam surfacing 15.97 mi. State Highway 72, 18 ft. $336,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Gainesville—Making revised plans permanent paving various streets. $70,-000. G. C. Cartwright, Gainesville, engr.

Tex., Georgetown—Election Nov. 30, $45,-000 bonds finishing paving 8 or 10 mi. various streets started 2 or 3 years ago. J. M. Sharpe, mayor. Engineer not announced.

Tex., Gilmer—Voted $25,000 bonds paving various business streets. L. F. Martin, city secy.

Tex., Sinton — San Patricio Co., making plans concrete on 1 in. rock asphalt paving 2.9 mi. Highway 12, 18 ft. $28,000. F. M. Percival, Sinton, engr. Noted Oct. 29.

Tex., Slaton—Election Nov. 17, $100,000 bonds permanent street paving. Gantt-Baker Co., 1116-18 West Main St., Oklahoma City, Okla., engrs.

Tex., Tyler — Smith Co., making preliminary plans gravel and hardsurfacing 48 mi. highway, 18 ft. $1,500,000. D. K. Caldwell, Tyler, engr.

Tex., Jourdanton — Atascosa Co. postponed indefinitely award of contract grading and bridging 8.37 mi. Highway 9, State Aid Project 627-A, $110,000; also 9.09 mi. Highway 9, State Aid Project 627-B, $130,-000. J. V. Curnutte, Jourdanton, co. engr.

Tex., Kaufman — Kaufman Co. plans grading, bridging and concrete paving about 22 mi. Highway 15, through Forney to connect with Talty Rd., 18 ft. $350,000 S. J. Treadwell, Terrell, engr.

Tex., San Saba—San Saba Co. making surveys improving about 15 mi. portion new Pecan Belt Highway through here. Election soon $200,000 bonds for same. H. Burk, San Saba, highway engr. (temporarily).

Tex., Seguin—Guadalupe Co. voted $26,-000 bonds, grading and graveling, etc., 6 mi. Kingsville and Moss Rd. Dists. J. B. Williams, Seguin, engr.

Tex., Sherman—Voted $100,000 bonds, paving 7 various streets. Engineer not announced. Noted Oct. 29.

Tex., Sweetwater — Nolan Co. making plans double bituminous on sledged stone, caliche and macadam paving 15.22 mi. State Highway 1, Sweetwater to Mitchell Co. line, Unit 2, Federal Aid Project 444, 18 ft. $348,000. J. A. Focht, Sweetwater, co. engr.

Tex., Texarkana — Making plans paving various streets. $200,000. O. Ienglin, city engr.

Tex., Victoria—Victoria Co. election soon $1,000,000 bonds hardsurfacing roads on Jeff Davis Highway, Victoria-Refugio Highway, also improving lateral roads and bridges, etc. P. P. Putney, Victoria, co. judge.

Oklahoma — State Hy. Dept., Oklahoma City, making surveys grading, etc., 14 mi. Weatherford-Bridgeport Rd., Caddo Co., $100,000, and 15 mi. Marlow-Lawton Rd., Comanche Co., $75,000; grading, gravel surfacing, etc., 8 mi. Mountain View-Hobart Rd., Kiowa Co., $100,000, and 6 mi. Cushing-Drumwright Rd., Payne Co., $75,-000, all above 30 ft. wide. J. M. Page, highway engr.

Okla., Garber — Voted $116,446 bonds grading and paving 27 blocks Ponca, Cherokee, Osage, Seneca and Pawnee Sts., 30 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 8.

Okla, Guthrie—Making preliminary plans resurfacing 9 blocks Oklahoma Ave., 66 ft. $72,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Kingfisher—Kingfisher Co. making preliminary plans hardsurfacing Meridian Highway from Hennessey paving to Cimarron River. $150,000 or more. Address County Commissioners.

Okla., Mangum — Making preliminary plans grading and concrete paving 14,400 sq.yd. South Oklahoma, West Harrison and East Lincoln Sts. $42,600. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Oklahoma City — Plans grading and sheet asphalt paving 5,400 sq.yd. California and Kate Sts. $27,320. B. M. Hart, City Hall, engr.

Okla., Pauls Valley — Voted $26,570 bonds, grading and paving 9 blocks South Chickasaw, North and Oak Sts., 24 and 40 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ariz., Tucson—Pima Co. making plans grading, gravel surfacing, etc., 42 mi. Benson-Tucson Highway. To exceed $25,000. U. R. Ruthrautt, Tucsop, engr.

Okla., Perry—Plans grading and concrete paving, etc., 10,650 sq.yd. F and K Sts. $32,000. C. A. Wood, Stillwater, engr.

Calif., Glendale — Made plans grading, curbing, guttering and 3 in. oil macadam paving 43,154 sq.ft. Thompson, 10th Sts., etc.; and 7,626 sq.ft. Belmont and Maple Sts. J. F. Johannsen, city engr.

Calif., Pomona—Made plans 6 in. concrete paving 109,379 sq.ft. Gibbs St. between Holt Ave. and 5th St. T. R. Trotter, city engr.

Calif., Sacramento — Wright & Kimbrough, 817 J St., plans curbing, watermains, guttering and paving, etc., Freeport Blvd. To exceed $100,000.

Calif., San Francisco—Making plans removing soft rock for Bernal Cut Project, to exceed $75,000; widening Clement St. between 1st and 13th Aves., incl. lighting system, to exceed $30,000; resurfacing and reconstructing streets in south of Market St. section, $100,000; curbing, guttering, sidewalks and paving streets in Peralta Heights Dist., $92,500; grading, curbing, guttering, sidewalks and paving streets in Crocker Amazon Tract, $250,000, and in portions of Douglas and Romain Sts., $90,-000. M. M. O'Shaughnessy, city engr.

Ont., Toronto — Plans concrete sidewalks on Brookside Dr., Strathmore Blvd., Cleveland St., Felstead, Hietz, Corley, Lawlor, and Riverdale Aves.; Golfdale, Mt. Pleasant and Manor Rds., $19,663; asphalt on concrete paving Lewis St. $13,804, Tydall Ave. $3,171, and Humewood Dr. $3,409; asphalt surfacing Bedford Rd. $9,828, Classic Ave., $3,959, and Lombard St. $8,662. R. C. Harris, city engr.

B. C., Vancouver — Election Dec. 19, $250,000 bonds, hard-surfacing various streets. C. Brachenridge, City Hall, engr.

BIDS DESIRED

Massachusetts—Nov. 17, by Dept. Pub. Wks., Boston, bituminous macadam paving 16,793 ft. highway, 18 ft. in Southwick and Granville. W. F. Williams, comr.

Rhode Island — Nov. 25, by State Bd. Pub. Rds., State House, Providence, bituminous concrete Topeka paving 2.36 mi. Contr. 2515, Federal Aid Project 30, in Scituate; bituminous macadam paving [illegible] mi. Contr. 2516, Federal Aid Project 2[illegible] in Cumberland, 2.17 mi. Contr. 2514 Warren and Market Sts.; and gravel surfacing [illegible] mi. Contr. 2517, Charlestown-Richmond, Alton Rd.; adv. E. N.-R. Nov. 12.

N. Y., Long Island City — Nov. 19, by Park Bd., Arsenal Bldg., 64th St. and 5th Ave., New York City, improving Shore Rd. in Astoria Park, here.

Pennsylvania — Dec. 7, by State Hy. Dept., Harrisburg, grading and rein.-con. paving, etc., approximately 25 mi. 5 projects in 4 counties. W. H. Connell, highway engr.; adv. E. N.-R. Nov. 12.

W. Va., Webster Springs — Nov. 25, by West Virginia Midland Ry. Co., Clarksburg, G. A. Hechmer, genl. mgr., grading, etc. 4.8 mi. section railway from here, to Bergoo. J. Blasco, Webster Springs, engr.; adv. E. N.-R. Nov. 12.

N. C., Saluda—Nov. 17, by Mayor and Bd. Aldermen, curbing, guttering, sidewalks, water and sewer lines, concrete or asphaltic paving 34,000 sq.yd. various streets. G. C. White Co., Durham and Asheville, engrs.

Ga., Canton — Nov. 17, by City Clerk, grading, curbing, guttering, sidewalks and concrete, brick, sheet asphalt, asphaltic concrete, rock asphalt, Findley sheet asphalt or Warrenite surfacing 22,500 sq.yd. various streets. K. T. Thomas, 308 Wynne-Clayton Bldg., Atlanta, engr.

Fla., Tampa — Dec. 15, by City Commissioner, City Hall, paving various streets. W. E. Duncan, city clk.; adv. E. N.-R. Nov. 12.

Miss., Gulfport—Dec. 1, by City Commissioners, J. Milner, mayor, curbing, sewers, guttering, sidewalks and paving with various types 145,000 sq.yd. various streets. $600,000. H. D. Shaw, 14th St. and 24th Ave., engrs. Noted Oct. 29.

Louisiana—Dec. 1, by State Hy. Comn., Baton Rouge, graveling 8.92 mi. Monroe-Jonesboro Highway, State Project 436 B, Ouachita Parish; also Main St. crossing Barrow Canal, in Houma, State Project 519, Terrebonne Parish. W. B. Robert, highway engr.

Louisiana—Dec. 1, by State Hy. Comn., Baton Rouge, grading and graveling 9.6 mi. Chatham-Ruston Highway, State Project 419-A, Jackson Parish; also 3.4 mi. Olla-Jena Highway, State Project 435 B, La Salle Parish. W. B. Robert, highway engr.

Louisiana—Dec. 3, by State Hy. Comn., Baton Rouge, grading 8.08 mi. Sun-Bogalusa-Mississippi State Line Highway, State Project 412-C, Washington Parish. W. B. Robert, highway engr.

Ind., Anderson — Nov. 15, by Comrs. Madison Co., curbing, concrete paving etc., 1 mi. Pendleton South (part of old 37), 20 and 30 ft., $25,000; and concrete paving 1¾ mi. road in Pendleton, formerly Route 37, 20 ft., $30,000. A. H. Doyle, co. engr.

Ind., Rushville — Nov. 17, by Common Council, concrete, bituminous concrete, brick or wood block paving 5,100 sq.yd. 2 alleys and 1 street. Stewart & Stewart, Rushville, engrs.

Michigan—Nov. 23, by State Hy. Comn. at office Comrs. Leelanau Co., Leland, graveling 5.346 mi. Trunk Line Rd. 22-1, 16 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Nov. 23, by State Hy. Comn., at office Saginaw Co., Saginaw, graveling 4.496 mi. Trunk Line 18-23, in Saginaw, Midland and Gratiot Counties; also 5.509 mi. Trunk Line Road 18-11, Midland and Saginaw Counties. G. C. Dillman, Lansing, highway engr.

Michigan—See "Contracts Awarded."

Ill., Forest Park—Nov. 23, by Bd. Local Impvts., concrete paving 24,300 sq.yd. various alleys. H. C. Huxhold, village clk.; adv. E. N.-R. Nov. 12.

Kan., Paola—Nov. 20, by F. Kirby, clk. Miami Co., improving Federal Aid Project 293-C, incl. 46,282 cu.yd. earth and 3,040 cu.yd. rock excav., 16,228 cu.yd. borrow, 52,455 lb. reinforcing, etc., in road work, also 10 ft concrete slab bridge, 9,060 lb. reinforcing, and 120 ft. Pratt truss bridge, 26,760 lb. reinforcing and 118,810 lb. structural steel. F. Gardner, Paola, engr.

North Dakota — Nov. 19, by State Hy. Comn. and Bd. Comrs. Wells Co., Fessenden, gravel surfacing, etc. 18.306 mi. road west and east of Hurdsfield, Federal Aid Project 210.

Streets and Roads (Continued)

N. D., Fessenden — Nov. 19, by O. G. Kueger, aud. Wells Co., gravel surfacing 18.306 mi. road, 25,081 cu.yd. load, spread compact, maintain, etc. $30,000.

Tex., Fort Worth — Nov. 20, by F. V. Lanham, chn. State Hy. Comn., Austin, clearing, grubbing, bridging, concrete and bituminous paving 6.8 mi. State Highway 1, Federal Aid Project 496, 24 ft., Tarrant Co., $539,000. G. W. Courter, Fort Worth, engr.

Tex., Fort Worth — Nov. 23, by D. A. Davis, engr., Tarrant Co., Ft. Worth bituminous paving 18 mi. Fort Worth & Dallas Pike, 24 ft.

Tex., Huntsville — Dec. 4, by A. T. McKinney, Jr., judge Walker Co. clearing, grubbing, grading and constructing timber pile and concrete bridges on 18.01 mi. State Highway 32, Federal Aid Project 489, $114,900. D. K. Caldwell, Huntsville, engr. Noted July 27.

Tex., Wichita Falls — Nov. 23, by B. D. Sarten, judge Wichita Co., 8 span, 344 ft. rein.-con. girder bridge across Wichita River, $30,000. J. M. Isbell, Wichita Falls, co. engr.

Okla., Garber—Nov. 16, by R. Kimmel, city clk., grading, curbing and concrete paving 9,965 sq.yd. Seneca and Ponca Sts. $32,210. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hobart — Nov. 17, by C. R. Williams, city clk., grading and concrete surfacing 8,750 sq.yd. 5th and Jefferson Sts. $28,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ont., Midland—Nov. 18, by C. E. Smith, town clk., 10,000 sq.yd. sheet asphalt on concrete paving various streets. $47,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Sept. 24.

BIDS RECEIVED

New Hampshire—State Hy. Dept., Concord, gravel surfacing 1.62 mi. highway in Antrim, from Long, Cross & Burnham, Greenfield, Mass., $28,899, also 0.72 mi. Highway in Manchester, from C. Bianchi & Co., Framingham, Mass., $15,386.

New York — A. W. Brant, comr. Highways, Albany, Nov. 6, **(e. e. means engineer's estimate)** constructing and reconstructing 2.19 mi. Repair Contr. 3139, Highway 420, Vestal and Highway 5215 Owego-Binghamton, Broome Co., from O'Day & Ambrose, Binghamton, $85,174, e. e. $107,-297; 7.08 mi. Highway 1722, Millbrook-Dover Plains Highway, Dutchess Co., from New York Willite Paving Corp., Rochester, $407,371, e. e. $506,064; 1.99 mi. Repair Contr. 3137, Highway 5150, Peekskill-Fishkill Pt. 5, Dutchess Co., from J. H. McAllister, Lee Mass., $121,218, e. e. $160,585; 3.36 mi. Repair Contr. 3138, Highway 257 Ridge Pt. 4, Monroe Co., from Van Deusen-Lumber Corp., Concord Bldg., Corning, $127,054, e. e. $165,870; 2.3 mi. Highway 8236, Cuba-Black Creek, Pt. 2, Allegany Co. and 6.34 mi. Highway 8237, Gaines-Murray, Pt. 1, Orleans Co. from H. P. Patterson, Hornell, $83,764 and $216,-225 respectively, e. e. $109,188 and $229,634 respectively; 2.63 mi. Repair Contr. 3141, Highway 198, Delaware Turnpike, Pt. 4 and Repair Contr. 14889 Highway 199, Delaware Turnpike, Pt. 5, Albany Co., from G. Edgecomb Co., Inc., Walton, $52,193, e. e. $66,835; 9.74 mi. Highway 1718, Bolton, Landing-Sabbath Point, Pt. 2, Warren Co., from C. F. Seabrook Co., Inc., Bridgeton, N. J., $455,130, e. e. $549,820; 3.1 mi. Repair Contr. 3134, Highways 453 and 9003, Poughkeepsie Hyde Park State Hospital, Dutchess Co., from Spoor-Lasher Co., Inc., Poughkeepsie, $204,562, e. e. $270,562; 8.86 mi. Repair Contr. 3135 Highway 5109, St. Johnsville-Nelliston, and Repair Contr. 3136, Highway 5123, Nelliston-Palatine Bridge, Montgomery Co., from Westchester Constr. Co., Riverhead, $512,899, e. e. $632,-709; 0.64 mi. Repair Contr. 3140, Highway 545, Syosset-Cold Spring Harbor, Nassau Co., from R. W. S. Corp., Huntington, $42,-905, e. e. $53,179. Noted Oct. 22.

N. Y., Long Island City — M. E. Connolly, pres Queens Boro, Queens Subway Bldg., Nov. 2, grading Hemlock Pl., from H. E. Kordoes, 2577 Cooper St., Brooklyn, $3,143; grading gutter space, sidewalks, etc., on Caspian St., and grading, curbing and sidewalks on Procter St., from Peace Bros., 460 Lockwood Ave., $2,497 and $3,450 respectively; recurbing, reflagging and sheet asphalt on concrete paving Stryker Ave., and sheet asphalt on concrete paving Queens Blvd., from W. P. McDonald Constr. Co., Lawrence St., Brooklyn, $42,660 and $150,120 respectively. Noted Oct. 29.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Nov. 4, bituminous concrete repaving Amboy Rd. from J. E. Donovan Paving Co., 2205 Richmond Terrace, Port Richmond, $15,873; curbing and resetting curbing on both sides Forest Ave., from J. Caruselle, 148 St. Pauls Ave., Stapleton, $814; granite block paving Jersey St., from P. Cramer, 154 East 50th St., New York City, $8,105; grading St. Stephens Pl. from Union Pl., from Richmond Paving Co., 48 Hylan Blvd., Rosebank, $1,688. Noted Oct. 29.

Pennsylvania—State Hy. Dept., Harrisburg, Oct. 30, **(R. means Route and A. means Application)**, one course rein.-con. paving 18,922 ft. R. 89, A. 3679 and 3710, Oil Creek Twp., Venango and Crawford Counties, from H. E. Bunce, 125 Fulton St., Olean, N. Y., $118,484, 29,827 ft. R. 241, Sect. 3, Standing Stone and Wysox Twps., Bradford Co., from Bryant & Kohl, 145 Hazle St., Wilkes-Barre, $354,095, 1,411 ft. A. 3603, Picture Rocks Boro, Lycoming Co., from Winston & Co., Masonic Bldg., $12,823, 1,820 ft. R. 268, Sect. 9, East Pike Run Twp., Washington Co., from T. W. Monroe Constr. Co., Tarentum, $30,726, 11,-785 ft. A. 3632 and 10,102 ft. A. 3592 and 3633, Unity Twp., Westmoreland Co., from T. Cronin Co., South 18th and Fox Sts., Pittsburgh, $93,178 and $67,553 respectively; also grading, etc., 1,990 ft. R. 82, West Fallowfield Twp., Crawford Co., from O. B. Bracht, P. O. Box 286, Titusville, $17,725. Noted Oct. 8.

Maryland — State Roads Comn., Baltimore, concrete paving 3.5 mi. road from Cresaptown towards McCool, Contr. A-40, Allegany Co., from Tri-State Eng. Co., Cumberand, Md., $98,417.

O., Cincinnati—Director Pub. Serv., improving 3,130 ft. 3rd St. from Vine to Smith Sts., 40 ft., 2,330 lin.ft. sidewalks, 3,000 lin.ft. granite curbing, and 13,900 sq.yd. granite block paving, etc., from Henkel & Sullivan, 105 Bell Blk., $104,473. Engrs. est. $115,481. Noted Oct. 15.

O., East Cleveland (Cleveland P. O.)—City, Oct. 17, widening and paving 7 ft. strip south side Euclid Ave. from easterly to westerly lines of city limits, from Highway Constr. Co., Guarantee Title Bldg., Cleveland, $72,372. Noted Oct. 15.

Tex., Albany—J. E. Pirie, engr., Albany, grading 8.18 mi. Highway 1A, Federal Aid Project 495A, 18 ft., for Shackelford Co., from Jordan Constr. Co., Plainview, approximately $38,000; bridges on same road, from Crouch & Nolan, Strawn, approximately $27,500. Noted Oct. 7.

Okla., Guthrie—E. R. Adams, clk. Logan Co., grading, etc., 13.69 mi. Guthrie-Crescent Rd., 30 ft., from D. Blackburn, Healdton, $58,647. Engrs. est. $65,009. Noted Oct. 22.

Calif., Los Angeles — Grading, curbing, guttering, and 5 in. concrete paving 238,462 sq.ft. portion of Hub St. from E. M. LeBaron, Inc., Bank of Italy Bldg., Los Angeles, $90,705, and 284,291 sq.ft. O'Farrell St. between Hanford and Harbor View Ave., from W. W. Mackey, Lane Mortgage Bldg., $92,390; also grading and 6 in. concrete paving 354,680 sq.ft. San Fernando Mission Blvd., from J. Martin, 789 Lyon St., approximately $69,095.

Calif., San Diego—Common Council, Oct. 26, from G. R. Daley, 4430 Boundary St., improving Lewis St., Hillcrest Dr., etc., 1,479 cu.yd. excav. at $1.60 per cu.yd., 3,657 cu.yd. embankment $0.57, 144,325 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving $0.209, 6,991 sq.ft. concrete sidewalk $0.22, 1,670 lin.ft. curbing $0.65, etc., total $40,275. Noted Oct. 15.

CONTRACTS AWARDED

N. J., Adelphia — Monmouth Co. (Freehold) graveling 1.95 mi. Elton-Adelphia Rd., here, to Red Bank Constr. Co., Red Bank, $29,264.

Pennsylvania—State Hy. Dept., **Harrisburg, (R. means Route and A. means Application)**, to Lord Constr. Co., Hastings, improving R. 276, A. 3345-3531, Clearfield Co., 1,679 cu.yd. excav. at $1 per cu.yd., 2,181 cu.yd. borrow $1 and 8,428 sq.yd. rein.-con. paving $3, etc., total $39,309; and to A. R. Cooper, Butler, improving R. 278, A. 3421, Beaver Co., 6,293 cu.yd. excav. at $1 per cu.yd., 656 cu.yd. borrow $1, 16,703 sq.yd. rein.-con. paving $3.25, etc., total $81,759.

Pa., Mt. Lebanon—Allegheny Co. (Pittsburgh), reconstructing Washington Rd., to M. O. Herron Co., South 15th and McKean Sts., Pittsburgh, $25,920. Engrs. est. $25,-000.

Pa., Phila. — Dept. Pub. Wks., Bureau of Engineering, removing old and constructing new sewer in Courtland St. between point 161 ft. west of 11th St. and point 30 ft. east of 12th St., to Ryan Constr. Co., 735 Real Estate Trust Bldg., $49,740; and Wingohocking sewer in Ramona Ave. between Cayuga and I Sts., also in private property to Frankford Creek, to Mazzola Marano, 739 South 7th St., $494,-120. Noted Nov. 5.

North Carolina — State Hy. Comn., Raleigh, to N. L. Teer, Durham, clearing, grubbing and grading 9.88 mi. Project 487-B, Wake Co. $38,800, 10.15 mi. Project 496 $53,948, and 4.92 mi. Project 491 $28,-183, both in Warren Co., to Jamison Bros., High Point, 12.4 mi. Project 394, Robeson Co. $70,356, to W. C. Carter, Mebane, 9.11 mi. Project 753-B, Stokes Co. $64,166; to J. K. Cecil, Lexington, grading 11.52 mi. Project 523, Davidson Co. $39,175; to G. F. Coenatzer, Winston-Salem, clearing, grubbing grading and top soiling 5.67 mi. Project 583-B, Chatham Co., $26,527; to Roberts Paving Co., Salisbury, Md., grading and plain concrete paving 5.4 mi. Project 111-B, Camden Co. $127,757, 6.44 mi. Project 117-B, Currituck Co. $152,203, to G. L. Babbitt, Franklinton 1.57 mi. Project 425, Franklin Co. $44,338, to J. M. Gregory & Co., Pittsboro, 7.6 mi. Project 354, New Hanover Co. $199,400, to J. O. Heyworth, Inc., Harvester Bldg., Chicago, Ill., 13.74 mi. Project 242, Johnston Co. $377,944 clearing, grading, plain concrete paving and rein.-con. structures on 11.63 mi. Project 164, Nash Co. $335,430; to Blythe Bros., Charlotte, grading and asphalt on concrete paving 12.57 mi. Project 6060, Anson Co., $326,977. Grand total $1,885,204. Noted Oct. 29.

North Carolina — State Hy. Comn., Raleigh, grading and sand asphalt paving 15.33 mi. Project 219-B, Duplin-Lenoir Counties, to Highway Eng. & Contg. Co., Selbyville, Del., $275,578. Noted Sept. 17.

Miss., Gulfport—Harrison Co., Warrenite bitulithic on gravel surfacing 8 mi. Magnolia Route, north of here, to Southern Paving & Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $147,729. Noted Oct. 22.

Miss., Waynesboro—Bd. Supervs. Wayne Co., gravel surfacing 18 mi. Mississippi Valley Highway from Long Creek to Mississippi State line, to W. R. Dyess, c/o owner, $115,500.

La., Bastrop—Town Council, 5,000 lin.ft. concrete curbing and guttering various streets, to G. Bonderbust, Kansas City, Kan., at $0.72 per lin.ft.

La., Baton Rouge—Comn. Council, hard-surfacing various streets to Southern Roads Co., Cangelosi Blk., $39,000, and to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, N. C., $31,000; also graveling various streets, to Thibodeaux & Harrison, Main St., $16,000. Grand total $86,000. Noted Oct. 22.

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., Oct. 9, for installation of tracks for part of Flushing Extension of Queensboro Subway, (A) T. H. Reynolds Contracting Co., Inc., 50 Park Pl. (awarded contract); (B) Slattery Engineering & Construction Co., Inc., 10 East 43rd St.; (C) New York Electrical Construction Corp.; (D) McElroy & Kerwin, Inc. The unit bids are as follows:

	A	B	C	C
¾ ton furnishing and installing cast-iron hand-hole frames and covers in place, complete	$200.00	$200.00	$200.00	$250.00
2,000 cu.yd. furnishing and placing in the works, Class A ballast	4.00	4.50	4.40	5.50
For furnishing and delivering to the works Class C 6 in. x 8 in treated ties as follows:				
1,550 (a) intermediate and joint ties, 2 ft. 6 in. long, drilled for spikes only	1.25	1.50	1.25	1.30
450 (b) third rail ties 3 ft. 10½ in. long drilled for spikes only	1.80	2.25	2.00	1.90
3 furnishing, delivering and installing bumping posts	1,000.00	1,400.00	800.00	1,100.00
1,950 installation of anti-creepers	.10	.10	.10	.15
For installation of modified type I track, complete as follows:				
2,840 lin.ft. (a) on tangents and curves of more than 2,000 ft. radius	2.00	2.00	3.50	1.83
660 lin.ft. (b) on curves of 2,000 ft. to 701 ft. radius	3.00	4.00	4.50	2.20
240 lin.ft. (c) on curves of less than 701 ft. radius	4.00	4.50	5.00	3.00
For installing of modified type I tracks including 2,010 lin.ft. concrete, complete		7.00	6.50	8.00
For installation of special work, portion 454 (lump sum	1,400.00	1,250.00	3,500.00	1,450.00
For installation of special work, portion 455 (lump sum)	1,400.00	1,250.00	1,000.00	1,415.00
For installation of special work, portion 456 (lump sum)	1,400.00	1,250.00	1,000.00	1,450.00
For installation of special work, portion 457 (lump sum)	4,000.00	3,500.00	1,000.00	3,650.00
Extended totals	$45,485	$47,602	$48,058	$49,064

Streets and Roads (Continued)

La., De Ridder—For 6 in. concrete paving various streets, to Martin & Riling, Lake Charles. Engrs. est. $50,000.

Tenn., Sweetwater — Concrete curbing, guttering and crushed stone surfacing various streets, to Callaway & Fisher Constr. Co., Lenois City, approximately $80,000.

Ohio—Dept. Hys. & Pub. Wks., Columbus, grading, bridging and waterbound macadam paving 0.432 mi. Sect. "West Union" West Union-Manchester Rd. Adams Co., to Whitehill-Petrie, Peebles $6,046, 0.065 mi. Sects. "A and B" West Union-Hillsboro Rd., Adams Co., to Biehn & McCalla, Chillicothe $4,930, 2.986 mi. Sect. "B," Georgetown-Wilmington Rd., Brown Co., to T. L. Losey, Kenton, $43,908; bituminous macadam, tar paving, etc. 4.473 mi. Sect. "C," Milford-Hillsboro Rd., Clermont Co. to Craig & Jordan, Blanchester, $73,095; bituminous macadam, asphalt paving, etc. 4.129 mi. Sect. "L-1," Cincinnati-Chillicothe Rd., Highland Co., to A. K. Grandle, Leesburg, $11,740, 4.518 mi. Sects. "K-1" and "L" Fostoria-Carey Rds., Seneca Co., to V. J. Staib, Sycamore, $74,954; brick paving, etc. $74,954; Sect. "Smithville" Wooster-Akron Rd., Wayne Co., to Griggs-Anderson, Millersburg, $10,682; concrete paving, etc. 0.21 mi. Sect. "Stryker" Stryker-Evansport Rd., Williams Co., to Blue & Dillman, Napoleon, $10,464; concrete widening 3.071 mi. Sect. "P" Youngstown-Sharon Rd., Trumbull Co., to H. W. Baldwin, Willoughby, $16,421; drainage structures on Sect. "K 2" McConnellsville-Caldwell Rd., Morgan Co., to S. A. Kelsey Co., Youngstown, $20,113 and 6.859 mi. Sects. "M-2" and "N" Zanesville-Caldwell Rd., Muskingum Co., to Williams, Stone & McCoy Co., Columbus, $85,634. Grand total $413,172. Noted Oct. 15.

O., Canton—Stark Co., monolithic brick paving 1.5 mi. Johnsons Corners-Beechwood Church Rd., 16 ft., to Urban Bros. Co., Canton, $29,532. Engrs. est. $30,000.

O., Cleveland — To Baldwin Bros., 4500 Euclid Ave., grading, curbing, guttering and sheet asphalt surfacing 8,460 sq.yd. Fernway Ave. $22,304, West 17th St. $13,128 and West 42nd St. $7,874, to Cleveland Trinidad Paving Co., The Arcade, Hart Ave. $2,985, Redman Ave. $10,389, West 138th St. $7,208, West 14th St., $8,570 and West 15th St., $2,054; to Gould & Maybach, 16311 Saranec Rd., grading, curbing, guttering and vitr. brick surfacing Hale Ave. $14,372 and East 187th St. $27,590, to Roehl Bros., 7002 Denison Ave., Henninger Rd. $7,600, West 62nd St. $8,002, West 63rd St. $8,711, West 66th St. $10,142 and West 122nd St. $18,984, to Rieley Bros., The Arcade, East 121st St. $8,673, to Enterprise Paving & Constr. Co., 8444 Bway., Lorenzo Ave. $10,305, and Rexford Ave., $23,984. Grand total $212,875.

O., Cleveland — Curbing, guttering and sheet asphalt paving 10,860 sq.yd. Harvard Ave., to Cleveland Trinidad Paving Co., The Arcade, $45,128, 10,240 sq.yds. Worthington Ave., West 122nd and East 185th Sts., to Highway Constr. Co., Guaranty Title Bldg., $40,906; curbing, guttering and vitr. brick paving 15,335 sq.yds. West 162nd, East 8th, East 97th and West 37th Sts., to Baldwin Bros. 4,500 Euclid Ave. $78,618; sheet asphalt paving East 46th, East 47th and East 144th Sts., to Enterprise Paving & Constr. Co., 8444 Bway. East 46th St. $29,763, East 88th St., to Bentley Bros., Hanna Bldg., $5,364, East 105th and East 147th Sts., to Gould & Maybach, 16311 Saranec Rd., $62,279. Grand total $259,869. Noted Oct. 22.

O., Cleveland — Comrs. Cuyahoga Co., improving Harvard Rd. 4, 31,600 cu.yd. earth excav., 41,250 sq.yd. asphalt on concrete, etc., to Cleveland Trinidad Paving Co., The Arcade, $214,331.

Michigan—State Hy. Dept., Lansing, bituminous concrete paving 10.537 mi. Trunk Line Road 14-74 A Ingham Co. and 4.279 mi. Trunk Line Rd. 4-75, Jackson Co., by day labor. GG. C. Dillman, Lansing, highway engr.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Transportation Bldg., 3½ in. sheet asphalt on 8 in. paving 5,875 sq.yd. Reynolds Ave. $25,297, 2,140 sq.yd. Eastlawn Ave. $9,158, 2,825 sq.yd. Piper Ave. $11,954, 3,960 sq.yd. Washburn Ave. $16,831, 4,050 sq.yd. Lenox Ave. $17,347, 3,790 sq.yd. Riverside Dr. $15,999, 2,020 sq.yd. Newport Ave. $8,736, 5,420 sq.yd. Cecil Ave. $23,378, 1,305 sq.yd. Fortune St. $6,421, 9,100 sq.yd. Mendota Ave. $37,491, 8,050 sq. yd. Prairie Ave. $34,169, 2,060 sq.yd. Reid Ave. $10,752, 2,040 sq.yd. Kentucky Ave. $9,437, 6,000 sq.yd. Pinehurst Ave. $25,839, 4,120 sq.yd. Constance Ave. $19,120, 2,150 sq.yd. Larned St. $9,912, 3,490 sq.yd. Ashland Ave. $14,862, 3,465 sq.yd. Holmes Ave. $14,935; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 1,390 sq.yd. Yosemite Ave., $6,604; to White Constr. Co., Union Trust Bldg., 19,890 sq.yd. Mt. Elliott Ave., Sect. 1, $71,700, and 26,000 sq.yd. same avenue, Sect. 2, $97,766. Grand total $487,708. Noted Oct. 8.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 3, Sect. 80-W, Morgan Co., to Divine Constr. Co., Watseka, $11,361, Route 1, Sect. 49, Edgar Co., to A. J. Parish, Paris, $13,501, Route 1, Sect. 161-S, Cook Co., to A. Ward & Sons, Oak Glenn, $5,584, Route 16, Sect. 25, Macoupin Co., to W. C. Johnson, Belleville, $35,769, Route 42, Sect. 112-X, Cook Co. and Sect. 113-X, Lake Co., also bridge on Route 42, Sect. 112-B, Lake Co., to G. Welch, Beloit, Wis., $61,000; grading Route 3, Sect. 16-A, Whiteside Co., to Jenner Bros., Davenport, Ia., $12,142, Route 9, Sect. 8-A, Tazewell Co., to L. D. Lain, Bloomington, $49,880, Route 2, Sect. 3-V-1, Jackson Co., to H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, $7,770, Route 14, Sects. 11-A and 12-A, White Co., to Dees Bros., Oblong, $58,246. Grand total $255,253. Noted Nov. 5.

Ill., Chicago—J. J. Sloan, pres. Bd. Local Impvts., Room 207, City Hall, South Water Street Improvement, Warrent 50075 substructure and superstructure of Sects. 5-B, 6, 7 and 8, to Mid-Continent Constr. Co., 6 North Michigan Ave., $1,849,504. Noted Oct. 1.

Wis., Milwaukee — Dept. Pub. Wks., asphalt resurfacing Erie St. between railroad tracks and incinerator plant, to Badger Constr. Co., 97 Wisconsin St. $4,760; and National Ave. between 11th and 18th Aves., to White Constr. Co., 86 Wisconsin St. $28,280. Noted Nov. 5.

Ia., Audubon—Audubon Co., improving 7.782 mi. Federal Aid Project 52, 186,487 cu.yd. excav., etc., to G. W. Condon, 415 Farnam Bldg, Omaha, Neb., $25,581, and 5,375 ft. 6 in. and 925 ft. 12 in. tile drain, etc., to G. Cronkhite, Perry, $1,298; grading 8.53 mi. Federal Aid Project 208, to Callahan-Walker Constr. Co., 1106 1st Natl. Bank Bldg., Omaha, Neb.

Ia., Des Moines—To Des Moines Asphalt Paving Co., 2nd and New York Sts., improving 16,762 sq.yd. Forest Ave.; D brick surfacing from 19th to 23rd Sts. at $1.92 per sq.yd. and from 23rd to 27th St. $2.91, sheet asphalt surfacing from 27th to 34th Sts. $2.18, sheet asphalt resurfacing from 34th to Beaver Sts. $1.16, curbing at $0.53 per ft., reset curbing $0.39, curb and gutter $0.73, reset curb and gutter $0.38, concrete surfacing 1,200 sq.yd. 3rd St. at $2.18 per sq.yd., also D brick surfacing 1,752 sq.yd. Madison St. $2.92, and 5,104 sq.yd. Cornell St., $2.92; to Wright Constr. Co., 1325 Main St., D brick surfacing 1,378 sq.yd. 15th St. $3.05, 4,083 sq.yd. 38th St., $3.14, 4,540 sq.yd. 8th St. $2.02, vibrolithic surfacing 10,711 sq.yd. Urbandale St. $2.13, 2,106 sq.yd. Rose St. $2.14, and 5,580 sq.yd. DeWolf St. $2.07, also concrete surfacing 248 sq.yd. 11th St. $2.29, and 1,068 sq.yd. Enos St. $2.07; to Union Constr. Co., 200 New York St., D brick surfacing 22,941 sq.yd. Des Moines St. $2.83, and vibrolithic surfacing 3,308 sq.yd. Arthur St. $3.08.

Ia., Des Moines — Johnson Method 1 paving 5,212 sq.yd. Courtland Dr., to Wright Constr. Co., 1325 Main St. at $2.15 per sq.yd.; D brick surfacing 1,843 sq.yd. Clinton St., to Des Moines Asphalt Paving Co., 2nd and New York Sts., at $2.94. Noted Oct. 15.

Ia., Elkader — Grading, graveling, etc., Primary Roads 10, 13 and 20, to M. O. Weaver, Iowa Falls, $32,500.

Kan., Abilene — Dickinson Co., grading, etc., 7.147 mi. Federal Aid Project 29-A, and 8.315 mi. Federal Aid Project 29-B, both 28 ft., to L. W. Rexroad, Salina, $35,335 and $42,022 respectively. Noted Oct. 1.

Kan., Emporia—See "Bridges."

Kan., Kansas City—Wyandotte Co. rock asphalt resurfacing 0.995 mi. Smith Rd., 18 ft., to Roudebush & Roberts Bros., 6th and Northwestern Sts., $30,339.

South Dakota—State Hy. Dept., Pierre, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, to Tobin & Maloney, Madison, grading 17.11 mi. F.A.P. 204-A, Hutchinson-Turner Counties $63,775, gravel surfacing 13.16 mi. S.A.P. 108, Day-Marshall Counties $19,489, 10.06 mi. S.A.P. 104 and 105, Roberts and Grant Counties $12,858, 19.66 mi. F.A.P. 164, Brooklings and Moody Counties $24,782; to Dowd Bros. and Noonan-Hyde Co., Watertown grading 15.59 mi. F.A.P. 193-A, Brookings Co. $32,732, to R. P. England, Murdo, 13.39 mi. F.A.P. 202-A, Turner and Lincoln Counties, $32,936; to Wagner-Erling Co., Sioux Falls, gravel surfacing 5.37 mi. F.A.P. 187-A, Gregory and Charles Mix Counties $5,688, 18 mi. S.A.P. 122, Yankton, Turner and Clay Counties $21,731, and to H. Pickus Constr. Co., Sioux City, Ia., 4.58 mi. F.A.P. 138-B, Lawrence and Meade Counties $15,058. Grand total $229,049. Noted Oct. 15 and 22.

Ark., Little Rock — Grading, curbing, sewers, guttering and 2 in. Warrenite on 6 in. concrete surfacing 27,000 sq.yd. West 8th St., Dist. 429, to M. D. L. Cook, Southern Trust Bldg., $127,013. Engrs. est. $160,000.

Ark., Walnut Ridge—Grading, concrete surfacing 5,000 sq.yd. and gravel surfacing 11,000 sq.yd. Paving Dist. 1, to Hogan Constr. Co., 826 Southern Trust Bldg., Little Rock. Engrs. est. $26,000. Noted Aug. 27.

Tex., Abilene — Hard paving Walnut St. from 3rd to 8th Sts. and from 8th to 9th Sts., to West Texas Constr. Co., $58,413.

Tex., Denton—Denton Co., asphaltic concrete paving 8 blocks College Ave., West Mulberry and South Locust Sts., to W. M. Jagoe Co., Denton, $24,328.

Tex., Houston — Harris Co., bituminous concrete paving Louisiana St. from Capitol to Dallas Aves., to Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $33,806. Engrs. est. $35,000.

Tex., Jourdanton—F. V. Lanham, chn. State Hy. Comn., Austin, grading and bridging, etc., 4.68 mi. Highway 9, State Aid Project 628, 26 ft., Atascosa Co., to H. Kyle, Hutto, approximately $26,000.

Tex., Laredo—Webb Co., asphalt paving 1¼ mi. highway between paved streets of here and south end of Webb Co. line, to Southwestern Bitulithic Co., Gunter Bldg., San Antonio, approximately $26,000. Noted Aug. 20.

Okla., Blackwell—Grading and vertical fibre brick paving 8,840 sq.yd. Blackwell Ave., 9th and D Sts., to O. T. Tyler, 927 West Blackwell St., $40,180. Engrs. est. $46,995.

Okla., Chandler—Vertical fibre brick resurfacing 18,560 sq.yd. Manvel Ave., to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $104,209. Engrs. est. $109,658.

Okla., Okemah — Grading and concrete paving 15,800 sq.yd. Boston, Atlanta and North 5th Sts., to Park & Moran, 210 South Seminole St., Okmulgee, $55,625. Engrs. est. $59,200.

Colorado—State Hy. Dept., Denver, grading, etc., 20.62 mi. extension west from Ft. Morgan, Federal Aid 287-A, Morgan and Weld Counties, to H. C. Lallier Constr. Co., Hudson, $101,818; also railroad-crossing bridge with graded approaches between Nunn and Dover, Federal Aid 286-A, Weld Co., to Brown & Smith, Conifer, $35,162. Noted Nov. 5.

Wash., Everett—Bd. Pub. Wks., concrete paving Rainer Ave. between 15th and 24th Sts., to E. Wahl & Co., Everett $37,374. Engrs. est. $42,651.

Wash., Seattle—Bd. Pub. Wks., concrete paving 15th Ave. S.W., to J. L. Smith, 304 West 36th St., $26,650. Engrs. est. $27,000.

Oregon—State Hy. Dept., Salem, grading 12.54 mi. Herford-Mill Gulch Sect. Baker-Unity Highway, Baker Co., to H. E. Cornell, 1403 Warm Springs Ave., Boise, Idaho, $126,690; 11 mi. Washington Unit of Lena-Vinson Sect. Oregon-Washington Highway, Morrow and Umatilla Counties, to J. Hampshire, Grants Pass, $84,450, 4.2 mi. East Unit same highway to Logan Bros., Grants Pass $31,809; 28.2 mi. Lapine-Corral Springs Sect. Dalles-California Highway, Deschutes and Klamath Counties, to C. Nyberg, Spokane, Wash., $203,000; and 4.5 mi. North Powder-Muddy Creek Market Rd., Baker Co., to E. B. Bishop, Eugene, $34,702. Grand total $480,651.

Calif., San Diego—Common Council, asphalt and concrete paving Kansas St., to G. R. Daley, 4430 Boundary St., $37,470; 4 and 5 in. concrete paving Fay Ave., etc., to K. S. Heath, National City, $37,673. Noted Nov. 5.

Calif., Stockton — San Joaquin Co., to Irey & Holden, Lodi, improving Eight Mile, Wilhoit and Castle Rds., etc., 11,700 cu.yd. grading at $0.30 per cu.yd., 6,140 tons 2½ in. base course gravel $2,000, 4,470 tons 1½ in. top course gravel $2, etc. Noted Nov. 5.

Ont., Ford — Concrete paving Montreal Rd., Edna St. etc., to Merlo, Merlo & Ray, Ford. Engrs. est. $35,000.

Ont., Toronto—To Dufferin Constr. Co., foot Bathurst St., asphalt on concrete paving Lambert Ave. $3,633, Evelyn Ave. $4,730, and Steiner Ave. $3,305; to Dept. Pub. Wks., by day labor, bitulithic on concrete paving Harper Ave. $8,474, Hudson Ave. $7,844, and Rosedale Heights Dr. $10,771. Grand total $38,757.

Buildings—Industrial

PROPOSED WORK

Mass., Dorchester (Boston P. O.) — PLANT — Massachusetts Baking Co., 65 East Cottage St., had plans prepared by McFarland & Laurie, 162 Newbury St., Boston, 3 story, 30 x 85 ft., brick and steel addition, East Cottage St. $40,000.

Buildings—Industrial (Continued)

Mass., Worcester—FACTORY—Crompton & Knowles, 93 Grand St., had plans prepared by L. W. Briggs Co., 314 Main St., 4 story, 40 x 75 ft., brick and steel addition, Grand St. $50,000.

Mass., Worcester—FACTORY—Worcester Paper Box Co., 40 Austin St., plans brick factory unit. $40,000 or more.

Conn., Bridgeport—FACTORY—Raybestos Co., Bostwick and Railroad Sts., had plans prepared 2 story, brick addition. $60,000. Private plans.

Conn., Waterbury — FACTORY — Lux Clock Mfg. Co., 97 Sperry St., having preliminary plans prepared 5 story brick and steel unit, Sperry St. To exceed $40,000.

N. J., Belvidere — FACTORY — Sunbury Converting Wks., Sunbury, Pa., having plans prepared by O. Wandel, archt. and engr., c/o owners, for silk mill, dye plant, stamping mill, etc. $2,000,000. Railroad trestle, let to Bethlehem Constr. Co., Bethlehem, Pa.

N. J., Newark—BAKING PLANT—Continental Baking Co., 512 5th Ave., New York City, having plans prepared by C. B. Comstock, archt. and engr., 110 West 40th St., New York City, rein.-con. and brick, plain foundation, Fabyan Pl., here. $500,000.

Pa., Chester — PLANT — B. R. Brown, constr. engr. Dept. Ford Motor Co., Highland Park, Mich., soon lets contract 1 and 2 story, 455 x 812 ft. assembly building, 1 story, 63 x 60 ft. power house, 1 story, 74 x 163 ft. car delivery, 1 story, 18 x 41 ft. pumphouse, 1 story, 60 x 113 ft. oil house and oil storage tanks, all rein.-con., brick and steel, wood pile foundations, Front St. and Delaware River, here, for Ford Motor Co., Detroit, Mich. $1,000,000. A Kahn, Inc., 1000 Marquette Bldg., archts. Noted Mar. 19.

Pa., Hercules (Belfast P. O.)—PACKING HOUSE—P. M. Sax, archt., Penfield Bldg., Phila., soon lets contract 2 story and basement, 65 x 120 ft., rein.-con. and brick, plain foundation, here, for Hercules Portland Cement Corp., 1600 Walnut St., Phila.

Pa., Uniontown—ENAMELING PLANT —Richmond Radiator Co. having plans prepared 1 story, 40 x 136 ft., brick and steel plant addition. Private plans.

W. Va., Parkersburg—PLANT—Viscose Co., Marcus Hook, Pa., takes bids about Nov. 17, new plant, here. Ballinger Co., 12th and Chestnut Sts., Phila., Pa., archts.

N. C., Charlotte — POWER PLANT — Southern Power Co., 432 South Church St., plans 100,000 hp. emergency steam power plant. W. S. Lee, Charlotte, engr. Noted Sept. 24.

N. C., Columbus—COTTON FACTORY—Columbus Cotton Mills, Chimney Rock, plans concrete and steel textile plant, here. $100,000. G. J. Nord, Gastonia, engr.

Fla., Clearwater—LAUNDRY and DRY CLEANING PLANT — Clearwater Steam Laundry plans rein.-con. and brick laundry and dry cleaning plant. $125,000.

Fla., Hollywood — ICE PLANT, etc. — Hollywood Electric Light & Water Co., J. W. Young, genl. mgr., plans 94 x 239 ft., ice and coal storage plant. Private plans.

Ala., Chickasaw (branch Mobile)—MILL, etc.—J. M. Card Lumber Co., Rosevale Blvd., Chattanooga, Tenn., F. B. Daune, secy. and mgr., plans lumber plant, saw mill, planing mill and dry kiln with 1,000,000 ft. monthly capacity, here.

La., New Orleans — PLANT — Tropical Clothing Co., 205 Charles St., had plans prepared by H. Rabinovitz, 205 Strand Bldg., 3 story, rein.-con. and brick factory, Toulouse between Charles and Decatur Sts. $100,000. Noted Aug. 7.

Tenn., Nashville—BOTTLING PLANT—Coca Cola Bottling Co., 911 Berryhill St., having plans prepared by D. W. Southgate, Stahlman Bldg., 2 story, 100 x 172 ft., concrete, brick and steel, 15th and Church Sts. $50,000.

Tenn., Nashville—POWER PLANT, etc. — Election Dec. 17, $100,000 bonds, new boiler plant, power and heating plants. H. E. Howse, mayor.

Tenn., Shelbyville — MILL — Shelbyville Mills, Inc., H. B. Cowan, pres., purchased Sylvan Mills and plans new additions. $200,000.

O., Alliance—FACTORY—Stewart Bros. Paint Co., 204 South Seneca Ave., plans 2 story, 40 x 80 ft., brick, North Union Ave.

O., Newark—FACTORY—Pharis Tire & Rubber Co., A. R. Lindorf, pres., 765 West Main St., had plans prepared by Osborn Eng. Co., 7016 Euclid Ave., Cleveland, 2 story, 80 x 105 ft., brick, steel and concrete addition. $60,000. Noted Oct. 22.

O., Summitville—FACTORY—F. H. Johnson and H. P. Lynn of Summit Brick Co., plan rebuilding 1 story factory, incl. power plant and main manufacturing building, recently destroyed by fire. $50,000.

Ill., Rockford — FACTORY — Nelson Knitting Mills, 600 South Wyman St., making plans 1 and 2 story, 180 x 200 ft., rein.-con. and brick factory, plain foundation. $200,000. Private plans. Foundation for same awarded, to Holm-Page Co., Kishwaukee St.

Wis., Antigo—WOODWORKING PLANT —Vulcan Last Co. plans 2 story, brick and concrete, plain foundation. To exceed $40,000. Engineer and architect not selected.

Wis., Madison—PLANT—Ripp & Son Co., c/o F. Ripp, 1672 East Mifflin St., plans 2 story, brick, concrete and steel, plain foundation, Mifflin St. $40,000. Engineer and architect not selected.

Wis., Milwaukee—POWER HOUSE and LAUNDRY—Milwaukee Hospital, 22nd and Cedar Sts., had plans prepared 3 story, 60 x 70 ft., brick and concrete addition, plain foundation. $60,000. R. Cramer, 1195 Vliet St., engr.

Wis., Polar—SAW MILL—T. D. Kellogg Lumber Co., Superior St., Antigo, having plans prepared 2 story, timber saw mill, plain foundation. $50,000. Private plans. Noted Oct. 8.

Wis., Racine — MANUFACTURING — J. Sorensen & Son Co., Berryville Rd., plans 1 and 2 story, 52 x 250 ft., concrete block, plain foundation. $65,000. Engineer and architect not selected.

Wis., Racine — PRINTING PLANT — Western Printing & Lithographing Co., 213 State St., purchased site and plans (1st unit) 2 story, brick and concrete printing plant, plain foundation, Liberty St. $40,000. Engineer and architect not selected.

Minn., Montgomery — CANNERY — Minnesota Valley Canning Co. plans brick and concrete plant. $250,000.

Kan., Kansas City — WAREHOUSE, etc. —Southard Feed & Milling Co., 905 North 3rd St., plans fireproof warehouse, 11 concrete grain storage tanks 100,000 bu. capacity, 350 ft. rein.-con. loading deck. $100,000.

Neb., Omaha—GARAGE, SHOPS, etc.—Metropolitan Utilities Dist., City Hall, having plans prepared by T. A. Leisen, engr., City Hall, 2 story and basement, rein.-con., brick and steel, probably at 20th and Center Sts. $225,000.

S. D., Sioux Falls — LIGHT PLANT — Plans election $300,000 bonds electric light plant. W. C. Leyse, city aud.

Mo., Fayette—HEATING PLANT—See "Buildings—Educational, Religious."

Mo., Owensville—PLANT—All Locking Zinc Shingle Mfg. Co., J. T. Tate, secy., plans 1 story, 50 x 155 ft. plant. $40,000.

Mo., Sedalia—RECLAMATION PLANT —Missouri Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, plans reclamation plant at shops, here. E. A. Hadley, ch. engr.

Ark., Little Rock—BAKERY—J. O. Patterson Corp., 3110 Gilham Rd., Kansas City, Mo., having plans prepared by McKecknie & Trask, 224 Board of Trade Bldg., Kansas City, Mo., 2 story and basement, 120 x 120 ft., rein.-con., brick and terra cotta bakery, here. $135,000. Owners will probably build by day labor. H. A. Noble, 719 Pioneer Trust Bldg., Kansas City, Mo., structural engr.

Tex., Fort Worth—MANUFACTURING—Manufacturing & Wholesalers Assn., c/o B. B. Buckeridge, plans 12 story, rein.-con., brick and stone, Commerce and 16th Sts. $500,000. Engineer and architect not selected.

Tex., Kingsville—ICE PLANT—Kingsville Produce & Milling Co. plans 20 ton refrigerator and cold storage plant. $50,000. Private plans.

Tex., Luling—FLOUR MILLS—S. T. Green, plans flour mill, 60 car capacity, etc. $100,000. Engineer and architect not announced.

Tex., San Antonio — BOOKBINDING PLANT — Universal Publishing Syndicate, 1512 North 13th St. Phila., Pa., purchased plant of Pickard Bookbinding Co., 11½ Soledad St., here, and plans enlarging same. $100,000. Private plans.

Tex., Sinton—ICE PLANT—Sinton Electric & Ice Co., soon takes bids ice plant, 30 ton capacity, concrete and brick. $100,000. Private plans.

Tex., Sweetwater—ICE PLANT—Sweetwater Ice & Cold Storage Co., and West Texas Electric Co., plan doubling capacity of present ice plant, also 40 mi. transmission line from here to Snyder, etc. $250,000. Private plans.

Okla., Muskogee — PLANT, WAREHOUSE, GARAGE, etc. — Continental Oil Co., Continental Bldg., A. Southworth, supt., having plans prepared by W. R. M. McFeeley, c/o owner, 30 x 40 ft. warehouse, 10 x 112 ft. garage, etc. $300,000. Noted Oct. 22.

Wash., Tacoma — INSECTICIDE FACTORY — Latimer-Goodwin Chemical Co., Grand Junction, Colo., C. A. Latimer, pres., purchased site and plans plant on Tacoma tideflats, here.

Calif., Los Angeles—HOSIERY MILLS—Hollywood Silk Hosiery Mills, 6762 Hollywood Blvd., Hollywood, plans 4 story factory, Las Palmas Ave. and Santa Monica Blvd. Engineer and architect not selected.

Calif., Napa — REFINERY—Northwestern Sugar Refining Co., c/o S. H. Wyckoff, plans sugar refinery. To exceed $100,000.

Calif., Vernon — MACHINE SHOP — Percival Iron & Steel Co., 232 Allison St., Los Angeles, had plans prepared rein.-con. and steel, Santa Fe Ave. To exceed $100,000. Private plans.

T. H., Hawaii—PACKING PLANT—P. L. Bush, engr., 101 California St., San Francisco, Calif., soon takes bids steel and concrete packing plant on Island of Maui, here, for California Packing Corp., 101 California St. $1,000,000.

BIDS DESIRED

Mass., Fall River — GARAGE and REPAIR SHOP — Fall River Gas Wks. Co., 393 Madison Ave., taking bids 1 story, 55 x 119 ft., rein.-con. and brick garage and repair shop. To exceed $40,000. Stone & Webster Inc., 147 Milk St., Boston, archts.

Mass., South Boston (Boston P. O.) — FACTORY—Gillette Safety Razor Co., 41 West 1st St., taking bids 8 story and basement, 73 x 167 ft., blade building, West 1st St., $450,000, C. T. Main, 200 Devonshire St., Boston, engr., and 8 story and basement, 75 x 152 ft. handle building, West 1st and Granite Sts., $400,000, Monks & Johnson, 99 Chauncy St., Boston, engrs.

Pa., Phila. — GALVANIZING PLANT — Nov. 17, by Harris & Richards, archts., Drexel Bldg., 1 story, 28 x 252 ft., brick and concrete, plain foundation, 68th and Glenmore Sts., for General Electric Co.

Miss., Vicksburg—PLANT—See "Contracts Awarded."

Wis., Milwaukee — FACTORY — J. Bruecker, archt., 496 Cramer St., taking bids 1 story, 62 x 137 ft., brick and timber, plain foundation, North Side. $40,000. Owner's name withheld.

Wis., Milwaukee—FACTORY—Dick & Bauer, archts., 811 State St., taking bids 2 story, 40 x 80 ft., brick and concrete, plain foundation, Richards St. $40,000. Owner's name withheld.

Wis., Milwaukee—MANUFACTURING—R. Messmer & Bro., archts., 221 Grand Ave., taking bids remodeling 4 story, brick and timber or brick and concrete plant, Huron St., for Welloner Estate, 3324 Sycamore St. $40,000. Reichardt Automotive Equipment Co., 91 Huron St., lessee.

Neb., Minatare—SUGAR FACTORY—See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.) — REPAIR and SERVICE GARAGE — Massachusetts Wharf Coal Co., 30 Kilby St., Boston, 1 story, 77 x 164 ft., rein.-con., brick and stone, plain foundation. Harvard and Main Sts., here, to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. $50,000

Mass., Stoneham — FACTORY — J. J. Grovers Sons Co., Lynn, 3 story, 52 x 138 ft. rein.-con. and hard pine factory, to M. C. Tuttle Co., Park Sq. Trust Bldg., Boston.

R. I., Pawtucket—PLANT—Stillwater Worsted Co., 1 story, 30 x 240 ft., timber addition, plain foundation, to Central Eng. and Constr. Co., Pawtucket. Archts. est. $40,000.

Conn., Bridgeport—POWER PLANT, etc. —Bullard Machine Tool Co., Brewster and Camfield Sts., steam heating and power plant, to Files Eng. Co., 168 Thompson St. Engrs. est. to exceed $40,000.

Conn., Fairfield — FACTORY — Dupont Fabricoid Co., Inc., 1 story, 50 x 125 ft. spreader building addition, and 42 x 75 ft. acid and vapor building addition, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Archts. est. $65,000.

Conn., Greenwich — REPAIR and SERVICE — Putnam Corp., 1 story and basement, 80 x 112 x 206 ft., brick and steel, to Saston-Gerard Co., 19 West 44th St., New York City. Archts. est. to exceed $40,000.

Conn., Waterbury—MANUFACTURING —Amer. Metal Hose Co., 67 Jewelry St., 3 story, brick and steel, plain foundation, to Tracy Bros. Co., 57 Benedict St. Archts. est. $90,000.

N. Y., Coney Island (Sta. Brooklyn) — REPAIR SHOP—Bd. Transportation, 45 Lafayette St., New York City, enclosure main repair shop at Coney Island Yard, here, to P. J. Carlin Constr. Co., Grand Central Terminal, New York City, $1,700,000. Noted Oct. 29.

Pa., Phila. — FACTORY — Philadelphia Shovel Co., Tacony and Sanger Sts., 1 story, rein.-con. and brick, plain foundation,

Buildings—Industrial (Continued)

here, to W. W. Lindsay & Co., Harrison Bldg. Engrs. est. $45,000.

Pa., Phila. — MILL — Oliver Knitting Mills, Hancock and Allegheny Sts., 3 story and basement, 90 x 120 ft., rein.-con. and brick addition, to W. Steele & Son, 219 North Broad St. Engrs. est. $100,000.

Pa., Phila. — MILL — Spuntex Knitting Mill, Sedgley and L Sts., 2 story and basement, 92 x 93 ft., rein.-con. and brick, plain foundation, to W. Steele & Son, 219 North Broad St. Archts. est. $60,000.

Pa., Phila.—SHOP and BOILER HOUSE —Phila. Eng. & Mchy. Co., 1130 Race St., 1 story, 50 x 198 ft., brick and steel, plain foundation, 58th and Ludlow Sts., to D. Henwood, 717 South 63rd St.

Miss., Jackson—BOTTLING PLANT—Jackson Coca Cola Bottling Wks., 2 story and basement, 60 x 80 ft., brick and concrete, Pearl St., to W. G. Wetmore, Meridian. Noted Oct. 15.

Miss., Vicksburg—PLANT—Lamb-Gary Mfg. Co., Box 675, will build 72 x 250 ft. flooring factory, 50 x 200 ft. warehouse, 36 x 72 ft. power house, all brick and concrete, by day labor; 126 x 127 ft. concrete and brick dry kiln, to Moore Dry Kiln Co., Jacksonville, Fla. Archts. total est. $125,000.

O., Akron—FACTORY—General Tire & Rubber Co., A. G. Stoller purch. agt., 3 story and basement, 100 x 100 ft., brick and steel addition, to Carmichael Constr. Co., Central Savings Bldg. Archts. est. $75,000.

O., Sandusky—FACTORY—Paper & Textile Products Co., W. H. Millspaugh, pres., 1 story, 66 x 100 ft., brick, steel and concrete addition, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $40,000.

O., Marietta — FACTORY — Schenck & Williams, archts., Mutual Home Bldg., Dayton, general contract 4 story, 60 x 510 ft., brick and rein.-con. factory, and 3 story, 60 x 225 ft. office building, here, for Marietta Safe Cabinet Co., W. W. Hopp, genl. mgr., to R. R. Kitchen Co., 37 19th St., Wheeling, W. Va., $500,000. Noted Oct. 15.

Ind., Evansville — WAREHOUSE, etc. — Ohio Valley Roofing Co., general contract 3 story, 100 x 150 ft., brick warehouse and fabricating plant, 2nd Ave., to Hoffman Const. Co., 403 Furn Bldg., Evansville, approximately $80,000.

Ill., Blue Island — PLANT — Illinois Cooperage Mfg. Co., 220 South State St., Chicago, general contract 135 x 150 ft. plant and 47 x 76 ft. boiler plant, etc., concrete and brick, to Tooker-Steinhart Co., 421 Western Ave. Archts. est. $150,000.

Ill., Chicago — FACTORY and WAREHOUSE — Amer. Can. Co., 104 South Michigan Ave., masonry and carpentry contract 3 story, 148 x 167 ft. brick and timber, 6007-6033 South Western Ave., to Starrett & Dilks Co., 160 North La Salle St. Archts. est. $200,400.

Ill., Chicago—SWITCH HOUSE, etc.—Commonwealth Edison Co., 72 West Adams St., Switch House, 3 story, 68 x 91 ft., brick addition to switch house, to G. F. Meyne, 127 North Dearborn St., $155,000; also 4 story, 50 x 100 ft., brick and steel addition to frequency charger house, 2200-2262 Fisk St., to J. W. Snyder, 307 North Michigan Ave., archts. est. $175,000. Noted Aug. 27.

Ill., Freeport—GLASS BOTTLE PLANT —W. T. Rawleigh Co., 415 East Washington St., 1 story and basement, rein.-con. and brick glass bottle and power plant, to H. L. Dixon, Box 104, Pittsburgh, Pa.

Ill., South Chicago (sta. Chicago) — FACTORY — Valley Mould & Iron Co., Sharpsville, Pa., 1 story, 200 x 816 ft., 3100-3138 East 108th St., here, to Hanson Constr. Co., 87th St. and Baltimore Ave., Chicago. Engrs. est. $136,000.

Wis., Appleton—MACHINE ROOM and FILTER — Fox River Paper Co., South Oneida St., E. L. Small, ch. engr., 1 story, 80 x 102 ft., brick and concrete, plain foundation, South Oneida St., to C. R. Meyer & Son, 50 State St., Oshkosh. Archts. est. $60,000.

Wis., Kenosha — GARAGE, SERVICE SHOP and STORAGE — Wisconsin Gas & Electric Co., Public Service Bldg., general contract garage, service shop, storage, etc., to G. Linderman, 307 Lake St. Archts. est. cost $125,000.

Wis., Kilbourn — CREAMERY—Kilbourn Co-Operative Creamery Co., B. Landt, mgr., 2 story, 56 x 64 ft., brick and concrete, plain foundation, to Appleton Constr. Co., I. O. O. F. Bldg., Appleton. Archts. est. $40,000.

Wis., Kohler — BRASS FACTORY — Kohler Co., 5 story and basement, 82 x 200 ft., brick and concrete, plain foundation, to H. Schmitt & Son, 430 Farwell Ave., Milwaukee. Archts. est. $200,000.

Wis., Milwaukee — CARBONIZATION PLANT — Milwaukee Electric Railway & Light Co., Pub. Serv. Bldg., 24 x 40 ft. carbonization plant, 140 ft. high, steel and corrugated iron, plain foundation, Lake Rd., to Milwaukee Bridge Co., 1400 34th St. Engrs. est. to exceed $40,000.

Wis., Milwaukee — FACTORY — Slocum Straw Wks., 656 Natl. Ave., 2 story and basement, 60 x 62 ft., brick and steel addition, Natl. Ave., to Quast Constr. Co., 964 47th St. Archts. est. $40,000.

Wis., Milwaukee — FACTORY — Claus Automatic Gas Cock Co., 1614 Booth St., 1 story, 100 x 125 ft., brick and concrete addition, plain foundation, to T. Siderits Constr. Co., 1591 2nd St. Archts. est. $50,000.

Wis., Milwaukee — FOUNDRY and PATTERN STORAGE — Crucible Steel Casting Co., 612 Clinton St., 1 story, 40 x 60 ft. and 136 x 382 ft., brick and steel, plain foundation, 11th Ave. and railroad tracks, to W. W. Oeflein, Inc., 86 Michigan Ave. Archts. estimate $120,000. Noted Jan. 1.

Wis., Milwaukee—MANUFACTURING—A. O. Smith Corp., 27th St. and Keefe Ave., general contract 1 story, 162 x 560 ft., rein.-con., brick and steel, plain foundation, Keefe Ave., to Meredith Bros., 253 Washington St.; structural steel, to Milwaukee Bridge Co., 1400 34th St.

Wis., Two Rivers—MANUFACTURING —Aluminum Goods Mfg. Co., 5th and Franklin Sts., Manitowoc, 5 story and basement, 137 x 148 ft., rein.-con. and steel, plain and wood pile foundation to W. W. Oeflein, Inc., 86 Michigan St., Milwaukee. Archts. est. $250,000. Noted Oct. 22.

Wis., Oshkosh — FACTORY — Foster-Lothman Mills, 4th and Minnesota Sts., 2 story, 60 x 160 ft., brick and timber addition, plain foundation, to Fluor Bros. Constr. Co., 52 Otter St. Archts. est. $40,000.

Wis., Racine—WAX FACTORY—S. C. Johnson & Son Co., 1012 16th St., 1 story, 62 x 150 ft., brick and timber addition, 16th St., to A. C. Kappel, 526 Wisconsin St. Archts. est. $40,000.

Wis., Waukesha—FACTORY—Manitowoc Church Furniture Co., 1214 Lincoln Ave., 1 and 2 story, 77 x 200 ft., brick and tile addition, plain foundation, to C. A. Dailey & Son, 735 North Grand Ave., Waukesha.

Wis., Wauwatosa — FOUNDRY—Liberty Fdry. Co., 57th and State Sts., 1 story, 80 x 100 ft., brick and steel addition, plain foundation, State St., to W. F. Tubesing Co., 373 Bway., Milwaukee. Engrs. est. $50,000.

Neb., Minatare—SUGAR FACTORY—Great Western Sugar Co., Scottsbluff, will build 2 story and basement sugar factory, here, by day labor. $1,000,000 upwards. Private plans.

Mo., St. Louis—ELECTRICAL EQUIPMENT PLANT — Killark Electrical Mfg. Co., 3940 Easton Ave., rebuilding 1 story, 140 x 180 ft., rein.-con., Easton St., recently destroyed by fire, to Kenton-Hercules Constr. Co., Wainwright Bldg., $60,000.

Mo., St. Louis — LAUNDRY MACHINERY PLANT—Lloyd Insurance & Investment Co., Chemical Bldg., 4 story and basement, 77 x 109 ft., rein.-con. and brick, 5147 Natural Bridge Ave., to W. H. Cunliff, 410 North Euclid Ave. Archts. est. $75,000.

Tex., Harlingen — ICE PLANT — Valley Electric & Ice Co., 1 story, rein.-con., stucco, and brick, plain foundation, to Sumner Sollitt Co., c/o Natl. Bank of Commerce, San Antonio, approximately $40,000.

Okla., Tulsa—ICE CREAM FACTORY—Purity Ice Cream Co., 304 West 1st St., general contract 2 and 3 story, 60 x 175 ft., concrete and brick factory, to Molitor & Everard, Tulsa. Archts. est. $90,000 or more. Noted Oct. 22.

Wash., Longview — WAREHOUSE — See "Unclassified."

Calif., Los Angeles — FACTORY and STORE — R. Hale, 6619 Franklin Ave., 3 story, 98 x 156 ft., brick and timber, 301-09 East Pico St., to Miller & Hale, 5412 Santa Monica Blvd., $60,000. Noted July 16.

Calif., Riverside — FACTORY — Soda Potash Products Co., 10 units each 95 x 200 ft., brick and steel factory, 50 ft. high, to Union Eng. Co., 301 Bartlett Bldg., Los Angeles, $1,250,000.

B. C., Powell River — PAPER MILL — Powell River Co., Ltd., 2 story and basement, 150 x 450 ft., rein.-con. and steel, to Armstrong Morrison Co., Ltd., Bower Bldg., Vancouver, $250,000; structural steel, to Vulcan Iron Wks., Granville Island, Vancouver, $40,000.

Buildings—Commercial

PROPOSED WORK

Me., Portland—Y. M. C. A., G. West, pres., had plans prepared by J. P. Thomas, 537 Congress St., 5 story, 120 x 150 ft., brick, stone and concrete, Forest Ave. $300,000.

Vt., Brattleboro — THEATRE — E. W. Benson, c/o J. Tuck, archt., Park Sq. Bldg., Boston, Mass., having plans prepared 4 story and basement, brick and steel, Main and High Sts., here. $250,000.

Mass., Attleboro — THEATRE — Eagles Home Building Assn., having sketches made by J. A. Tuck, 459 Park Sq. Bldg., Boston, 2 story and basement, 132 x 190 ft., brick and terra cotta, Bank St. $175,000.

Mass., Boston—MERCANTILE—R. M. Dobbins, 209 Washington St., having plans prepared by R. H. Doane, 162 Newbury St., 6 story and basement, brick, steel and limestone, plain foundation, City Hall Ave. and Pie Alley. To exceed $150,000.

Mass., Everett (Boston P. O.)—STORE—Outlet Furniture Co., H. Soule, 336 Bway., plans 2 story and basement, 60 x 130 ft., brick store. $150,000. Engineer and architect not selected.

Mass., Hyannis—HOTEL—A. Keefe, 84 Massachusetts Ave., Boston, plans brick addition, Bay View Inn. $150,000. Engineer and architect not selected.

Mass., Lowell — POLICE HEADQUARTERS — City, A. Donavan, chn. com., plans brick police headquarters, Market St., $150,000-$200,000. Engineer and architect not selected.

Mass., Somerville (br. Boston) — THEATRE — J. Tuck, archt., 439 Park Sq. Bldg., Boston, preparing plans 2 story, 100 x 200 ft., brick and terra cotta, plain foundation, 303 Bway., here. $160,000. Owner's name withheld.

Mass., Webster—STORE, OFFICE and APARTMENT — L. H. Tiffany, 299 Main St., having plans prepared by T. S. Tenney, 101 Park Ave., New York City, 3 story, brick and semi-fireproof, Main St. $150,000.

Conn., Hartford—BANK—Bankers Trust Co., 18 Asylum St., M. B. Brainard, pres., having plans prepared by W. F. Brooks, Lewis and Gold Sts., new bank, Farmington Ave. To exceed $150,000. Noted July 23.

Conn., Meriden—HOTEL—B. N. Rosenbaum & Co., Inc., 40 Exchange Pl., New York City, H. Israel, mgr., 20 Pratt St., Meriden, had plans prepared by F. M. Greisler, 1035 Walnut St., Phila., Pa., 8 story, brick and steel, plain foundation, Pratt and East Main Sts., here. $400,000.

Conn., Milford—HOTEL—Milford Arms, J. J. Gilli, proprietor plans 100 room addition, Post Rd. and Golden Hill St. $150,000 or more. Engineer and architect not selected.

Conn., New Haven—BUSINESS—Sherman Constr. Co., 157 Winthrop Ave., having plans prepared by L. J. A. Julianelle, 59 Asylum St., 2 story and basement, 170 x 200 ft., rein.-con., brick and steel, plain foundation, George St. $150,000.

Conn., Norwich—HOSPITAL—State Hospital Comn., Hartford, F. M. Salmon, comptroller, having plans prepared by Cudworth & Thompson, Disco Bldg., 3 brick and timber buildings, incl. patients ward, employers and administration building, at Tuberculosis Hospital, here. $150,000. Noted Sept. 10.

N. Y., Albany — HOSPITAL — State Hospital Comn., Albany, plans fireproof administration building at Albany Hospital. $800,000.

N. Y., New York — APARTMENTS — Rucco Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., having plans prepared two 6 story, brick, steel and stone, plain foundations, Arden St. $250,000 each.

N. Y., New York — APARTMENT — Thirty-Seven Sickles St. Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., having plans prepared 6 story, 90 x 225 ft., brick, steel and stone, plain foundation, Sickles St. $450,000.

N. Y., New York — APARTMENT — I. L. Crausman, archt. and engr., 370 East 149th St. preparing plans brick, steel and stone, plain foundation, East 181st St. $250,000. Owner's name withheld.

N. Y., New York — APARTMENT — Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., preparing plans 9 story, 50 x 100 ft., brick, steel, and stone, plain foundation, West 90th St. Owner's name withheld.

N. Y., New York—APARTMENT—D. S. Lang, archt. and engr., 110 West 34th St., preparing plans 5 story, brick, steel and stone, plain foundation, 174th St. and Montgomery Ave. $250,000. Owner's name withheld.

N. Y., New York — CLUBHOUSE — Knights of Columbus, 2605 Grand Concourse, soon takes bids brick, steel and stone, plain foundation, Grand Concourse. $200,000. W. A. Giesen, 603 East Tremont Ave., archt. and engr.

N. Y., New York—EXCHANGE—New York Telephone Co., 15 Dey St., having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison

Buildings—Commercial (Continued)

Ave., 3 story, 100 x 140 ft., brick, steel and stone, plain foundation, Arden St. $500,000.

N. Y., New York — HOSPITAL — Babies Hospital, 135 East 55th St., having preliminary plans prepared by H. C. Pelton, archt. and engr., 151 West 42nd St., brick, steel and stone, plain foundation, Bway. and 168th St. $1,000,000.

N. Y., New York—LOFT—Fur Manufacturers Building Co., Inc., c/o Schwartz & Gross, archt. and engr., 347 5th Ave., soon takes bids 50 x 100 ft., brick, steel and stone, plain foundation, West 39th St. $1,000,000. Noted July 9.

N. Y., New York — LOFT — Shekter & Kaplan, 129 West 28th St., soon take bids 14 story, brick, steel and stone, plain foundation, West 28th St. $250,000. H. I. Oser, 1440 Bway., archt. and engr.

N. Y., New York — MEDICAL — E. Lignante, 29 West 34th St., having sketches made by Caughey & Evans, archts. and engrs., 29 West 34th St., 12 story, brick, steel and stone, plain foundation, Central Park West. $4,000,000.

N. Y., Rochester—HOTEL—Beaver Valley Hotel Corp., having plans prepared by G. B. Post & Sons, 101 Park Ave., New York City, 6 story and basement, 90 x 111 x 137 ft., rein.-con., brick and tile, plain foundation. Day & Zimmerman, 600 Walnut St., Phila., Pa., engrs. and constr. mgrs.

N. J., Camden—OFFICE—J. O. Wilson, 4th and Market Sts., et al., having plans prepared by L. B. Rothschild, 215 South Broad St., Phila., Pa., 12 story office building, Cooper St. $1,000,000.

Pa., Beaver Falls—HOTEL, BANK, OFFICE, etc.—G. Davidson, 1st Natl. Bank Bldg., having plans prepared by E. E. Bailey Co., Oil City, 6 story and basement, stone or granite and steel, 7th Ave. and 12th St. $700,000.

Pa., Chester—THEATRE, STORE and APARTMENT—H. C. Gordon, c/o G. W. Carey, Lincoln Bldg., Phila., having plans prepared by R. R. Neely, 2301 Spruce St., Phila., 5 story and basement, 130 x 150 ft., rein.-con., brick and steel, plain foundation, 3rd and Central Sts. $500,000.

Pa., Phila.—APARTMENT—B. Shulman, archt., 1722 Arch St., made plans 10 story and basement, 112 x 190 ft., rein.-con., brick and steel, plain foundation, Central City Section. $1,500,000. Owner's name withheld.

Pa., Phila.—APARTMENT and STORE—D. Krekstein, Bulletin Bldg., having plans prepared by L. Tonk, 206 Bailey Bldg., 2 story and basement, 92 x 100 ft., brick and steel, plain foundation, Mt. Airy and Germantown Aves. $160,000.

Pa., Phila. — APARTMENT — Parkway Apartment Corp., c/o F. W. Greisler, archt., 1035 West Walnut St., having plans prepared and soon takes bids 14 story and basement, 110 x 170 ft., rein.-con., brick and steel, plain foundation, 33rd and Columbia Sts. $1,750,000.

Pa., Phila. — OFFICE — L. Rothschild, archt., 215 South Broad St., making preliminary plans 15 story and basement, approximately 50 x 150 ft., rein.-con., brick and steel, plain foundation, Juniper and Arch Sts. Owner's name withheld.

N. C., Asheville—GARAGE—T. C. Coxe, c/o F. Coxe Co., having plans prepared by A. Wirth, 3 story, 128 x 140 ft., rein.-con., brick and steel garage. $240,000.

N. C., Raleigh — UNION STATION — Lockwood, Greene & Co., engrs., 24 Federal St., Boston, Mass., making surveys site for Union Station, here, for Southern Ry., 1425 F St., N. W., Wash., D. C., B. Herman, ch. engr, Seaboard Air Line, Union Station, Savannah, Ga., W. D. Faucette, ch. engr., and Norfolk Ry., Terminal Station, Norfolk, Va., F. L. Nicholson, ch. engr.

Ga., Athens—ADMINISTRATION—University of Georgia having preliminary plans prepared by Hentz, Reed & Adler, Candler Bldg., Atlanta, administration building. $300,000.

Fla., Arcadia—HOSPITAL—DeSoto Co. voed $300,000 bonds, hospital.

Fla., Fort Myers—HOTEL—Heitman Estate plans 10 story hotel, 1st St. $200,000.

Fla., Kissimmee—HOTEL—Gilbert Hotel Corp., plans hotel, Bway. and Main St. $450,000.

Fla., Miami — CLUB — Miami Athletic Club soon lets contract for club. $1,500,000. J. Eberson, Miami, archt. and engr.

Fla., St. Petersburg—STORE and OFFICE—Baker Bros. Co., Inc., plans 8 story, store and office building, Northeast 4th St. and 26th Ave. N. $400,000.

Fla., Tampa — APARTMENT — W. L. Bottomley, archt., 112 East 55th St., New York City, N. Y., preparing plans 3 story, 75 x 175 ft., hollow tile and stucco, Temple Terrace, here. $250,000. Owner's name withheld.

Miss., Gulfport — STORAGE WAREHOUSE — Bonded Warehouse & Storage Co., soon takes bids 5 story, rein.-con. storage warehouse and refrigeration plant annex. $2,000,000. W. C. Lester, Arcade Bldg., Memphis, Tenn., archt.

O., Cleveland — FIRE STATION — City, W. R. Hopkins, mgr., City Hall, having plans prepared by H. Krogelius, City Hall, 2 story and basement, brick, steel and concrete, East 185th St. and Nottingham Rd. $150,000.

O., Cleveland—THEATRES—Playhouse Foundation, c/o C. S. Brooks, pres., 7298 Cedar Ave., having preliminary plans prepared by P. L. Small & C. B. Rowley, Union Bldg., 1 and 3 story and basement, 125 x 150 ft., brick, steel and concrete theatre, East 86th St. and Drury Lane. $200,000.

Ind., Terre Haute — HOTEL — Heirs of Crawford Fairbanks having plans prepared by W. E. Russ, archt. and engr., Indianapolis, 11 story and basement, 80 x 150 ft., 7th and Wabash Sts. $900,000.

Mich., Detroit — APARTMENT — P. R. Rossello, archt., 406 Congress Bldg., preparing preliminary plans 10 story and basement, 98 x 165 ft., rein.-con., brick and steel, John R St. Owner's name withheld.

Mich., Detroit — APARTMENT — W. Bayer, c/o A. Kahn, archt., 1000 Marquette Bldg., takes bids about Nov. 17, 7 story, 147 x 159 ft., rein.-con., brick, plain foundation, Seward Ave.

Mich., Detroit — APARTMENT — R. T. Lee, General Motors Bldg., having plans prepared 3 story and basement, brick and steel, plain foundation, Quincy, Blaine and Radford Aves. $350,000. Private plans.

Mich., Detroit—OFFICE—Park Davis & Co., 2951 Atwater St., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 4 story and basement, 65 x 100 ft. rein.-con. and brick, Atwater St. $150,000.

Mich., Detroit—OFFICE, etc.—Westinghouse Electric & Mfg. Co., 4584 Maybury Grand Ave., plans office, shop, warehouse, etc., Trumbull Ave. $500,000. Private plans.

Mich., Detroit — TEMPLE — Arbeiter Temple, c/o L. Kamper, archt. Kamper Bldg., Cass Ave., having plans prepared 3 story and basement, 110 x 140 ft., rein.-con. and brick lodge temple, plain foundation Cass Ave. $150,000.

Mich., Pontiac—HOTEL—S. Plotkin, 120 West Montcalm St., Detroit, had plans prepared by Fisher Bros., 24 West Huron St., 4 story and basement, 103 x 140 ft., rein.-con., brick and steel, plain foundation, Perry St. $200,000.

Ill., Chicago — APARTMENT — J. N. Bantsolas, 2357 East 67th St., plans 14 story, 120 x 179 ft. apartment, 67th St. and Oglesby Ave. $1,150,000. Engineer and architect not announced.

Ill., Chicago—HOSPITAL, etc.—Comrs. Cook Co., Room 519 County Bldg., had plans prepared by E. E. Hall, 123 West Madison St. and takes bids about Jan. 4, Childrens Hospital, 8 story and basement, 48 x 237 ft., with 47 x 75 ft. wing, Receiving Building, 3 story and basement, 170 x 172 ft., H shaped, and Mens Ward, 7 story and basement, 47 x 237 ft.; also plans later Morgue, 3 story and basement, 107 x 134 ft., T shaped, all above rein.-con., brick and steel and connected by tunnels, Harrison, Wood, Polk and Lincoln Sts. $2,500,000.

Ill., Chicago—OFFICE, etc.—Union News Co., 507 West Monroe St., having plans prepared by Fellheimer & Wagner, 155 East 42nd St., New York City, N. Y., 12 story, 100 x 125 ft., office and storage building, 717 West Jackson Blvd. $1,000,000.

Ill., Chicago—OFFICE—F. D. Chase, Inc., archts., 720 North Michigan Ave., soon takes bids 22 story and basement, 45 x 90 ft., rein.-con., brick, steel and stone, Monroe and Clark Sts., for J. E. De Wolf, et al., Westminster Bldg. $1,200,000.

Ill., Chicago—OFFICE—H. Goldstine, et al., 160 North La Salle St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 21 story, 180 x 200 ft., rein.-con., steel and stone, caisson foundation, Adams and Franklin Sts. $5,500,000.

Ill., Chicago — THEATRE, STORE and APARTMENT — E. P. Rupert & R. Levine, archts., 6957 East Erie St., take bids about Dec. 1, 3 story, irregular size, rein.-con., brick, steel and terra cotta, Grand Ave. and Neva St., for Montclair Building Corp., c/o architects.

Ill., Chicago—STORE and OFFICE—J. L. Guyon, 124 North Crawford Ave., having plans prepared by J. J. Jenson, 1105 Lawrence Ave., 10 story and basement, 75 x 100 ft., brick, steel and terra cotta, Crawford Ave. and Washington Blvd. $1,000,000.

Ill., Evanston—THEATRE, STORE and OFFICE—J. E. O. Pridmore, archt., 38 South Dearborn St., Chicago, preparing plans and takes bids latter part December, 2 story and basement, 95 x 210 ft., rein.-con., brick and stone, Sherman and Church Sts., here. $500,000. Owners name withheld.

Ill., Lake Forest — THEATRE, STORE and OFFICE — James Anderson Estate having plans prepared by S. Anderson & J. Tickner, Lake Forest, 3 story, 105 x 118 ft., rein.-con. and brick, plain foundation. $225,000. J. Anderson Co., Lake Forest, engrs.

Wis., Kenosha — CLUB HOUSE and BUSINESS—Kenosha Lodge 286, L. O. O. M., 406 Market St., c/o J. Goldstein, chn. building com., plans 3 story and basement, 87 x 140 ft., brick and concrete clubhouse, etc. $250,000. Noted July 9.

Wis., Milwaukee—BANK—Van Ryn & DeGelleke, archts., 114 Grand Ave., soon take bids 4 story and basement, 62 x 100 ft., brick, stone and concrete, plain foundation, East Water St., for Natl. Exchange Bank, 367 Bway. $300,000. Noted Mar. 5.

Wis., Milwaukee—BUSINESS—Musical Arts Corp., c/o Kirchhoff & Rose, archts., 210 Sycamore St., having plans prepared remodeling interior 7 story business building, Bway. $150,000.

Wis., Milwaukee — COURT HOUSE — Milwaukee Co., W. J. Cary, clk., retained A. C. Clas, 445 Milwaukee St., as an advisor to make preliminary surveys and prepare tentative plans for stone and concrete court house, plain foundation. $5,000,000. Engineer and architect not selected.

Wis., Milwaukee — HOTEL — J. Leiser, archt., 105 Wells St., takes bids after Jan. 1, 3 story and basement, 76 x 145 ft., rein.-con. and brick, plain foundation, 6th St. $150,000. Owner's name withheld.

Wis., Oshkosh — OFFICE — Wisconsin National Life Insurance Co., 14 Washington St., plans 3 story and basement 75 x 100 ft., brick, stone and concrete, plain foundation. $200,000. Auler & Jensen, F. R. A. Bldg., archts.

Wis., Rhinelander—HOTEL—C. E. Blodgett, prop. Hotel Blodgett, Marshfield, plans 5 story and basement, brick and concrete, plain foundation, here. $200,000. Engineer and architect not selected.

Ia., Davenport — MASONIC HOME — Grand Lodge of Iowa, c/o F. Maser, secy., Cedar Rapids, had plans prepared by E. H. Holbrook, 51 Whitaker Bldg., and Beuttler & Arnold, 406 Grain Exch. Bldg., Sioux City, 2 story and basement, 38 x 150 ft., with 38 x 116 ft. wing, rein.-con. and hollow tile, here. $150,000.

Minn., Minneapolis — HOTEL, COMMUNITY CENTER — Wesley Methodist Church, c/o F. L. Roberts, 4642 Garfield Ave., having plans prepared by Colburn & Forsell, 210 South 9th St., 9 story and basement, with 15 story tower, rein.-con., brick, and stone, Grant St. and Stevens Ave. $1,000,000.

Minn., Minneapolis — LABORATORY — Nov. 16, by Dept. Administration & Finance, State Capitol, St. Paul, 2 story and basement, 50 x 110 ft., rein.-con., brick and stone addition to State University, here. $70,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt. Noted June 11.

Kan., Oberlin—COURT HOUSE—Decatur Co. soon takes bids 2 story and mezzanine, 70 x 100 ft., rein.-con., brick, stone and terra cotta court house. $150,000. Squires & Ross, 630 Kansas Ave., Kansas City, Mo., archts.

Kan., Wichita—HOTEL—J. W. Stevens, 620 West Douglas St., making plans 10 story and basement, 125 x 125 ft., rein.-con., brick and stone hotel. $750,000. Engineer and architect not selected.

Neb., Omaha—BANK—Union State Bank, 16th and Dodge Sts., having plans prepared by J. Latenser & Sons, 732 Peters Trust Bldg., 8 to 10 story and basement, 69 x 132 ft., rein.-con., brick and steel, 19th and Farnam Sts. Noted Oct. 1.

Neb., Omaha—HOSPITAL—University of Nebraska Hospital, 42nd St. and Dewey Ave., had plans prepared by J. Latenser & Sons, Peters Trust Bldg., and takes bids about Nov. 15, 3 story and basement, rein.-con. and brick addition. $250,000. Noted Aug. 27.

Neb., Omaha—STORE—Hayden Bros., 16th and Dodge Sts., J. Madden, pres., plans alterations and additions to 4 story and basement, rein.-con., brick and steel, 16th and Dodge Sts. $250,000. Engineer and architect not selected.

Mo., Jefferson City — HOTEL — Central Hotel, having preliminary plans prepared by J. C. Braecklein, 220 Kresge Bldg., Kansas City, Kan., 6 story and basement, 50 x 100 ft., brick, stone and concrete addition.

Mo., Kansas City—APARTMENT—Barr & Robinson, 50th St. and Wornall Rd., having plans prepared by P. T. Drotts, Reliance Bldg., 4 story and basement, 43 x 115 ft., concrete, plain foundation, 4916-18 Brookside Blvd. $150,000.

Buildings—Commercial (Continued)

Mo., Springfield — APARTMENT — E. I. Collins, 400 East Walnut St., making preliminary plans 3 story and basement, rein.-con., brick and stone, East Walnut St. $150,000 or more.

Mo., St. Louis — EXCHANGE — Southwestern Bell Telephone Co., Bway. and Locust St., having preliminary plans prepared 2 story and basement, rein.-con., brick and stone, Hamilton and Natural Bridge Sts. $175,000. Private plans.

Mo., St. Louis—STORE—McCrory Stores Corp., 1107 Bway., New York City, N. Y., had plans prepared by W. M. Simpson, 1107 Bway., New York City, N. Y., and takes bids about Nov. 15, 4 story (ultimately 10 story) and basement, 104 x 120 ft., steel, caisson foundation, 6th and Charles Sts., here.

Mo., St. Louis—THEATRE—Embassy Amusement Co., c/o A. Laventhal, 2933 North Newstead Ave., having preliminary plans prepared 2 story and basement, rein.-con., brick, stone and terra cotta theatre, 1,200 or more seating capacity, Marcus and St. Louis Sts. $150,000 upwards. Engineer and architect not selected.

Mo., St. Louis — THEATRE — Embassy Amusement Co., c/o A. Laventhal, 2923 North Newstead Ave., had revised plans prepared by Wedemeyer & Nelson, Wainwright Bldg., and soon takes bids 2 story and basement, 106 x 123 ft., rein.-con., brick, stone and terra cotta, Northland Ave. $350,000.

Tex., Alpine — SANITORIUM — Davis Mountain Sanitorium, plans sanitorium in Davis Mountains, near here. $160,000.

Tex., Breckenridge — HOTEL — Burch Investment Co., c/o H. C. Burch, having preliminary plans prepared by Withers & Merrell, Mineral Wells, 6 story and basement, 30 x 160 ft., rein.-con., brick and stone, plain foundation, $275,000.

Tex., Houston — CLUB — Houston Woman's Building Assn., c/o H. M. Garwood, pres., 3404 Montrose Blvd., plans 7 story, rein.-con., brick and stone, South Main Blvd. $500,000. Engineer and architect not selected.

Tex., Houston—WAREHOUSE—Channel Warehouse Extension, Inc., c/o R. Lawrence, c/o Andrews & Bryant Cotton Exch. Bldg., Dallas, having plans prepared by J. A. Schiller, 5th Floor, Courthouse, 2 story, 165 x 460 ft., and 127 x 460 ft., rein.-con. and steel, Turning Basin Dist. $750,000.

Tex., San Antonio—HOTEL—Smith Bros. Constr. Co., Crockett, and Amer. Express Bank Bldg., Dallas, having preliminary plans prepared by A. B. and R. M. Ayres, Bedell Bldg., 8 to 10 story, 130 x 145 ft., rein.-con., brick, steel and stone, St. Marys and Villita Sts., here. $1,000,000.

Tex., Texarkana — CITY HALL — City, having preliminary plans prepared by Witt, Seibery & Halsey, Texarkana, 2 story and part basement rein.-con., brick and stone, plain foundation. $250,000. Noted June 11.

Okla., Okemah —COURT HOUSE—Okfuskee Co. voted $200,000 bonds, 2 story and basement, 78 x 134 ft. court house, 3rd St. Engineer and architect not selected. Noted Oct. 8.

Okla., Oklahoma City — WAREHOUSE —Group of Capitalists, c/o J. Campbell, Fidelity Natl. Bank Bldg., making preliminary plans 6 story and basement, 100 x 160 ft. warehouse, Grand St. $300,000. Engineer and architect not selected.

Okla., Tulsa—CLUB and COMMERCE —Tulsa Club and Chamber of Commerce making preliminary plans 10 story and basement, 75 x 150 ft., rein.-con. and brick, 5th and Cincinnati Sts. $500,000. Engineer and architect not selected.

Okla., Tulsa—OFFICE and STORE—Chamber of Commerce, City Hall, A. L. Farmer, chn. building com., takes bids after Dec. 1, 10 story and basement, rein.-con., brick and stone, 5th and Cincinnati Sts. $500,000. Endacott & Rush, 404 New Wright Bldg., archts.

Wash., Seattle—OFFICE—Puget Sound Savings & Loan Assn., 300 Pike St., purchased site and had tentative plans prepared 60 x 111 ft. office building, 4th Ave. and Pike St. $275,000.

Wash., Seattle—SALES—W. L. Eaton, Pine St. and Summitt Ave., plans 2 story, 177 x 360 ft., steel and concrete, Thomas and John Sts. $200,000. Engineer and architect not selected.

Wash., Yakima—STORE and HOTEL—Chamber of Commerce, c/o A. Miller, chn. com., had tentative plans prepared by Austin Co., 16112 Euclid Ave., Cleveland, O., 200 room hotel. $700,000.

Ore., Portland — AUTO STORAGE and WAREHOUSE — Auto Hotels Corp., Los Angeles, Calif., having plans prepared 6 to 8 story, 100 x 100 ft., auto storage and warehouse, here. $150,000-$200,000. Hurley Mason Co., Gasco Bldg., engrs.

Ore., Portland—GARAGE—Corbett Bros., c/o H. L. Corbett, Corbett Bldg., having plans prepared by A. E. Doyle, Worcester Bldg., 4 story, ½ block, rein.-con. garage, Pine St. between Bway, and 6th St. $250,000. Noted Sept. 3.

Ore., Portland — GARAGE — Meier & Frank Co., Morris and Alder Sts., having plans prepared by H. A. Whitney, Lewis Bldg., 4 story, garage, on 200 x 200 ft. site, 14th, 15th, Everett and Flanders Sts.

California—MEMORIALS—Alameda Co. (Oakland) having plans prepared by H. H. Meyers, Kohl Bldg., San Francisco fireproof veterans memorial building, Harrison and 19th Sts., in Oakland, $165,000; also memorial at Alameda, $150,000, and others at Hayward, Niles, Livermore and Pleasanton, $75,000 or more each.

Calif., Brawley—HOTEL—J. W. Oakley, et al., c/o D. W. Wells, archt., 1st Natl. Bank Bldg., El Centro, plans fireproof hotel. $150,000.

Calif., Chico — THEATRE — Paramount Theatre Corp., 201 Golden Gate Ave., San Francisco, having plans prepared by L. F. Starks, Ochsner Bldg., Sacramento, fireproof, 1,500 seating capacity, here. $150,000.

Calif., Fresno—THEATRE and OFFICE —Pantages Theatre, Pantages Theatre Bldg., San Francisco, plans fireproof, 2,500 or more seating capacity, Fulton and Tuolumne Sts., here. $750,000 or more.

Calif., Hawthorne—THEATRE and OFFICE—O. G. Williams, c/o Cowles-Perrine, designers, 742 South Hill St., Los Angeles, had plans prepared 2 story and basement, 120 x 140 ft., brick theatre and office building.

Calif., Los Angeles—CLUB—Ebell Club, c/o Hewitt & Norman, archts., 110 West 11th St., having plans prepared 2 story and basement, 160 x 450 ft., rein.-con., Wilshire Blvd.

Calif., Los Angeles—HOTEL—C. F. DeLong, c/o M. E. Durfee, archt., Commercial Exchange Bldg., had plans prepared about 12 story and basement, 110 x 147 ft., rein.-con., Flower St.

Calif., Los Angeles—LOFT—Own Building Co., c/o J. J. Frauenfelder, archt., Story Bldg., had plans prepared 7 story and basement, 50 x 150 ft., rein.-con., 12th and Julian Sts. $165,000 or more.

Calif., Los Angeles—STORE and LOFT —Lloyd & Casler, Hill St. Bldg., had plans prepared by W. D. Lee, 401 Sun Bldg., 10 story and basement, 97 x 141 ft., timber and rein.-con., Maple and Pico Sts. To exceed $150,000.

Calif., Los Angeles — THEATRE — R. Barker and associates, 122 South Ardmore Ave., plans theatre, Highland and Melrose Aves. $750,000. Engineer and architect not selected.

Calif., Martinez—THEATRE—West Coast Theatres, 134 Leavenworth St., San Francisco, had plans prepared by Reid Bros., 105 Montgomery St., San Francisco, for theatre, here. $150,000.

Calif., San Francisco—APARTMENT—E. A. Bruer & G. Wagner, South Park and 3rd Sts., having plans prepared by Bakewell & Brown, 251 Kearny St., 12 story and basement, rein.-con. and steel, Gough St. and Bway. $600,000.

Calif., Santa Barbara — HOTEL — Edwards & Denman, archts., 517 Commercial Exch. Bldg., Los Angeles, soon take bids 4 story, rein.-con., Haley and State Sts., for J. H. Fast, c/o architects. $175,000. Noted Oct. 29.

Calif., Los Angeles—THEATRE—West Coast Theatres, Inc., Knickerbocker Bldg., had plans prepared by L. A. Smith, Lily-Fletcher Bldg., 2 story, 1,500 seating capacity, Maplewood St. and Western Ave.

Calif., Santa Monica — HOSPITAL — Pacific Beach Hospital, 312-316 Bliss Bldg., had preliminary plans prepared by W. H. Shaw, 1747 Maltman St., Los Angeles, 7 story, 210 x 320 ft., concrete, 7th St., Central and Beverly Aves. $1,000,000.

Calif., Ventura—THEATRE—C. Corcoran, c/o Amer. Theatre, plans fireproof theatre, 1,500 seating capacity. $150,000.

Ont., Toronto—CLUB—Granite Club, 519 Church St., having plans prepared by W. F. Sparling & Co., 54 University Ave., 2 story and basement, rein.-con. brick and steel, plain foundation, St. Clair Ave. W. $500,000. Noted Oct. 1.

Ont., Toronto—HOSPITAL—Hospital for Sick Children, College and Elizabeth Sts., having plans prepared by Wickson & Gray, Temple Bldg., 3 story and basement, rein.-con., steel and brick addition, plain foundation, College St. $200,000.

BIDS DESIRED

N. H., Portsmouth—HOTEL—Nov. 15, by Rockingham Hotel, State St., 5 story, 60 x 75 ft., brick and concrete addition. $150,000. J. R. Richardson, 56 Grove St., Dover, archt. Noted Nov. 5.

Mass., Everett (Boston P. O.) — THEATRE—See "Contracts Awarded."

Mass., Malden — GARAGE — P. Levine, c/o J. Tuck, archt., Park Sq. Bldg., Boston, taking bids 1 story, 110 x 300 ft. brick garage, Pleasant St. $150,000.

Mass., Somerville (Boston P. O.) — THEATRE — J. A. Tuck, archt., 439 Park Sq. Bldg., Boston, taking bids 2 story, 100 x 200 ft., brick and terra cotta, plain foundation, 303 Bway., here. $160,000. Owner's name withheld. Noted Nov. 5.

Conn., Hartford — FIRE HEADQUARTERS—Nov. 17, by Bd. Contract & Supply, Municipal Bldg., 3 story, 50 x 150 ft., brick and steel, Pearl St. $250,000. Smith & Bassette, 36 Pearl St., archts. Noted Sept. 17.

Conn., New Haven—APARTMENT—See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

Pa., Phila.—APARTMENT—Nov. 16, by H. Kline, archt., Bulletin Bldg., 10 story and basement, 21 x 145 ft., rein.-con., brick and steel, plain foundation, 1106 Walnut St. $200,000. Owner's name withheld.

Pa., Phila.—OFFICE—Nov. 16, by P. Shaw & Hepburn, archts., 177 State St., Boston, Mass., general contract 14 story and basement, 93 x 98 ft., rein.-con., brick and steel, plain foundation, 1409-15 Arch St., here, for United Gas Impvt. Co., Broad and Arch Sts. Total $1,000,000. Foundation for above awarded to Murphy-Quigley Co., 1524 Sansom St. Noted May 7.

D. C., Wash.—GARAGE, Etc.—Nov. 25, by Dist. Comrs., District Building, garage and building for Police Station 13; adv. E.N.-R. Nov. 12.

Tenn., Nashville—OFFICE—Nov. 21 at office McKissack & McKissack, archts., 331½ Cedar St., 4 story office building, 4th Ave. N., for Grand Lodge Ancient Free and Accepted Masons of State of Tennessee, 416 6th Ave. N.

O., Cleveland—HOTEL—A. N. Weltman, 3320 Ormond Rd., taking bids 6 story, 88 x 255 ft., brick steel and concrete, 1588 Ansel Rd. $600,000. H. B. Beidler, Ulmer Bldg., archt.

Ind., Indianapolis — ADMINISTRATION — Standard Oil Co., 802 Lord St., taking bids 3 story and basement, 60 x 120 ft., brick, steel and rein.-con., 11th and Capitol Sts. $150,000. Schlintz & Bailey, Monadnock Bldg., Chicago, Ill. Archts. and engrs

Mich., Dearborn—THEATRE and OFFICE—See "Contracts Awarded."

Mich., Detroit—OFFICE—Nov. 24, by A. Kahn, archt., 1,000 Marquette Bldg., 14 story and basement, with two 10 story wings, rein.-con., brick and steel, plain foundation, Woodward Ave., for The Maccabees, c/o A. W. Frye, Congress and Shelby Sts. $2,500,000. Noted May 28.

Mich., Eloise — DORMITORY — Nov. 17, by H. H. Prenzlauer, secy. Wayne Co. Supts. of Poor, City Service Bldg., Detroit, 3 story and part basement, rein.-con., brick and steel, plain foundation, Michigan Ave. $150,000. F. J. Winter, 2121 Dime Bank Bldg., Detroit, archt. Noted Oct. 15.

Ill., Chicago—APARTMENT—Koenigsberg & Weisfeld, archts., 155 North Clark St., taking bids 3 story, 150 x 150 ft., rein.-con., brick and steel, Malden and Sunnyside Aves., for H. G. Malone, 4506 Malden Ave. $375,000.

Ill., Chicago—APARTMENT—Guske & Foster, archts., 750 North Michigan Ave., taking bids 10 story, 50 x 110 ft., brick and steel, De Witt St. and Delaware Pl., for A. O'Rourke, 111 West Washington St. $750,000.

Mo., Kansas City—HOTEL—See "Contracts Awarded."

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

Tex., Dallas—MEMORIAL HOME—C. C. Young Memorial Home, c/o A. T. Wilson, 318 South Brighton St., taking bids 2 story and part basement, 40 x 186 ft., rein.-con. brick and stone, Stemmons Ave. $250,000. J. W. Westbrook, 407½ North Bishop St, archt. Noted March 20, 1924.

Buildings—Commercial (Continued)

Calif., Los Angeles—THEATRE, STORE and OFFICE—West Coast Theatres, Inc., Washington St. and Vermont Ave., taking bids 2 story, timber and rein.-con., 1,500 seating capacity, Maplewood and Western Ave. $150,000. L. A. Smith, 3rd St. and Western Ave., archt. Noted Nov. 12.

Calif., Los Angeles—WAREHOUSE—See "Contracts Awarded."

Calif., San Bernardino—COURTHOUSE—Nov. 16, by Supervs. San Bernardino Co., 4 story, 84 x 296 ft., rein.-con. courthouse. To exceed $300,000. Mitcham & Jones, 455 4th St., archt. Noted May 28.

BIDS RECEIVED

N. Y., Brooklyn—CLUB HOUSE—McKim, Mead & White, archts., 101 Park Ave., New York City, Nov. 4, 12 story, 162 x 185 ft., brick, steel, and stone, plain foundation, Boerum Pl., Schermerhorn and Livingston Sts., here, from McEntee & Sperling, 103 Park Ave., New York City, $2,793,000. Noted Oct. 29.

CONTRACTS AWARDED

Mass., Boston—STORE and OFFICE—Albert Rosenthal Estate, 294 Washington St., 5 story and basement, 45 x 60 ft., rein.-con. and brick, plain foundation, 6-10 Beach St., to Fritz Constr. Co., 62 Maywood St., Roxbury. Archts. est. $160,000. Noted Oct. 8.

Mass., Brockton — STORE and OFFICE — Majestic Realty Co., c/o C. T. Olson, archt., 101 Main St., 2 story and basement, 85 x 175 ft., brick and stone, Main St., to T. F. Crowell, Brockton. Archts. est. $150,000.

Mass., Everett (Boston P. O.) — THEATRE—E. L. Snider, 18 Tremont St., Boston, will build 1 story and basement, 85 x 160 ft., brick and steel, plain foundation, Bway. near Everett Sq. $150,000. Work will be done by separate contracts. Noted Oct. 29.

Mass., Sharon — LODGE — L. Dubinsky, will build 3 story and basement, 75 x 95 ft., brick and timber addition to Sunset Lodge, by day labor. $150,000. L. G. Foster, 102 North Main St., Mansfield, archt. Noted Oct. 15.

Conn., New Haven — APARTMENT — L. Resnikoff, 112 Hurlburt St., will build 3 story and basement, brick, steel and stone, Norton St., by day labor. $150,000. J. Weinstein, Metropolitan Bldg., archt.

Conn., New Haven — APARTMENT — Spadoni & Co., 173 DeWitt St., will build 2 story and basement, 85 x 89 ft., brick and steel, Elm and 3rd Sts., by day labor. $150,000. H. S. Cannici, 82 Church St., archt.

Conn., New Haven—THEATRE, STORE and OFFICE—B. E. and I. J. Hoffman, Ansonia, will build 3 story and basement, Main and Chestnut Sts., here, by day labor. E. C. Horn & Sons, 1476 Bway., New York City, archts. Noted Sept. 17.

N. Y., New York — APARTMENT — Princeton Constr. Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 14 story, 100 x 140 ft., brick and steel, plain foundation, 1160 Park Ave., by day labor. $1,000,000.

N. Y., New York — APARTMENT — Smallwell Constr. Co., c/o C. Kreymborg & Son, archts. and engrs., 253 Marion Ave., New York City, will build 6 story, brick, steel and stone, plain foundation, Harris Ave., by day labor. $250,000.

N. Y., New York — APARTMENT — L. Katz Constr. Co., c/o P. Lubroth, archt., 303 East Fordham Rd., will build 6 story, 85 x 100 ft., Plimpton Ave., $150,000, also 6 story, 90 x 150 ft., Kings College Pl. near Gun Hill Rd. $250,000, both brick, steel and stone, plain foundations, by day labor.

N. Y., New York—APARTMENT HOTEL—Hess & Kahn, 345 Madison Ave., will build 22 story, brick, steel and stone, plain foundation, 2-10 East 86th St. $3,000,000. Work will be done by separate contracts. Private plans.

N. Y., New York—THEATRE—Roxy Theatre, c/o W. A. Ahlschloager, archt., 65 East Huron St., Chicago, Ill., 1 story, 190 x 215 x 290 ft., rein.-con., brick and steel, 7th Ave. from 50th to 51st Sts., here, to Chanin Contr. Co., 105 Court St., Brooklyn. Archts. est. $5,000,000. Noted Jan. 29.

Pa., Phila.—LODGE—H. Mueller, archt., Crozer Bldg., 4 story and basement, 40 x 160 ft., rein.-con., brick and steel plain foundation, 1317-19 North Broad St., to F. G. Stewart, 1518 Locust St., for P. O. S. of A., c/o H. McFayden. Archts. est. $175,000. Noted Oct. 22.

Pa., Phila.—STORAGE—F. W. Sawyer, archt., 12th and Race Sts., rein.-con. and brick, plain foundation, 25th and Wharton Sts., to Murphy-Quigley Co., 1524 Sansom St. Archts. est. $150,000. Owner's name withheld.

Miss., Biloxi — HOTEL — White House Hotel Co., 5 story, 81 room, hollow tile and stucco annex, plain foundation, West Beach St., to Owen Constr. Co., Inc., 62½ South Water St., Mobile, Ala., $350,000.

Miss., Pass Christian—HOTEL—Edgewater Beach Co., 5452 Bway., Chicago, Ill., Edgewater Hotel, rein.-con., brick and stone, incl. swimming pool, etc., along Mississippi Sound, here, to B. Marshall, 721 North Michigan Ave., Chicago, Ill. and J. W. Billingsley, Interstate Bank Bldg., New Orleans, La. Archts. est. $2,000,000, with fittings $3,000,000. Noted Oct. 22.

Mich., Dearborn—THEATRE and OFFICE—B. B. Wetsman, 1024 Detroit Savings Bank Bldg., Detroit, will build 4 story and basement, brick, steel and concrete, plain foundation, Michigan Ave., by day labor. $160,000. L. Sukert, 415 Brainard St., Detroit, archt.

Ill., Chicago—CLUB—Schmidt, Garden & Martin, archts., 104 South Michigan Ave., general contract, 6 story, 80 x 120 ft., rein.-con., brick and steel addition, to J. B. French Co., 30 North Michigan Ave., for Chicago Athletic Club, 10 South Michigan Ave. Archts. est. $400,000. Noted Oct. 8.

Ill., Chicago—GARAGE—Yoar Cab Co., 415 East 39th St., general contract 1 story, 100 x 175 ft., brick garage, 415 East 29th St., to Holton Seelye & Co., 140 South Dearborn St.

Ill., Chicago—HOTEL—I. D. Rosenberg, 38 South Dearborn St., masonry contract 3 story and basement, 50 x 137 ft., brick and steel, 5517-5519 Blackstone Ave., to Rune & Son, 6744 Ridgeland Ave. Archts. est. $250,000.

Ill., Chicago — STORE, HOTEL and BATH HOUSE—H. Sugar, 110 South Dearborn St., masonry contract 3 story, 75 x 125 ft., brick, 1133-1137 South Kedzie Ave., to J. Siegle, 133 West Washington St. Archts. est. $400,000.

Ill., Chicago—HOTEL and STORE—D. S. Klafter, archt., 64 West Randolph St., general contract 6 story, 50 x 143 ft., rein.-con., brick and steel, 4826 Sheridan Rd., to Realty Building & Constr. Co., 177 North State St., for J. Glasser, 4645 Sheridan Rd. Archts. est. $750,000. Noted Aug. 13.

Ill., Duquoin — BANK — First Bank & Trust Co., 3 story, brick, concrete and stone, to Humes Deal Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. Archts. est. $150,000.

Wis., Delafield—MEMORIAL CHAPEL—T. S. Van Alyea, archt., 424 Jefferson St., Milwaukee, superstructure for 2 story, 60 x 139 ft., stone and concrete, to Foster-Morris Co., 626 Clybourn St., Milwaukee. Archts. est. $150,000. Noted Oct. 29.

Wis., Fond du Lac—HOTEL—M. Tullgren & Sons, archts., 9 Waverly Pl., Milwaukee, 8 story and basement, rein.-con. and brick addition at Hotel Retlaw, plain foundation, here, to Immel Constr. Co., Dana Bldg., for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. Archts. est. $200,000. Noted Oct. 22.

Wis., Milwaukee — APARTMENT — Oak Park Apartment Co., c/o E. G. Schroeder Co., archts., 405 Bway., 3 story, (2 units) each 49 x 102 ft., brick and tile, plain foundation, Oakland Ave., to Reisinger & Co., 464 Oakland Ave. Archts. est. $150,000.

Wis., Milwaukee — HOTEL — Republic Building Co., 530 Grand Ave., 4 story and basement, 52 x 150 ft., brick and concrete, plain foundation, 4th and Wells Sts., to Reisinger & Co., 464 Oakland Ave. Archts. est. $200,000. Noted Oct. 22.

Minn., St. Paul — HOSPITAL — Ramsey Co. Bd. Control, J. Tong, secy., Court House, general contract 4 story and basement, T shaped, rein.-con. brick, tile and stone addition to Aucker Hospital, Jefferson and Colburn Sts., to J. Sack, 515 Rive St., $215,725. Noted Oct. 15.

Mo., Kansas City — HOTEL — Rogers-Johnson Building Co., 404 Title & Trust Bldg., will build 8 story and basement, 48 x 132 ft., rein.-con. and brick, 1016 Locust St. by day labor. Archts. est. $500,000. Noted June 25.

Mo., St. Louis — APARTMENT — Saum Bros., 713 A Chestnut St., will build 9 story and basement, 122 x 200 ft., rein.-con., brick, steel and stone, Grand St. and Castleman Ave., by day labor. $1,000,000. Private plans. Noted Oct. 1.

Ore., Portland — THEATRE — Keller & Boyd, Benson Hotel, 7 story, 100 x 200 ft., rein.-con. Salmon St. and Bway., to Hansen & Hammond, Pittock Blk. Archts. est. $1,000,000.

Calif., Los Angeles — HOTEL — Hotel Holding Co., 12 story and basement, 160 x 180 ft., concrete, Orange Dr. and Hollywood Blvd., to Trewitt & Shields, 801 Edwards & Wildey Bldg., $3,500,000.

Calif., Los Angeles — WAREHOUSE — A. M. Castle & Co., 2464 East 37th St., will build 1 story, 4 sections each 72 x 420 ft., steel and rein.-con., Topeka Ave., by day labor. $200,000. D. P. N. Little, 1403 Garfield Ave., South Pasadena, archt.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Cambridge (Boston P. O.) — DORMITORY—Massachusetts Institute of Technology, S. W. Stratton, pres., plans dormitory. To exceed $150,000. Engineer and architect not selected.

Mass., Fall River — HIGH SCHOOL — City, C. R. Cummings, chn. com., had plans prepared by L. G. Destremps, 11 Pleasant St., Junior High School, 3 story, Norwood St. $800,000. Noted Sept. 24.

R. I., East Providence (br. Providence) — HIGH SCHOOL — City, School Com. plans brick, steel and stone, Junior High School, Wheldon Ave. Engineer and architect not selected.

Conn., Bridgeport — CHURCH — St. George Episcopal Church, 755 Clinton Ave., H. E. Kelly, pastor, plans 1 story and basement, stone church. $150,000. Engineer and architect selected soon.

Conn., Darien—HIGH SCHOOL—Town, School Bd., plans new high school, Post Rd. $150,000. Engineer and architect not selected.

Conn., Plainville—SCHOOL—Town, L. S. Mills, chn., having plans prepared by School Plan Service Bureau, 363 Main St., Middletown, 2 story and basement, brick and steel, East St. $250,000.

Conn., Shelton — CHURCH — Baptist Church, N. B. Prindel, pastor, having plans prepared by Smith, Kinne & Palmer, 254 Main St., Derby, 1 story and basement, 50 x 100 ft., brick and steel, Elm St. and Coram Ave. $150,000.

Conn., Stamford—SCHOOL—City, C. H. Martin, chn., had plans prepared by Allen & Chapman, 315 5th Ave., New York City, 2 story and basement, brick and steel addition to Rogers School, Rogers Dist. $300,000.

Conn., Wallingford — SCHOOL — City, School Comn., City Hall, having plans prepared by W. T. Arnold, 34½ West Main St., Meriden, 2 story and basement, 70 x 100 ft., brick and steel, East Center St. $150,000.

N. Y., Brooklyn — SCHOOL — Bd. Educ., 500 Park Ave., New York City, soon takes bids P. S. 101, 4 story, brick, steel and stone, plain foundation, 24th Ave. and Bay 35th St., here. $500,000. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. and engr.

N. Y., New York—NURSES HOME—Mt. Sinai Hospital, 5th Ave. and 100th St., having plans prepared by R. D. Kohn, archt. and engr., 56 West 45th St., 15 story, brick, steel and stone, plain foundation, 100th St. $1,500,000. Noted April 23.

N. Y., Rochester—DORMITORY—University of Rochester, having plans prepared by Gordon & Kaelber, archts and engrs., Sibley Bldg., 4 story and basement, 40 x 200 ft., fireproof addition to womens dormitory, University Ave. $250,000.

N. Y., Rochester—SCHOOL—Bd. Educ. having plans prepared by Gordon & Kaelber, Sibley Bldg., 3 story main building and 1 story auditorium for School 5, Frank St. $750,000.

N. J., Haddonfield—HIGH SCHOOL—Bd. Educ, plans new high school. Engineer and architect not selected.

N. J., Mt. Ephraim—SCHOOLS—Centre Twp. School Bd., C. Brookfield, chn., com., having plans prepared by Edwards & Green, 23 Bway., Camden, for 4 schools. $158,000.

Pa., Allentown—GRADE and JUNIOR HIGH SCHOOL—Nov. 20, by Jacoby & Everitt, archts., Commonwealth Bldg., 3 story and basement, 136 x 182 ft., concrete and brick, plain foundation. 22nd and Turner Sts., for Bd. Educ.

Pa., Ardmore — HIGH SCHOOL — Bd. Educ. Lower Merion Twp., had plans prepared by R. E. White, Penn Bldg., Phila., and takes bids about January 1, 3 story and basement, 2 wings 100 x 150 ft. each, rein.-con. and brick addition, plain foundation.

Pa., Harrisburg—VOCATIONAL JUNIOR HIGH SCHOOL—See "Waterworks."

Buildings—Educational, Religious (Cont.)

Pa., Phila.—COLLEGE and HOSPITAL —Hohnmann College & Hospital, 15th and Race Sts., purchased 225 x 495 ft. site and plan college and hospital, 20th St. and Callowhill. Engineer and architect not selected.

Pa., Phila.—SYNAGOGUE and SUNDAY SCHOOL—Rodelph Shaler Synagogue, c/o C. E. Fox, pres. Bd. Trustees, plans 1½ and 2 story and basement, 100 x 240 ft., stone, plain foundation, Broad and Mt. Vernon Sts. $650,000. Engineer and architect not selected.

Tenn., Nashville — SCHOOL — Election Dec. 17. $1,000,000 bonds, 4 schools in various parts of city. H. E. Howse, mayor. Engineer and architect not selected. Noted Feb. 26.

Mich., Detroit — NURSES HOME — Bd. Health, Clinton and Beaubien Sts., having plans prepared by A. Kahn, 1000 Marquette Bldg., 3 story and basement, rein.-con., brick, steel and stone, for Herman Kiefer Hospital, Hamilton Ave. $200,000.

Minn., Buhl — HIGH SCHOOL — Bd. Educ., F. I. Goodspeed, clk., having plans prepared by Hausler & Kerr, 547 Hamm Bldg., St. Paul, altering and constructing 3 story and basement, rein.-con., brick and stone addition. $350,000.

Kan., Manhattan — LIBRARY — Kansas State Agricultural College soon takes bids library building. $250,000. C. D. Cuthbert, State House, Topeka, archt. Noted Mar. 19.

Mo., Cape Girardeau—SCHOOLS—Voted $300,000 bonds, new grade school, on West Side, and addition to Washington and May Greene Schools, etc., for Bd. Educ., J. A. Whiteford, supt. W. B. Ittner, 911 Locust St., St. Louis, archt.

Mo., St. Louis—CHURCH, SCHOOL and CONVENT—St. Cecelias Catholic Congregation, B. J. Benton, pastor, rejected bids Oct. 5, 2 and 3 story, rein.-con., brick and stone, Louisiana St. H. P. Hess, 1237 North Taylor Ave., archt. Will readvertise. Noted Oct. 1.

Tex., Ft. Worth—HIGH SCHOOLS—Bd. Educ., c/o M. H. Moore, supt., having plans prepared by W. G. Clarkson, 1st Natl. Bank Bldg., 4 story addition to Central High School, Cannon, Henderson, University and Terrell Sts. $600,000; also five new Junior High Schools, $1,250,000. Noted July 9.

Tex., Ft. Worth — MEDICAL ARTS — Tarrant Co. Medical Arts Building Co., c/o C. F. Clayton, F. & M. Bank Bldg., had preliminary plans prepared by Sanguinett, Staats & Hedrick, First Natl. Bank Bldg., 17 story and basement, 108 x 209 ft., rein.-con., brick and stone, Cherry, Burnett and 10th Sts. $1,500,000.

Tex., Houston — SCHOOLS — Voted $4,000,000 bonds 12 or more new schools, playgrounds, etc., for Bd. Educ.

Tex., San Antonio — CHURCH — Greek Orthodox Church, A. Prattes, c/o Manhattan Cage Bldg., chn. building com., having revised plans prepared by E. T. Jackson, archt. and engr., Builders Exch. Bldg., 1 story and basement, rein.-con. and brick, plain foundation, Ashby and Jones Aves. $200,000.

Tex., San Antonio — HIGH SCHOOL — City, postponed opening of bids Junior High School, 1 and 2 story and basement, rein.-con., brick and stone, plain foundation, Yorkshire and Berkshire Aves. $250,000. Plans being revised. Phelps & DeWees, Gunter Bldg., archts., A. B. and R. M. Ayres, Bedell Bldg., associated archts. Noted Oct. 1.

Calif., Madera—HIGH SCHOOL—Plans election $150,000 or more bonds, fireproof Junior High School, for Madera High School Dist.

Calif., San Francisco—SCHOOLS—City and San Francisco Co. having plans prepared by S. Heiman, 57 Post St., Sunnyside School annex, $150,000; by Miller & Pflueger, Lick Bldg., Jefferson School annex, $150,000; by J. J. Rankin, 57 Post St., Francis Scott Key School annex, $150,000; by S. Schnaittacher, 233 Post St., annex for Madison School, $150,000; and by J. Reid Jr., 1st. Natl. Bank Bldg., Commodore Sloat School annex, $150,000.

Ont., Kingston — GYMNASIUM and SCHOOL — Separate School Bd., had plans prepared by W. Newlands & Son, Royal Bank Bldg., 3 story and basement, rein.-con., brick and steel gymnasium and school addition, plain foundation, Russell St. $300,000. Noted July 23.

Ont., Toronto — CHURCH — Bloor Street Baptist Church, Bloor and Bay Sts., plans 1 story and basement, rein.-con. and brick, plain foundation, Heath and Yonge Sts. $200,000. Engineer and architect not selected.

Ont., Toronto — SCHOOL — Bd. Educ. having plans prepared by C. E. Dyson, 155 College St., 2 story and basement, rein.-con. steel and brick, plain foundation, Rosedale Heights Dr. $150,000. Noted Feb. 19.

Ont., Windsor — SCHOOL — Separate School Bd., c/o W. Gourd, secy., having plans prepared by Jacques & Allaster, 3 Oullette Ave., 2 story and basement, rein.-con., steel and brick, plain foundation. $175,000. Noted Aug. 27.

BIDS DESIRED

Mass., Hamilton — CHURCH — Christ Church taking bids 1 story and basement, stone and granite church. $150,000. Smith & Walker, 80 Boylston St., Boston, archts. Noted Aug. 13.

Conn., Danielson — HIGH SCHOOL — Town, F. A. Jacobs, chn. com., taking bids Killingly High School, 2 story and basement, brick and steel. $150,000. Sellew & Towner, 363 Main St., Middletown, archts. Noted Sept. 24.

Conn., Stamford—SCHOOL—City School Com. taking bids 2 story and basement, brick and steel, Woodland St. $250,000. Butler & Provost, 292 Main St., archts. Noted May 28.

Pa., Millmont (mail Ridley Park) — SCHOOL — Nov. 17, by P. Getz, archt., Victory Bldg., Phila., 2 story and basement, 55 x 106 ft., brick, stone and steel, plain foundation, Belmont and Millmont Aves., for Lady of Peace Parish, A. R. Rees, pastor.

La., Bastrop—HIGH SCHOOL—Nov. 17, by Bd. Educ. Morehouse Parish, 2 story, brick high school, here. $150,000. Former bids rejected. J. W. Smith, Monroe, archt. Noted Nov. 5.

Mich., Ecorse—SCHOOL—Dec. 2, by L. Salliotte, secy. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000. J. G. Kastler, 532 Detroit Savings Bank Bldg., Detroit, archt.

Wis., Milwaukee—NURSES HOME, etc. —Clas, Shepherd & Clas, archts., 445 Milwaukee St., taking bids 4 story and basement, 61 x 70 ft., brick and concrete nurses home addition, plain foundation, also addition to hospital, Cedar St., for which plans are not ready, for Milwaukee Hospital, Cedar and 22nd Sts. $450,000. Noted Oct. 15.

Calif., Covina — SCHOOLS — R. Meier, archt., Title Insurance Bldg., Los Angeles, taking bids 1 and 2 story, brick, rein.-con. and hollow tile, for California Preparatory School for Boys. To exceed $150,000. Noted Oct. 1.

Calif., Los Angeles—SYNAGOGUE—Nov. 25, by Edelman & Barnett, archts., 726 H. W. Hellman Bldg., and S. T. Norton & H. Wallis, archts., 1210 Financial Center Bldg., 1 story and basement, 120 x 260 ft. synagogue, incl. 4 story Sunday school section, dome 120 ft. high, tile, marble, rein.-con. and steel, Wilshire and Hobart Blvds. $1,000,000.

BIDS RECEIVED

N. Y., Woodhaven (Jamaica P. O.) — SCHOOL—W. H. Gompert, archt.and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, Nov. 5, general contract P. S. 63, Sutter Ave. from 90th to 91st Sts., here, for Bd. Educ., 59th St. and Park Ave., New York City, from Hayson Constr. Co., 44 Court St., Brooklyn, $567,000; plumbing from J. A. Graf, 394 Waverly Ave., Brooklyn, $29,742; and heating, from Almirall & Co., Inc., 1 Dominick St., New York City, $78,314. Noted Oct. 29.

Pa., Phila. — SCHOOL — Bd. Educ., c/o J. D. Cassell, supt., 19th and Chestnut Sts., 4 story and basement, 159 x 268 ft. school, Pike St. between 17th and 18th Sts., general contract, from McCloskey Co., 1620 Thompson St. $997,847; heating, from J. Borden & Bros., 637 North 19th St., $63,840; plumbing, from S. Faith & Co., Inc., 2427 Pennsylvania Ave., $45,743; and electrical work, from Walker & Kepler, 531 Chestnut St., $32,281. Noted Oct. 29.

Ga., Augusta — ACADEMY — Richmond Academy, academy building, Tudor design, from Palmer-Spivey Constr. Co., 124 8th St., $406,850.

O., Cleveland — SCHOOL — Bd. Educ., F. G. Hogen, dir., 2 story and basement, 65 x 149 ft., brick, steel and concrete addition, West 130th St. and Lorain Ave., from Schrader Constr. Co., Sixth-St. Clair Bldg., $207,000. Noted Oct. 22.

O., Mansfield — HIGH SCHOOL — Bd. Educ., interior work of 3 story and basement, brick high school, from Boldt Constr. Co., 1869 East 70th St., Cleveland, $145,000. Noted Oct. 1.

Mo., Cape Girardeau—CHURCH—First Baptist Congregation, W. C. Ballard, chn. building com., general contract 2 story and basement, brick, concrete and stone church, from Cotner & Reisenbacher, Cape Girardeau, $138,000. Archts. est. $150,000.

CONTRACTS AWARDED

Me., Lewiston — GYMNASIUM — Bates College, H. Rowe, secy., 1 story, 105 x 165 ft., brick, steel and stone gymnasium and indoor athletic field, to H. P. Cummings Constr. Co., 14 Prospect St., Ware. Archts. est. $500,000. Noted Sept. 3.

Mass., Hawthorne — SCHOOL — Trustees Essex Co., Agricultural School, Courthouse, Salem, 2 story and basement, 72 x 56 ft. with 43 x 43 ft. ell, brick and stone school home making building, to Phinney, McFarland, Hilton & Duncan, Danvers. Archts. est. $150,000. Noted Sept. 17.

R. I., Warren — SCHOOL — St. John's Roman Catholic Church, E. Caron, pastor, 2 story and basement, brick and stone, plain foundation, Main St., to J. A. Donatelli, Gordno Ave., Providence. Archts. est. $150,000.

Conn., New Britain — SCHOOL — City, School Dept., J. M. Halloran, chn., general contract 2 story and basement, brick and steel, Steel St., to Peck McWilliams Co., 47 West Main St., Norwich, $263,750. Noted Oct. 15.

N. J., Blackwood—HIGH SCHOOL—Bd. Educ., c/o J. Price, Glendora, 2 story and basement, 106 x 130 ft. rein.-con., brick, plain foundation, general contract to G. Brandt, Blackwood, $116,872. Noted Nov. 5.

N. J., Camden—SCHOOLS—School Bd. Pensauken Twp., general contract 2 story and basement, 50 x 212 ft. and 39 x 93 ft. rein.-con., and brick, plain foundation, Wistaria Ave. East of Lexington Ave. to H. J. Homan, 18th and Cherry Sts., Phila., Pa., $264,450; also same dimensions as above at 55th St. and Forest Ave., to J. M. Yardley, 1730 Sansom St., Phila., Pa., $238,350. Noted Oct. 22.

Pa., Phila.—HIGH SCHOOL—Hoffman-Henon, archts., Finance Bldg., 3 story and basement, 188 x 215 ft., rein.-con., brick and steel, plain foundation, 45th and Chestnut Sts., to B. J. McKenna, 1713 Moravian St., for Girls Catholic High School, D. C. Daugherty, pastor, 18th and Race Sts. Archts. est. $1,000,000. Noted Oct. 15.

Pa., Phila.—SCHOOL—Hoffman-Henon Co., archts., Finance Bldg., 5 story and basement, 61 x 171 ft., rein.-con., brick and steel, plain foundation, 16th and Girard Sts., to J. B. Kelly, 2315 Walnut St., for St. Josephs Hospital. $300,000. Noted Sept. 3.

Fla., Jacksonville—SCHOOL—Church of Immaculate Conception, J. J. Meehan, pastor, 2 story and basement, brick and concrete, Duval Ave., to W. T. Hadlow, Baldwin Bldg. Archts. est. $150,000.

O., Lorain — CHURCH — Holy Trinity Church, W. F. Novak, pastor, 2428 Elyria Ave., 1 story and basement, 50 x 125 ft., brick, to T. Hume, Lorain. Archts. est. $150,000.

Mich., Detroit—SCHOOL—Bd. Educ., 2 story and basement, 132 x 171 ft., rein.-con., brick and steel, Nashville Ave., to M. A. Mahoney, 400 Penobscot Bldg., $204,497. Noted Nov. 5.

Ia., Marshalltown — SCHOOLS — Bd. Educ., general contract Senior and Junior High Schools, 2 and 3 story and basement, rein.-con., brick and stone, to Reische & Sanborn, 514 Jackson St., Sioux City, $253,804 and $57,973 respectively; heating and plumbing, to M. F. Banzhaf, Marshalltown, $54,288 and $13,701 respectively.

Neb., Omaha — SCHOOL — Bd. Educ., general contract 2 story and basement, 93 x 171 ft., brick, concrete and stone, Center St., to Nelson-Cooper Co., 202 Courtney St., $110,000; heating, plumbing and sewering, to B. Grunwald, Inc., 1110 Farnum St., $33 387.

Tex., Dallas—SCHOOL—Bd. Educ., c/o C. M. Moore, secy., Akard and Royal Sts., 2 story and part basement, 115 x 150 ft., rein.-con. brick, stone and steel addition, to Bovie School, 7th and Lancaster Sts., from W. H. King, 410 Andrews Bldg., $113,869. Noted Sept. 10.

Calif., Palo Alto — LABORATORY — L. Stanford, Jr., University, 1 story electrical laboratory, steel and brick, to G. Wagner, Inc., 181 South Park St., San Francisco. $155,000.

Ont., London — HIGH SCHOOL — Bd. Educ., 2 story and basement, 65 x 185 ft., Dundas St., to J. Putherbough, 272 Regent St., $290,000; heating and plumbing, to W. Skelly, 242 King St., $39,000. Noted Oct. 15.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., 2 story school, masonry work, to P. Harman, 399 Dupont St.; and carpentry work, to F. Armstrong, 89 Oak St. Archts. total est. $150,000. Noted Aug. 6.

Federal Government Work

PROPOSED WORK

Md., Baltimore—Roads—Treas. Dept. at office Supervising Archt., Wash., D. C., revoked contract awarded to Sloan Dickinson Co., 136 Liberty St., New York City, N. Y., extending and remodeling roads, here. Plans will be revised and readvertised. Noted Oct. 22.

D. C., Wash. — HOSPITAL — U. S. Veterans Bureau, Arlington Bldg., having plans prepared administration and clinic buildings, at Mt. Alto Hospital. $150,000.

Calif., Soldiers Home (br. Sawtelle P. O.)—Boiler, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., soon takes bids 400 hp. water tube boiler, 150 ft. concrete stack, etc., here. G. T. Baggott, treas. Soldiers Home, Los Angeles Co.

BIDS DESIRED

N. Y., Sacket Harbor—Quarters—Dec. 7, at Office Constructing Quartermaster, Madison Barracks, for 5 brick, slate and concrete buildings; adv. E. N.-R. Nov. 12.

D. C., Wash.—Boiler Plant Equipment, etc.—Spec. 5152—Nov. 25, by Bureau Yards & Docks, Navy Dept., combined feed water heater and meter, reciprocating boiler feed pumps, storage tank, etc., at Naval Hospital; adv. E. N.-R. Nov. 12. Noted Nov. 5.

Tenn., Memphis—Work Boats—Dec. 10, by Mississippi River Comn., 1st and 2nd Dists., 2 steel hull work boats, 36 x 10 x 3 ft.; adv. E. N.-R. Nov. 12.

Ala., Birmingham—Bank—Nov. 16, by Treas. Dept., Wash., D. C., 3 story, 50 x 110 ft., limestone and marble, 5th Ave., here. $250,000. Warren, Knight & Davis, Empire Blk., archts.

BIDS RECEIVED

N. Y., Stapleton (Staten Island P. O.)—Hospital — Treas. Dept., at office Supervising Archt., Wash., D. C.; Nov. 9, maids rooms, alterations, etc. at Junior Medical Officers Quarters, here, from Bergren Bros., Tompkinsville, (1) $3,963 (2) $1,760. Noted Oct. 15.

N. J., Montclair — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story and mezzanine, brick and stone post office, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $103,850. Noted Oct. 15.

New Mexico—Bridges—J. W. Johnson, dist. engr. Bureau Pub. Rds., Dept. of Agriculture, 301 Custom House Bldg., Denver, Colo., Oct. 27, improving Datil Reserve-Dry Creek Natl. Forest Rd. Project, San Francisco River Bridge Section from Salle Constr. Co., Pueblo, Colo., $41,730. Noted Oct. 22.

California — Roads — C. H. Sweetser, dist. engr., San Francisco, Oct. 26, improving 11.86 mi. Sonora-Long Barn Natl. Forest Highway, (a) 21,600 cu.yd. crushed rock surfacing and (b) 1,200 cu.yd. stock piling top course material, from Arris-Knapp Co., 961 41st St., Emeryville, (a) $3.25 (b) $3, total $73,800.

CONTRACTS AWARDED

Mass., Boston — Rehabilitating — Treas. Dept. at office Supervising Archt., Wash., D. C., rehabilitating Tuberculosis Building, here, to H. Holmes Constr. Co., 67 Bonair St., Somerville, Mass., $2,796. Noted Oct. 8.

Ky., Louisville—Gates—U. S. Engineer Office, lock gates for Locks 46 and 49, to Independent Bridge Co., P. O. Box 1920, Pittsburgh, Pa., $102,240. Noted Nov. 5.

Ill., Chicago—Breakwater—U. S. Engineer Office, 537 South Dearborn St., breakwater at Indiana Harbor, Ind., to Great Lake Dredge & Dock Co., 104 South Michigan Ave., $49,871. Noted Oct. 15.

Mo., Kansas City—Current Retards—U. S. Engineer Office, 707 Postal Telegraph Bldg., 1,110 lin.ft. current retards, at Quindaro, Kan., and 270 ft. retards near Parkville, Mo., both in Missouri River, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $59,400 and $14,850 respectively. Noted Nov. 5.

Unclassified

PROPOSED WORK

Subway Tunnel—New York, N. Y.—Bd. Transportation, 49 Lafayette St., making plans subway tunnel, etc., 208th St. and Harlem River. $3,000,000.

Terminal and Slips — Brunswick, Ga. — Atlanta, Birmingham & Atlantic Ry. Co., Brown Bldg., Atlanta, plans rebuilding and dredging terminals and slips. $250,000. L. L. Beall, c/o owner, engr.

Dry Dock—Algiers (New Orleans P. O.), **La.** — Todd Dry Dock & Constr. Co., 25 Bway., New York City, N. Y., plans ship repair plant, incl. 1 or more dry docks, here. $750,000.

Lighting System—Nashville, Tenn.—Election Dec. 17, $100,000 bonds, extending lighting system. H. E. House, mayor.

Stadium—Evanston, Ill.—Northwestern University having plans prepared by J. G. Rogers, 367 Lexington Ave., New York City, N. Y., stadium, 1,000 ft. long, 127 ft. high, 3 decks, concrete, Central St. G. Hadden, 280 Madison Ave., New York City, N. Y., engr.

Grain Elevator — South Chicago (Chicago P. O.), **Ill.**—Wabash R.R. Co., Exch. Bldg., St. Louis, Mo., R. H. Howard, ch. engr., having plans prepared by J. Stewart & Co., Inc., 343 South Dearborn St., Chicago, 31 bin addition to Rialto Grain Elevator, 1,560,000 bu. capacity, brick and concrete, 104th St. and South Chicago Ave., here. Above operated by Nye Jenks Grain Co., 140 West Van Buren St., Chicago. Noted Sept. 3.

Golf Course—Milwaukee, Wis.—Westmoor Country Club, C. S. Perry, Pereles Bldg., acquired 140 acre site and plans golf course, near here. To exceed $25,000. Engineer not selected.

Golf Course—New London, Wis.—New London Golf Club, c/o E. C. Jost, chn. Bd. Directors, acquired 55 acre site and plans golf course in spring. To exceed $25,000. Engineer not selected.

Terminal Improvements — Minneapolis, Minn.—Made tentative plans terminal improvements at Mississippi River, incl. roadway, two rail tracks, etc. $200,000. N. W. Elsberg, city engr.

Playgrounds, Etc. — St. Cloud, Minn.—Defeated $100,000 bonds improving Lake George, incl. playgrounds, drive, etc. Project to be financed some other way. Noted Oct. 8.

Park Development, etc.—St. Paul, Minn.—Dept. Parks, Playgrounds and Public Buildings, H. C. Wenzel, comr., made plans developing Highland Park, land between Bohland Ave., Edgecombe Rd. and Pleasant Ave. west to Snelling Ave., paving Montreal Ave., Edgecombe Rd. and Hamline Ave. into park, $204,783; constructing concrete swimming pool, $120,000; paving Ford Rd. between Snelling and Hamline Aves. also Otta Ave., $71,500; and constructing trunk sewers $40,000. G. M. Shepard, city engr.

Grain Storage Tanks, etc.—Kansas City, Kan.—See "Buildings—Industrial."

Tension Line—Texas—Texas Pub. Utilities Co., San Marcus, plans low tension high line from San Marcus to Martindale, Maxwell, Reedville and Staples, etc. $100,000. Private plans.

Park, etc.—Ft. Worth, Tex. — Electtion Nov. 24 $500,000 bonds, park site, park improvements, etc., also $170,000 bonds recreation facilities. D. L. Lewis, city engr.

Lighting System—Los Angeles, Calif.—Plans 5½ mi. ornamental street lighting system on various streets.

Pier Shed—San Francisco, Calif.—State Harbor Comn., Ferry Bldg., making plans enlarging pier shed and erecting new shed, Pier 15. $185,000. F. G. White, Ferry Bldg., engr.

BIDS DESIRED

Baseball Cage—Cambridge (Boston P. O.), **Mass.**—Harvard Athletic Assn., F. W. Moon, major, taking bids 1 story, 150 x 160 ft., brick baseball cage. $40,000. G. Lowell, 12 West St., Boston, archt. Noted Jan. 29.

Boring, Piles, etc. — Albany, N. Y. — Nov. 25, by Albany Post Dist. Comn., 100 State St., 4 churn drill borings, 75 ft. each, and 4 core borings, 10 ft. each; also for driving 20 test piles. F. C. Herrick, chn.

Sanitary Work, etc.—Newark, N. Y.—Dec. 3, by Superintendent Purchase, Capitol, Albany, sanitary work, water supply for fire protection, for State School for Mental Defectives, here; adv. E. N.-R. Nov. 12.

Sanitary Work, etc.—Randalls Island (mail New York) N. Y.—Dec. 3, by Superintendent Purchase, Capitol, Albany, sanitary work and additional fire protection, at New York House of Refuge, here; adv. E. N.-R. Nov. 12.

Oil Storage Tanks — Chester, Pa. — See "Buildings—Industrial."

Foundations, etc.—Phila., Pa.—Nov. 18, by Comrs. Fairmont Park, City Hall, excavation, foundations, steps, paving, etc. forming approach to Museum of Art., Fairmont Park; Schedule A, incl. excavation, concrete footing and foundations, sewers steps, check walls, etc.; Schedule B, incl. cascades, basins, wiers, retaining walls, etc. $1,000,000. Borie, Trumbauer & Zantzinger, Land Title Bldg., archts. Noted Sept. 17 under "Buildings—Commercial."

Concrete Cap—Chicago, Ill.—Nov. 13, by South Park Comrs., 57th St. and Cottage Grove Ave., concrete cap on dock wall along water front of Grant Park between Roosevelt Rd. and point 150 ft. north of Monroe St. E. J. Whitty, secy.

BIDS RECEIVED

Steel Ferry Boats—Boston, Mass.—Dept. Pub. Wks., from Bethlehem Shipbuilding Corp., Ltd., 100 Milk St., 1 boat $267,265, 2 boats $515,950. Noted Oct. 1.

CONTRACTS AWARDED

Heating and Ventilating—Revere, Mass.—School Bd., City Hall, heating and ventilating system in high school, to Stubbs Bros., 16 Ash St., Boston. Engrs. est $25,000. Noted Oct. 8.

Coal Pocket—Salem, Mass.—Salem Terminal Corp., 40 x 66 ft. coal pocket, timber, Phillips Wharf, to G. P. Carver, 261 Franklin St., Boston. Archts. est. $40,000.

Electrical Installation—Phila., Pa.—Dept. Pub. Wks. Bureau of Engineering, electrical installation in city owned property east of Broad St. south of Pattison Ave., to W. P. Pangborne & Co., 1925 West Montgomery St., $86,092. Noted Nov. 5.

Foundation—Phila., Pa.—See "Buildings—Commercial under Bids Desired."

Car Barn — Pittsburgh, Pa. — Pittsburgh Railways Co., 435 6th Ave., general contract 2 story, 112 x 121 ft. car barn, 2nd Ave., to W. T. Grange Constr. Co., Keenan Bldg.

Coaling Station—Sardis, Ga.—Savannah & Atlantic Ry. Co., 30 East Bryan St., Savannah, J. A. McLeod, ch. engr., coaling station, here, to Fairbanks-Morse & Co., 900 South Wabash Ave. Engrs. est. $44,000.

Swimming Pool—Pass Christian, Miss.—See "Buildings—Commercial."

Foundation—Rockford, Ill.—See "Buildings—Industrial under Proposed Work."

Foundation — Fond du Lac, Wis. — See "Buildings—Educational, Religious, under Proposed Work."

Heating and Plumbing — Marshalltown, Ia. — See "Buildings — Educational, Religious."

Turbine Generator Unit, etc.—Moorhead, Minn.—R. G. Price, city clk., mechanical equipment for power plant, incl. boiler settings, forced draft fans, pumps, ducts, piping insulation, etc., to Commonwealth Electric Co., 417 Bway., St. Paul, $43,000. Noted Aug. 20.

Blast Furnace—St. Louis, Mo.—St. Louis Coke & Iron Co., 117 North 4th St., 3,500 tons steel blast furnace, to P. Conley Co., Leetsdale, Pa. Engrs. est. $2,000,000.

Dock—Kelso, Wash.—Kelso Port Comn., constructing log dock of 91,000 sq.ft. area, here, to Hart Constr. Co., Longview, $77,770. Engrs. est .$83,000.

Docks, etc. — Longview, Wash. — T. P. Fisk, attorney, constructing new docks and warehouses, here, to Hart Constr. Co., East 11th St., Tacoma, for Port of Kelso, Kelso. $77,770. Engrs. est. $83,000.

Chimney — Trail, B. C. — Consolidated Mining & Smelting Co., general contract 409 ft. rein.-con. and steel chimney, to Rust Eng. Co., 3rd Ave. and Ross St., Pittsburgh, Pa.

Materials

PROPOSED WORK

Asphalt, Stone, etc.—London, Ont.—City Council, plans to purchase during 1926 asphalt, crushed stone, oil, castings, etc. To exceed $150,000. W. A. Near, City Hall, engr.

BIDS DESIRED

Paving Blocks, etc. — Toronto, Ont. — Nov. 17, by T. Foster, mayor and chn. Bd. Control, City Hall, vitr. paving blocks, concrete, brick and vitr. sewer pipe, asphalt, lumber, etc. $250,000-$500,000. R. C. Harris, City Hall, engr.

CONTRACTS AWARDED

Castings—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., steel castings to corporation yards, to Detroit Steel Castings Co., 227 Fulton St., $2,220. Noted Oct. 29.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Nov. 20.

Bridge Work

Jacksonville, Fla.

Sealed proposals to be filed with Frank Brown, Clerk, Room 101, County Court House, Jacksonville, Duval County, Florida, will be received up to 10 o'clock a.m., Friday, November 20, 1925, for the construction of four additional new concrete highway spans to the McGirt's Creek Bridge now under construction, on Orange Park Road, No. 5, over McGirt's Creek, Duval County, Florida. These approach spans are to be constructed under the Duval County Bond Issue of 1925.

Bids will be received for the construction of the new four spans under one contract. The four new spans will have a total length of 164 feet, consisting of four 41-foot reinforced concrete deck girder spans, with a 28-foot roadway and two 5-foot sidewalks and will connect with the new McGirt's Creek Bridge now under construction, and the McGirt's Creek Bridge abutments and approaches, forming a part of the approaches and will form a part of the approaches to the Jacksonville and Ortega shores of McGirt's Creek. The four new spans contain approximately 638 cubic yards of reinforced concrete, 63,000 pounds of reinforcing steel, and 4,400 linear feet of wooden piles.

Bids will be accompanied by a certified check, drawn upon a local bank, made payable to J. F. Hammond, Chairman of the Board of County Commissioners, or money. Such certified check or money shall be in the sum of 5 per cent of the bid, to be forfeited as liquidated damages (not penalty) by any bidder who is awarded the contract and who fails promptly to execute contract and bond. The certified check or money will be returned to bidders upon execution of the contract and bond, or sooner upon action of the commissioners.

A bond satisfactory to the commissioners for 50 per cent of the total contract price will be required, which must be executed by a resident agent in Duval County, representing a Surety Company, authorized to do business in the State of Florida, and otherwise satisfactory to the County. The contract may be awarded to the lowest responsible and competent bidder but the Board of County Commissioners reserves the right to reject any and all bids and to waive informalities. Bids shall be based upon the plans and specifications of the Bridge Engineer, copies of which may be secured at the office of T. B. Carrick, County Bridge Engineer, Jacksonville, Fla., by depositing $50.00, which sum will be returned in full if plans and specifications are returned in good order within thirty days of the date of opening bids. Plans and specifications may be examined in the County Engineer's Office at any time.

J. F. HAMMOND,
By order of the Board Chairman.
Attest:
FRANK BROWN, Clerk.
Nov. 2, 1925.

Bids: Dec. 1.

Portland Cement

Mobile, Ala.

Sealed proposals will be received by the Alabama State Docks Commission at their office, Second Floor, State Office Building, Mobile, Alabama, until 10:00 A.M., December 1st, 1925; and then publicly opened for furnishing and delivering about 54,000 barrels of Portland Cement.

A deposit of One Thousand ($1,000.00) Dollars in Cash or Certified Check, or in lieu thereof, a bidder's bond for like amount with an approved company, is required with each proposal.

Specifications and proposal forms may be obtained from the office of the Purchasing Agent, Second Floor, State Office Building, Mobile, Alabama.

A bond to the amount of 50% of the sum bid is required with notarial contract.

The right is reserved to reject any or all bids and to waive informalities.

Alabama State Docks Commission,
WILLIAM L. SIBERT,
Chairman.

OFFICIAL PROPOSALS

Bids: Nov. 25.

Road Work

STATE OF RHODE ISLAND
STATE BOARD OF PUBLIC ROADS
Providence, R. I.

Sealed proposals for the construction, under the provisions of the Federal Aid Highway Act, of the following sections of State highway will be received by the State Board of Public Roads at its office, State House, Providence, R. I., until 12 o'clock noon, Eastern Standard Time, on Wednesday, November 25th, 1925, at which time they will be opened and read in public:

Contract No. 2515—Federal Aid
Project No. 30
Scituate-Chopmist Hill Road.

Beginning at the Danielson Pike at Chopmist, so-called, and extending southerly on the Chopmist Hill Road to Rockland, North Scituate Road.

2.36 miles bituminous concrete Topeka, 18 ft. wide, also

Contract No. 2516—Federal Aid
Project No. 29
Cumberland-Diamond Hill Road.

Beginning at Blackstone Street, Valley Falls, and extending northerly on the Diamond Hill Road for 6.61 miles to the Wrentham Road at Grants Mills.

6.61 miles bituminous macadam penetration local base—trap top. 18 ft. wide, 8 inches thick.

Bids on the above contracts must be made on blank forms to be furnished by the board. No bids will be accepted unless accompanied by a certified check for the sum of $200.00 payable to the State of Rhode Island.

The board reserves the right to reject any or all bids and to give preference to towns or cities in accordance with Section 5 of Chapter 97 of the General Laws of Rhode Island, Revision of 1923.

Plans may be examined and specifications and bidding blanks may be obtained at the office of the State Board of Public Roads, Room 10, State House, Providence, R. I., on and after Thursday, November 12th, 1925, every week day (except Saturday and holidays) between the hours of 9 a.m. and 5 p.m. Eastern Standard Time, and on Saturdays from 9 a.m. to 12 m.

State Board of Public Roads
ABRAM L. ATWOOD,
BENJAMIN F. ROBINSON,
FRANK COLE,
JOHN W. HANLEY,
F. A. H. BODINGTON.

Bids: Nov. 23.

Alley Paving

Forest Park, Ill.

Sealed bids will be received by the Board of Local Improvements of Forest Park, Illinois, until 8 o'clock p.m., November 23rd, 1925, for the construction of about 24,300 square yards of concrete alley pavement.

Proposals must be made on blanks furnished by said Board, and can be had on application to Harry C. Huxhold, Village Clerk, Forest Park, Illinois upon the receipt of cash or certified check of the amount of $10.00, which will be refunded upon receipt of bid and return of plans in good condition.

Mayor and Council of the Village of Forest Park.

By HARRY C. HUXHOLD,
Village Clerk.

Bids: Dec. 7.

State Highway Work

Harrisburg, Pa.

Pennsylvania Department of Highways, Harrisburg, Pennsylvania. Bids will be received December 7, 1925, for construction of five projects, totaling approximately twenty-five miles, construction to be either reinforced concrete or grading and drainage. Projects situated in the following counties:

Somerset, Susquehanna, Warren, Westmoreland.

Full particulars upon application to W. H. Connell, Engineering Executive and Deputy Secretary of Highways, Harrisburg, Pennsylvania.

OFFICIAL PROPOSALS

Bids: Nov. 25.

Drainage and Grading

Webster Springs, W. Va.

The West Virginia Midland Railway Company will receive sealed proposals until one o'clock p. m. on the 25th day of November, 1925, for the drainage and grading for a certain section of its railway being a part of the extension of its line of railway between Webster Springs and Bergoo, Webster County, West Virginia, beginning at Station No. 556 and at a point of intersection with the old grade made by the Greenbrier, Cheat and Elk Railroad Company, on the North side of Elk River, thence running approximately 700 feet to the river at bridge location; thence from end of bridge location on South side of Elk River, extending down said river on the South side thereof, to Station No. 300 about one mile below the mouth of Mill Run, a distance of 4.8 miles.

The profile and specifications for said grading and drainage are on file at the office of Jack Blasco, Engineer, in Webster Springs, West Virginia, for inspection by prospective bidders. Proposal forms may also be had at the office of said engineer.

The Railway Company reserves the right to reject any and all bids or proposals; to waive any formal defects in the proposals received, and to accept any bid or proposal which it deems most favorable to the interests of the company.

Proposals shall be made on proposal forms only as furnished by the company or its engineer and shall be delivered to and in the hands of Jack Blasco at Webster Springs, West Virginia, on or before the day and hour therein above specified.

WEST VIRGINIA MIDLAND
RAILWAY Co.
By GEO. A. HECHMER,
General Manager.

Bids: Nov. 24.

Bridge

VIRGINIA STATE HIGHWAY COMMISSION
Richmond, Va., Nov. 3rd, 1925.

Sealed bids will be received at the Office of the State Highway Commission, State Office Bldg., Capitol Square, Richmond, Va., until 10:00 a. m. Tuesday, November 24th, 1925, for the construction of—

ROUTE 31—PROJECT F-372D,—Spotsylvania County. One 38'-10" concrete beam span bridge over Ny River (Roadway-24'), calling for 65 cu.yds. "A" Conc., 126 cu.yds. "B" Conc., and 12,735 lbs. steel.

Contractors will be shown over the work at the District Office, Fredericksburg, Va., 9:30 a. m., Friday, November 13th. District Office and Shipping Point—Fredericksburg, R.F.&P.R.R.—9 mile haul. Proposal guaranty to be certified check to the amount of $1,000. Plans and specifications are on file at, and may be secured from the Richmond Office, Richmond, Va. They are also on file at the District Office.

The State Highway Commission reserves the right to reject any or all bids.

Bids: Dec. 2.

Sewerage, Waterworks and Drainage Construction for 1926

New Orleans, La., Oct. 3, 1925.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock, noon, of Wednesday, December 2nd, 1925, for furnishing labor and material on a percentage basis for sewerage, waterworks and drainage construction, during the year 1926.

Specifications and blank proposal forms may be obtained at the office of the Board, No. 526 Carondelet Street, New Orleans, Louisiana.

The right is reserved to reject any, or all bids.

A. G. MOFFAT,
Secretary.
GEO. G. EARL,
General Superintendent.

CONSTRUCTION NEWS

Engineering News-Record, Nov. 19, 1925

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., East Aurora — Plans extending mains in various streets, $15,000; and extending sewerage system, $13,000.

N. C., Four Oaks—Election Dec. 8, $32,000 bonds, waterworks. N. H. Barber, city clk.

N. C., Murphy — Plans filtration plant, 500,000 g.p.d. capacity. $30,000. J. B. McCrary Eng. Co., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs.

Fla., Kissimmee—Election Dec. 5, $100,000 bonds, mains in various streets.

Fla., Williston — Voted $50,000 bonds, improving waterworks.

Miss., Magee — Defeated $40,000 bonds for waterworks. Project indefinitely postponed. Noted Oct. 29.

Mich., Berkley—Making plans extending 6 and 8 in. mains in Special Assessment Dist. 35. $15,000. R. A. Murdoch, 603 Transportation Bldg., Detroit, engr.

Minn., New Ulm—Making plans filtration plant. $40,000. F. D. Minium, city engr.

Kan., Humboldt — Making preliminary plans filtration plant. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Kan., Herndon — Making preliminary plans waterworks. $40,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Neb., Elgin—Making preliminary plans water distribution system. E. Gacy, city clk.

Mo., Bethany — Voted $45,000 bonds, waterworks.

Mo., Sweet Springs—Election Nov. 24, $65,000 bonds, waterworks and distribution system. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Tex., Devine — Election soon $35,000 or more bonds complete waterworks. Address Mayor.

Tex., Palestine — Plans waterworks extensions in various streets. $35,000. J. Teomer, Palestine, engr.

Tex., Paris — Plans 750,000 gal. water filter bed. $50,000. W. J. Hicks, Paris, engr.

Tex., Pottsboro — Election soon $40,000 bonds, waterworks. Engineer not announced.

Tex., Sherman—Making preliminary surveys waterworks plant, etc. $50,000. Bond election upon adoption of plant. Address O. J. S. Ellington, city mgr.

Tex., Wichita Falls—Election within 6 months $100,000 bonds, waterworks improvements, incl. piping water from Lake Wichita and filtration plant. Address City Engineer.

Calif., Inglewood—Plans election $65,000 bonds, extending waterworks.

Calif., Reedley—Making plans 14 in. well, auxiliary gasoline pumping plant, 259 gal. per min. A. Shaw, supt. Waterworks.

Calif., San Rafael — Marin Municipal Water Dist. voted $1,500,000 bonds, waterworks extensions. Noted Aug. 20.

Ont., Barton — Township Council plans 250,000 Imperial gal. tank, etc., for new water supply from Hamilton. $50,000. Lumsden, Court House Bldg., Hamilton, engr. Noted Sept. 17.

BIDS DESIRED

R. I., Westerly—Westerly Water Works, taking bids 2 story, brick and steel pumping station, incl. machine shop. $25,000. W. T. Arnold, 34½ West Main St., Meriden, Conn., engr.

N. Y., Brooklyn — Nov. 24, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bedford, Howard, Washington Aves., etc., here.

N. J., Lavallette—Nov. 24, by Boro, H. A. Whitelock, clk., pumping machinery, electrical equipment, etc., for water supply system. Sherman & Sleeper, 501 Cooper St., Camden, boro engrs.; adv. E. N.-R. Nov. 19.

Pa., Williamsport—Dec. 1, by Williamsport Water Co., 253 West 4th St., 4 m.g. earth embankment, concrete paved equalizing reservoir Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, engrs.; adv. E. N.-R. Nov. 19.

Md., Baltimore—Nov. 25, by Bd. Awards, valves and hydrants to Bureau Water Supply. V. B. Siems, City Hall, water engr.

Ind., Bloomington—Dec. 9, by City, L. B. Lewis, mayor, water filtration plant. $200,000. Pierce, Greely & Hanson, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. Nov. 19.

Tex., Palacio—Thirty-Sixth Natl. Guard, E. Vandevanter, mgr., taking bids waterworks, incl. 6 in. artesian well, 50,000 gal. wooden receiving tank, 50,000 gal. elevated steel tank, 135 ft. high, 20 to 25 hp. gasoline engine, etc. $40,000. Private plans.

Okla., Wewoka—Dec. 7, by D. R. Fraser, city clk., impounding reservoir, earth dam and 14,000 ft. 12 in. c.i. flow line, 70,000 cu. yd. earth and 7,400 cu.yd. rock excav. $90,000. V. V. Long & Co, 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 8.

BIDS RECEIVED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Nov. 10, mains in St. Nicholas Ave., etc., here, from Wataga Contg. Co., 308 Lenox Ave., New York City, $14,800. Noted Nov. 5.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Nov. 13, mains in Battery, Central, Euclid, Narrows, Remsen Sts., etc., from Knight & De Micco, Inc., 448 East Tremont Ave., New York City, $16,800. Noted Nov. 5.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Nov. 13, mains in Augusta, Cheves, Clove, Cromwell, Forest, etc., here, from N. De Stefano & L. Vignola, 257 Glenn Ave., Tompkinsville, $20,787. Noted Nov. 5.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Nov. 10, mains in Richmond Turnpike, Bay and Canals Sts., here, from Wataga Contg. Co., 308 Lenox Ave., New York City, $47,264. Noted Nov. 5.

Pa., Phila.—Dept. Pub. Pub. Wks., Bureau of Water, Nov. 12, switch board and wiring for Oak Lane Pumping Station, Contr. 779, from Ross Electrical Constr. Co., 106 Fairmount Ave., $12,100; 2,000 tons 6- to 12-in. c.i. mains in various streets, Contr. 281, from M. and J. B. McHugh, 892 North Markoe St., $282,803; and 50,000 lb. piglead, Contr. 782, from United Lead Co., 226 South 5th St., $0.1035 per lb.

O., Cleveland — Comrs. Cuyahoga Co., 11,006 ft. 6 and 16 in. c.i. mains in Lake Rd. (Rocky River), Impvt. 654, from Winterbottom-Connelly Co., 1406 West 25th St., $81,141. Noted Oct. 20.

Ia., Cherokee — State Bd. Control, Des Moines, concrete reservoir, 2 pump houses, 6 in. pipe line, sewer work, etc., for Cherokee State Hospital, here, from Repass Bros., 3832 8th St. Pl., Des Moines, approximately $18,000.

CONTRACTS AWARDED

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, 30 in. steel main, etc., in Beach and North Channel Viaducts, Jamaica Bay Blvd., here, to Mid-West Constr. Co., 189 Montague St., Brooklyn, $581,760; and mains, etc., in various avenues, here, to Stanhy Constr. Co., Steinway Ave., $24,787. Noted Nov. 12.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in South Ave. and Woodrow Rd., here, to Wataga Contg. Co., 308 Lenox Ave., New York City, $25,930. Noted Nov. 12.

La., Alexandria—Rein.-con. reservoir, to E. E. Rabalais, Bunkie, $10,840; pumping equipment, etc., to A. M. Lockett & Co., 521 Baronne St., New Orleans, approximately $20,000.

Neb., Hastings—See "Sewers."

Mo., Sedalia — City Water Co., earthen dam with concrete core wall and spillway, incl. approximately 130,000 cu.yd. excav., and 1,400 yd. concrete work, etc., to Cook-O'Brien Constr. Co., 430 Ry. Exch. Bldg., Kansas City, $107,500. Noted Oct. 29.

Tex., Corpus Christi — City, filtration plant at Calellen for Corpus Christi Waterworks, to Sumner-Sollitt Co., c/o Natl. Bank of Commerce Bldg., San Antonio, $43,264. Noted Oct. 15 under "Calellen."

Sewers

PROPOSED WORK

Mass., East Boston (Boston P. O.) — Dept. Pub. Wks., Boston, plans rebuilding pumping station at lower end of Maverick St. to correct Porter St. overflow, here. $700,000. J. A. Rourke, comr.

N. Y., East Aurora—See "Waterworks."

N. C., Four Oaks—Election Dec. 8, $38,000 bonds sewers in various streets. N. H. Barber, city clk.

Fla., Kissimmee—Election Dec. 5, $250,000 bonds, sanitary and $40,000 bonds, storm sewers in various streets.

Fla., Stuart—Voted $75,000 bonds, sewers in various streets. R. E. Ensey, Stuart, engr. Noted Oct. 15.

Fla., Williston — Voted $65,000 bonds, sewers in various streets.

O., Dayton—Montgomery Co. soon takes bids 8- to 24-in. vitr. sewers in College Hill and Cornell Heights Sanitary Sewer Dists. $120,000. P. E. Borchers, U. B. Bldg., co. sanitary engr.

Mich., Detroit — Hudson Motor Car Co., East Jefferson Ave., plans 1,261 ft. 2 bbl. each 5 x 7 ft. rein.-con. conduit, to sustain 5,000 lb. weight, along easterly wall of proposed Connors Creek Sewer, in vicinity of Jefferson Ave. Private plans.

Mich., Detroit—Sheldon Land Co., made plans 17,097 ft. 12- to 36-in. vitr. crock and concrete sewers in Rosedale Gardens subdivision. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engr.

Mo., Bethany — Voted $25,000 bonds, sewers in various streets.

Mo., Moberly — Election soon $50,000 bonds, sewage disposal plant.

Tex., Amarillo — Making preliminary plans sewage disposal plant, incl. Imhoff tank, sprinkling filters, etc., $52,000; 1½ mi. 15 in. vitr. tile sewers from edge of city to dispos. plant, $25,000; also 10 mi. 6- to 12-in. laterals in various streets, $100,000. H. B. Jones, Amarillo, engr.

Tex., Beaumont—Election Dec. 15, $200,000 bonds sewer extension and improvements. Address O. J. Bloyd, city mgr.

Mo., Sweet Springs — Election Nov. 24, $45,000 bonds, sewers in various streets. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Ore., Portland—City Council plans trunk sewerage system in Willis Blvd. $121,085. O. Laguaard, city engr.

Calif., Alhambra — Made plans 43,226 lin.ft. 8 in. sewer, etc. in Dist. 10. H. E. Blake, city engr.

Calif., Eureka — Making plans sewer mains in Dist. 6, $94,000; sewer laterals and mains in Dists. 2, 3, 4 and 5, to exceed $369,000. F. H. Green, city engr.

Calif., Inglewood—Plans election $250,000 bonds, sanitary sewerage system.

Calif., Richmond—Making plans 31,000 ft. 6- to 12-in. vitr. sewer in section east of 23rd St.; and 21,000 ft. 6- to 12-in. vitr. sewer in section west of 23rd St. E. A. Hoffman, city engr.

BIDS DESIRED

Conn., Hamden (br. New Haven)—Nov. 23, by Sewer Comrs., Town Hall, sewage pumping station, Whitney Ave. and Armory St. $30,000 or more. Address Town Engineers.

Conn., New Haven — Nov. 24, by City, City Hall, storm sewers and appurtenances in Forest Rd., Central, Yale and Alston Aves., Tyron, Fountain and Barnett Sts. E. S. Nettleton, city engr.

N. Y., Brooklyn — Nov. 25, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewers in Avenue J, Eastern and Fort Hamilton Parkways, Linden and Stillwell Aves., East 37th and 58th Sts.

N. Y., New York — Nov. 24, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers, etc. in Truxton St., Van Cortlandt Park South, Dudley and University Aves.

Pa., Overbrook (Phila. P. O.)—Nov. 24, by Boro Council, 10,200 ft. 33 and 36 in. rein.-con. sewers, etc. in Edgewood Ave. (Saw Mill Run Trunk Sanitary Sewer). T. J. McGovern, Municipal Bldg., engr.

Md., Baltimore—Nov. 25, by Bd. Awards, 760 lin.ft. 5 x 4 ft., 700 lin.ft. 4 x 4 ft., 520 lin.ft. 42 x 48 in. and 1,320 lin.ft. 30 x 33 and 36 in. brick and concrete drains, also 5,400 lin.ft. 8- to 15-in. vitr. sewer and 5,000 lin.ft. 6 in. underground drain in

Sewers (Continued)

Storm Water Contr. 87. M. J. Ruark, City Hall, sewerage engr. Noted Nov. 19.

S. C., Lexington—Nov. 24, by Sewerage Comn., City Hall, sewerage system, incl. 24,000 lin.ft. 8 in. vitr. clay or concrete pipe, disposal plant, etc. Carolina Eng. Co., 917 Johnston Bldg., Charlotte, N. C., engrs.

Fla., West Palm Beach—Dec. 3, by City Comn., storm and sanitary sewers in North Borough, Sewer Dist. 9, Contr. 9A. T. B. Henry, city engr.; adv. E. N.-R. Nov. 19.

O., Akron—Nov. 27, by W. F. Peters, dir. Pub. Serv., Hawkins Ave. Trunk Sewer, incl. 3,800 ft. 36 in. vitr. clay pipe in Sect. 2, $136,000, and 5,000 ft. 30 in. vitr. clay pipe in Sect. 3, $138,000. J. E. Root, Delaware Bldg., engr. Noted Jan. 22.

O., Columbus—Nov. 24, by W. H. Duffy, dir. Pub. Serv., extending 2,907 ft. 6- to 30-in. rein.-con. sewer in 18th Ave. from alley east of 4th St. to Grant Ave. $35,475. R. H. Simpson, city engr. Noted Aug. 13.

Mich., Holland — Dec. 16, by Common Council, intercepting and outfall sewers. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. Nov. 19.

Mich., Jackson—Dec. 7, by City Clerk, high level intercepting sewer extension. J. E. Whittaker, city mgr.; adv. E. N.-R. Nov. 19.

Calif., La Habra—City Trustees taking bids 21,428 lin.ft. 10- to 15-in. vitr. clay and concrete or concrete and brick outfall sewer. W. G. Knox, Ramona Bldg., Santa Ana, engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Nov. 10, sanitary sewers in 158th St., etc. from Awexa Corp., Islip **(A)** $765,624 **(B)** $740,754; in 158th St., etc. from H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica **(A)** $734,082 **(B)** $696,657; 158th St., etc. from Marino Paino, 32 Court St., Brooklyn, $75,504; sewers and grading Polk Ave., from J. W. Murphy, 8866 26th St., Brooklyn **(A)** $37,004, and from Muccinni & Decker, 6102 18th Ave., Brooklyn, **(B)** $35,986. Noted Nov. 5.

Fla., Wauchula — Bd. Bond Trustees, Nov. 2, constructing sanitary sewers and water distribution system **(a)** concrete sewer pipe, bell and spigot water pipe **(b)** vitr. clay sewer pipe, bell and spigot water pipe **(c)** clay sewer pipe and centrifugal water pipe **(d)** clay sewer pipe and universal water pipe **(e)** clay sewer pipe **(f)** bell and spigot water pipe and **(g)** septic tank, from E. M. Scheflow, Elgin, Ill., **(a)** $119,004 **(b)** $119,991 **(c)** $115,897; from A. H. Guion, Gastonia, N. C., **(b, c and d)** each $157,044; from J. R. Vaughan & Co., Roanoke, Va., **(d)** $141,416; from Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., Detroit, Mich., **(e)** $108,139; from Cumberland Constr. Co., Cumberland, Md., **(f)** $62,462; and from Z. B. Hayslip, Wauchula, **(g)** $1,299. Noted Oct. 8.

Ia., Cherokee—See "Waterworks."

Minn., St. Paul—Constructing St. Paul Ave. Sewerage System 1, from Thornton Bros., 318 Endicott Bldg., $72,837.

Colo., Denver—Sanitary sewers in Part A, Sub. Dist. 12, of West and South Side Sanitary Sewer Dist., from Pratt & Wahlgren, 2143 South Penn Ave., $24,305. Engrs. est. $35,000.

Calif., Pomona—Black & Veatch, engrs., 617 Ferguson Bldg., Los Angeles, sludge sewage treatment plant, here, from Oberg Bros., 3470 Hollenbeck Ave., Los Angeles, for City. $94,357. Noted Oct. 15.

CONTRACTS AWARDED

Conn., Greenwich—Sewer Comrs., sewage disposal plant for Sewer Dist. 1, Sound Beach, to M. Delfino, 77 North Highland Ave., Ossining, N. Y. $69,885.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, **(e. e. means engrs. est.)** to P. J. Dolon Contg. Co., Snyder Ave. and East 56th St., sewer in West 33rd St. 71% e. e. $167,521; to Pic Vac Corp., in Stillwell Ave. 74% e. e. $20,153; to Nazzarro & Guerriero, West 9th St., East 12th St. 73.93% e. e. $8,781; and West 10th St., 69.97% e. e. $3,742; to Manmill Constr. Co., 2035 Douglas St., 62nd St. 82.4% e. e. $4,768, East 57th St. 81.8% e. e. $5,607, and 81st St. 81.8% e. e. $3,810; to S. Ambrosio, 1016 East 60th St., East 9th St. 74.95% e. e. $4,766 and Avenue K 78% e. e. $1,663; to A. W. Matarazzo, 1163 61st St., East 57th St. 74.66% e. e $4,368; to Tomassetti & Co., Inc., 1133 6th St., 93rd St. 77% e. e. $3,490. Noted Nov. 5.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., outlet barrel stave sewer, pumping facilities, etc., westerly end 5th Ave. near 10th St., to H. Johnson, Astoria Ave. and East 46th St., Elmhurst, $24,960; combined sewer, etc., in 133rd St., to Greenough Coppinger, Inc., 9301 86th Rd., Woodhaven, $2,056. Noted Nov. 5.

N. J., Camden—Pensauken Twp. Comn., vitr. sewers in Delaware Gardens, to N. J. Constr. Co., Dock St., Hackensack, $58,801.

N. J., Jersey City—Bd. City Comrs., City Hall, extending Jackson Ave. outlet sewer, to Sigretto Contg. Co., 1475 Woodhaven Ave.; Woodhaven, N. Y., $800,000. Noted Oct. 15.

Md., Baltimore — Bd. Awards, storm drains and sanitary sewers listed in Contr. 224, to P. Marocco, 638 South Linwood Ave., $123,991. Noted Nov. 2.

O., Cleveland—For 1,865 ft. 3 and 4 in. brick block sewers in Broadview Rd., to Manson Co., 716 The Arcade, $27,496.

O., Kenmore — Sect. B, Central Storm Water Sewer, from 16th St. northwest to point about 1,200 ft., to F. Barcio, Kenmore, $25,186. Engrs. est. $25,000. Noted Sept. 10.

Wis., Milwaukee—Dept. Pub. Wks., to J. Brogan & Sons, 211 Grand Ave., vitr. or concrete ewers in Atkinson Ave., $895; to H. O. Schaefer & Sons, 1149 East Mason St., Green Bay, in Grand Ave. $1,886, Lisbon Ave. $15,499; to W. T. Werner, 675 Hi-Mount Blvd., Chambers St. $1,761, Clarke St. $2,012, and 55th St. $12,744; to P. & L. Co., 1107 Humboldt Ave., Center St. $309; to Clayton Constr. Co., 929 Hackett Ave., Burleigh St. $34,419. Grand total $69,525. Noted Nov. 22.

Ia., Des Moines—See "Streets and Roads."

Neb., Hastings — City Council, 3,783 ft. lateral sewers in Dist. 106 and 15,203 ft. in Dist. 107, to A. A. Dobson Co., 801 1st Natl. Bank Bldg., Lincoln, $3,425 and $17,950 respectively; and 3,610 ft. water mains in Dist. 66 and 322 ft. in Dist. 67, to C. Young, Hastings, $3,550 and $350 respectively. Grand total $25,275.

Mo., Liberty — E. B. Black, city clk., 8,686 ft. 8 and 10 in. vitr. clay sewers in Southeast Section, 2,344 ft. 8 in. vitr. clay sewer in Southwest Section, 3,705 ft. 8 in. vitr. clay sewer in Sewer Dist. 10, 3,315 ft. 6 and 8 in. vitr. clay sewer, etc. in Sewer Dist. 11 also 1,350 ft. 6 in. vitr. clay sewer in Sewer Dist. 12, to Halpin-Boyle Constr. Co., 709 Ry. Exch. Bldg., Kansas City, and 1,407 ft. 8 in. vitr. clay sewer in Northwest Section, to S. Fields, Liberty.

Calif., Oakland—Vitr. sewers in Fruitvale Ave. and Foothill Blvd., to J. Garden, 386 15th St., approximately $35,500. Noted Oct. 29.

Waste Disposal

PROPOSED WORK

Tex., Palacios — Thirty-Sixth Div. Tex. Natl. Guard, E. Vandeventer, mgr., soon takes bids incinerator for solid garbage.

BIDS DESIRED

Wis., Racine—Nov. 21, by H. A. Nelson, comr. Pub. Wks., remodeling garbage incinerator, incl. new furnaces, etc.

CONTRACTS AWARDED

Mass., New Bedford — Bd. Health, incinerator plant, 100 tons per 24 hr. capacity, to Superior Incinerator Co., Wilson Bldg., Dallas, Tex. Noted Aug. 13.

Bridges

PROPOSED WORK

North Carolina and South Carolina — Southern Ry., 1300 Penn Ave., Wash., D. C., B. Herman, ch. engr., plans 6 heavy bridges to replace lighter ones in North Carolina and South Carolina, one of bridges to be 625 ft. long over Yadkin River, near Idols between Winston-Salem and Charlotte, N. C. This corrects report in Oct. 22 issue.

Fla., Kissimmee—Election Dec. 5, $30,000 bonds, draw bridge over portion of Lake Tohopekaliga on Ocean to the Gulf Highway and inside city limits.

La., New Orleans—E. Watson, c/o Watson Williams Syndicate, 830 Common St., plans toll bridge over portion of Lake Pontchartrain, here. $5,000,000. Elliot-Harmon Eng. Co., Bank of Commerce Bldg., Memphis, Tenn., consult. engrs. Ford, Bacon & Davis, 115 Bway., New York City, N. Y., constr. engrs.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, plans concrete and steel bridge over Loosahatchie River, Shelby Co. C. N. Bass, acting comr.

O., Dayton—Montgomery Co. voted $[illegible] 000 bonds, new highway bridges. W. [illegible] Pease, Dayton, co. surv.

Ill., Chicago—Election Apr. 6, $7,000,[illegible] bonds new double deck bridge over river [illegible] North Wabash Ave., and double deck [illegible] Cass and Rush Sts. north to Ohio and K[illegible]zie Sts., Austin Ave., Illinois St. and Gr[illegible] Ave., etc. A. F. Gorman, city clk.

Wis., Racine—H. A. Nelson, comr. P[illegible] Wks., will receive plans and specificatio[illegible] Dec. 1, for 90 ft. steel bascule bridge, [illegible] ft. roadway and 6 ft. walks over R[illegible] River, at Main St. To exceed $25,000. [illegible]gineer not selected.

Neb., Omaha — Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, Ill., making plans remodeling southern part and extending 11th and Mason St. Bridge to connect with Burlington Postal Terminal. $35,000. A. W. Newton, ch. engr.

Missouri—State Hy. Dept., Jefferson City, making plans three 8 ft. and four 10 ft. slab spans, etc. over streams, three 20 ft. rein.-con. slab spans, etc. over Mackafish Branch, one 30 ft. and one 35 ft. rein.-con. deck girder spans, etc. over Dear Creek, and one 60 ft. steel truss span, etc. over Mormon Fork, all in Bates Co.; one 80 ft. steel truss and five 30 ft. rein.-con. deck girder spans, etc. over north fork Spring River, Barton Co.; one 40 ft. rein.-con. deck girder span, etc. over Cole Camp West, Benton Co.; four 35 ft. rein.-con. deck girder spans, etc. over Bryant Creek, Douglas Co.; three 100 ft. rein.-con. arch spans, etc. over Sac River, Greene Co.; three 45 ft. rein.-con. deck girder spans, etc. over Sulphur Creek, and one 30 ft. rein.-con. deck girder span, etc. over Pipes Creek, both in Howard Co.; one 35 ft. rein.-con. deck girder and four 20 ft. rein.-con. slab span, etc. over Missouri Pacific R.R. tracks, Iron Co.; two 10 ft. rein.-con. slab spans, etc. over McVey Branch, two 16 ft. rein.-con. slab spans, etc. over Brennon Creek, one 20 ft. rein.-con. slab span, etc. over Barnett Branch, one 20 ft. rein.-con. slab span, etc. over Freeman Creek, three 30 ft. rein.-con. deck and one 80 ft. steel truss spans, etc. over Goodwin Hollow, all foregoing in Laclede Co.; two 10 ft. rein.-con. slab spans, etc. on Sta. 444 plus 00, seven 20 ft. rein.-con. slab spans, etc. over Turkey Creek, three 20 ft. rein.-con. slab spans, etc. over Hickory Branch, three 30 ft. rein.-con. deck girder spans, etc. over Elk Creek, and one 40 ft. rein.-con. deck girder span, etc. over Little Turkey Creek, all foregoing in Linn Co.; three 44 ft. I-beam spans, etc. on Stations 18.1 plus 74.5, 91 plus 10.2 and 150 plus 88.8, all in New Madrid Co.; one 30 ft. I-beam span, etc. on Sta. 385 plus 24, one 40 ft. I-beam span, etc. on Sta. 26 plus 18.6, one 50 ft. I-beam span, etc. on Sta. 10 plus 52.2, one 70 ft. steel truss span, etc. on Sta. 265 plus 91.8 and one 85 ft. steel truss span, etc. on Sta. 400 plus 44.9, all foregoing in Scott Co.; one 24 ft. I-beam span, etc. on Sta. 6.37 plus 90.9 one 34 ft. I-beam span, etc. on Sta. 55.2 plus 49.5, one 35 ft. I-beam span, etc. on Sta. 679 plus 57.1, one 40 ft. I-beam span, etc. on Sta. 738 plus 87, one 44 ft. I-beam span, etc. on Sta. 604 plus 8.6 and one 120 ft. steel truss span, etc. on Sta. 684 plus 83.1, all foregoing in Stoddard Co.; one 20 ft. rein.-con. slab span, etc. over branch Turkey Creek, 45 ft. rein.-con. deck girder span, etc. over Turkey Creek, one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc. over Bear Creek, one 20 ft. rein.-con. deck girder span, etc. on Sta. 683 plus 08, all foregoing in Wayne Co.; and two 25 ft. rein.-con. deck girder spans, etc. over Prairie Hollow, Wright Co. B. H. Piepmeier, highway engr.

Tex., Abilene—See "Streets and Roads."

Tex., Angleton—See "Streets and Roads."

Tex., Sanderson — See "Streets and Roads."

Ont., Bridgeburg—Plans steel and cement bridge over Railway Cut. $145,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engr.

BIDS DESIRED

N. Y., Yonkers—Dec. 7, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, Bronx River Parkway Dr. Bridge 6[illegible] stone and rein.-con. over Bronx River Parkway Dr., at Yonkers Ave., here. J. Downer, ch. engr.; adv. E. N.-R. Nov. 19.

South Carolina—Dec. 15, by State Hy. Dept., Columbia, 1,415 ft. open spandrel rein.-con. bridge over Congaree River, on State Route 2 and 12, Federal Aid Project 251, in Richland and Lexington Counties, incl. 1,500,000 lb. reinforcing. Address State Highway Engineer, Columbia.

South Carolina—See "Streets and Roads."

Ala., Mobile — Jan. 4, by Mobile Bridge Co., Meaher Bldg., construction complete

Bridges (Continued)

(except earthwork, embankment, dredging and paving) bridge over Mobile Bay, etc. Harrington, Howard & Ash, Kansas City, Mo., consult. engrs.; adv. E. N.-R. Nov. 19. Noted Sept. 10.

Tennessee—See "Streets and Roads."

Ill., Chicago—Dec. 10, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., metal work for superstructure 188 ft. double leaf trunnion bascule bridge over Main Drainage Channel of Sanitary Dist. of Chicago, at South Crawford Ave. Total $1,500,000. M. Eller, chn. Com. on Finance. Noted July 9.

Kan., Ottawa—Nov. 25, by E. M. Cusick, city clk., City Hall, 3 span 225 ft. continuous plate concrete deck girder bridge, 61 ft., on concrete piers and abutments, gunite encasement, etc., over Marais des Cyges River, at Main St. $100,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Nov. 12.

Kan., Stockton — See "Streets and Roads."

Tex., Crockett—See "Streets and Roads."

Tex., La Grange — See "Streets and Roads."

Washington—Dec. 1, by State Hy. Dept., Olympia, one 50 ft. rein.-con. T-beam bridge over Wapato Canal on State Rd. 9 between Union Gap and Parker, Yakima Co., incl. approximately 750 ft. rein.-con. retaining wall, etc.; also 6 short concrete span bridges and 3 concrete box culverts on State Rd. 9 between Grand Mound and Elma, Thurston and Grays Harbor Counties. J. W. Hoover, highway engr.

Calif., Carlsbad—Nov. 30, by State Hy. Comn., Sacramento, one 27 ft. two 31 ft. and two 32 ft. span rein.-con. girder bridge over Atchison, Topeka & Santa Fe R.R. tracks, near here. R. M. Morton, Forum Bldg., Sacramento, highway engr.

BIDS RECEIVED

Pa., Phila.—Bureau of Highways, Dept. Pub. Wks., Nov. 10, from J. J. McHugh, 1617 Race St., grading Ludlow St. between 45th and 46th Sts. $1,829, from T. Conner, 3621 North 5th St., Tulip St. between Decatur and Rhawn Sts. $832; from Barber Asphalt Co., 239 North 30th St., asphalt paving B St. between Loudon and Eleanor Sts. $3,655, Leiper St. between Church and Adams Sts. $12,411, Ludlow St. between 47th and 48th Sts. $7,115, Marsden St. between St. Vincent and Cottman Sts. $4,532, and Torresdale St. between I and N Sts. $107,625, from Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Boyer St. between Belfield and Montana Sts. $13,523, Crittenden St. between Phil-Ellena St. and Vernon Rd. $12,632, and N St. between Kensington and Luzerne Sts. $19,576, from Eastern Asphalt Co., Penn Bldg., Johnston St. between Randolph and 7th Sts. $12,895; from J. Devlin, Jr., Hancock and Thompson Sts., portland cement concrete base on Victoria St. between Elder and Germantown Sts. $943; from Atlantic Refining Co., 260 South Broad St., furnishing bituminous filler for wood blocks, contraction tanks $2,950 and city tanks $2,880; from Union Paving Co., 30th and Locust Sts., furnishing and delivering sand for asphalt paving mixture $3,014, and furnishing asphalt paving mixtures $14,850, from A. Di Renzo, 1019 Wood St., Bristol, reconstructing Knights Bridge over Poquessing Creek, $5,160; and from J. H. Terry & Co., 969 Drexell Bldg., repairing Bridge St. Bridge over Frankford Creek $5,140.

South Carolina—See "Streets and Roads."

Texas and Oklahoma—E. P. Walsh, aud. Wichita Co., Wichita Falls, Tex., Oct. 23, bridge over Red River, on Texas-Oklahoma Federal Aid Project 491, between Burkburnett, Tex. and Randlett, Okla., from A. R. Mackey, Denver, Colo., concrete $231,508, steel $233,724. Noted Oct. 1.

Tex., Georgetown — See "Streets and Roads."

Tex., Kaufman—See "Streets and Roads."

Ore., Portland—Comrs. Multnomah Co., at Court House, approaches for Burnside Bridge, from Lindstrom & Feigenson, Worcester Bldg., $93,976.

CONTRACTS AWARDED

N. Y., Buffalo — Buffalo & Fort Erie Bridge Co., Ellicott Sq. Bldg., bridge over Niagara River, to Bethlehem Steel Co., Lackawanna, $1,324,750. Noted Oct. 15.

Fla., Tavares—Bd. Trustees Leake Co., 2 mi. trestle, to W. H. Williams Co., Inc., 816 Howard St., New Orleans, La., approximately $250,000.

Ia., Corydon—Wayne Co., one 20 x 50 ft. pony truss bridge and one 20 x 120 ft. high truss bridge, to Snyder & Johnson, Ft. Dodge, $21,812; also 44 box culverts, to A. A. Alexander, 2901 5th St., Des Moines, $33,900.

Ia., Davenport—See "Streets and Roads."

Nebraska—See "Streets and Roads."

Tex., Anderson—See "Streets and Roads."

Tex., Boston—See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, (**e. e. means engineers estimate**), to Pittsburgh-Des Moines Steel Co., 913 Tuttle St., Des Moines, Ia., 3 span 148 ft. steel truss and I-beam bridge on concrete piers at Big Cabin Craig Co., 12 tons reinforcing, 40 tons steel truss, etc. $17,719, e. e. $25,000, and 1 span 160 ft. steel truss bridge on pile piers, at Clayton, Pushmataha Co., 7.95 tons reinforcing, 28,775 ft. wooden piling, etc. $23,104, e. e. $25,000; to J. S. Terry, Poteau, 7 span 216 ft. rein.-con. bridge on concrete and wooden piling piers, at Ataka, Ataka Co., 19.9 tons reinforcing, 31,550 ft. wooden piling, etc. $44,153, e. e. $51,600, 3 span 116 ft. rein.-con. bridge on concrete piers at Summerfield, Le Flore Co., 14 tons reinforcing, 126 tons I-beam, etc. $36,188, e. e. $40,000, and 3 span 330 ft. steel truss bridge on concrete piers at Heavenor, Le Flore Co., 171 tons steel truss, 18 tons reinforcing, etc. $35,242, e. e. $40,000; to Boardman Co., West Maple St., Oklahoma City, 3 span 122 ft. steel truss bridge on concrete piers at Ninnekah, Grady Co., 39.5 tons steel truss, 10.96 tons reinforcing, 3,140 ft. wooden piling, etc. $16,777, e. e. $25,000, 3 span 130 ft. steel truss bridge at Renfrow, Grant Co., 45 tons steel truss, 9.23 tons reinforcing, etc. $23,483, e. e. $25,000, and 7 span 234 ft. steel I-beam bridge on concrete piers at Wetumka, Hughes Co., 54.72 tons steel I-beam, 16.4 tons reinforcing, etc. $25,608, e. e. $32,500; to Gaines, Yoekum & Mackay, 519 West Main St., Oklahoma City, 3 span 186 ft. steel truss bridge on concrete piers at Fanshawe, Le Flore Co., 110.55 tons steel truss, 15.25 tons reinforcing, etc. $34,992, e. e. $35,000, 2 span 140 ft. steel truss bridge on concrete piers at Wetumka, Hughes Co., 369.75 tons steel truss, 37.7 tons reinforcing, etc. $82,589, e. e. $95,000, and 2 span 60 ft. rein.-con. bridge at Mulhal, Logan Co. $30,927, e. e. $32,500, to McNeal & Wells, Perry, 3 span 102 ft. I-beam bridge on concrete piers at Orlando, Noble Co., 30 tons steel I-beam, 13.87 tons reinforcing, etc. $13,542, e. e. $25,000; to G. Southerland, Purcell, 1 span 156 ft. steel truss bridge on concrete piers at Red Rock, Noble Co., 58.6 tons steel truss, 11.6 tons reinforcing, etc. $18,462, e. e. $25,000; to M. E. Gilloiz, Monett, Mo., 2 span 216 ft. steel truss bridge on concrete piers at Alluwe, Nowata Co., 124.75 tons steel truss, 26.15 tons reinforcing, etc. $35,993, e. e. $37,500; to Altman-Rogers, McAlester, 6 span 120 ft. rein.-con. bridge at Haywood, Pittsburgh Co., 10.64 tons reinforcing, etc. $26,499, e. e. $28,000; to Hamilton Constr. Co., Bartlesville, 1 span 40 ft. rein.-con. bridge at Claremore, Rogers Co., 9.22 tons reinforcing, etc. $5,665, e. e. $25,000. Grand total $500,388. Noted Oct. 22.

Ore., Cascade Locks — Benton-Franklin Co., c/o W. F. Crow, Walla Walla, Wash., for Bridge of the Gods, 1,530 ft. cantilever type, here, to Puget Sound Bridge & Dredging Co., and Union Bridge Co., Central Bldg., Seattle, Wash. $600,000 cost plus percentage basis.

Ont., Welland — J. W. Pugsley, secy. Dept. Rys. & Canals, Ottawa, superstructure and machinery for 4 bascule bridges over Welland Ship Canal, to Hamilton Bridge Wks., Hamilton. Engrs. est. $1,000,000. Noted Aug. 27.

Dam

CONTRACTS AWARDED

Mo., Sedalia—See "Waterworks."

Railways

PROPOSED WORK

Wisconsin—Chicago & Northwestern Ry. Co., West Jackson and Franklin Sts., Chicago, Ill., making plans taking up and rerouting Lake Shore division tracks in Shorewood and Whitefish Bay. City of Shorewood voted $49,000 bonds and Whitefish Bay $119,000 bonds, agreeing to raise additional $19,000 from other sources to be paid to railroad for above work. W. J. Towne, Chicago, Ill., ch. engr. Noted Oct. 29.

Montana — Chicago, Milwaukee & St. Paul R.R. Co., Union Sta., Chicago, Ill., plans extending Big Black Foot branch railroad, 13 mi. in Missoula Co., here; also extending old grade, $170,935. C. F. Loweth, ch. engr.

BIDS DESIRED

Utah — R. L. Huntley, ch. engr. Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., taking bids 25 mi. roadbed and laying rails, incl. 840 ft. rock tunneling and bridges, one to have several 150 ft. spans on rock concrete piers, etc. east of Ogden, here. $2,500,000.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

N. Y., East Aurora—Plans deepening and straightening Tannery Brook. $15,000.

N. J., Ocean City—Plans derrick stone jetties, 600 ft. diagonal line 200-500 ft. wide, on ocean front between 59th and 60th Sts. $60,000. Engineer not selected.

Fla., Salerno—Voted $78,000 bonds, sea wall and bulkhead.

Tex., Freeport — Brazos River Harbor Assn., making surveys diverting main stream of Brazos River about 6 mi. above mouth across total flat of the Gulf, utilizing old channel of river below for harbor purposes. $1,000,000.

Tex., Pearsall — Frio Co. election soon $50,000 bonds cover costs surveys, etc., irrigating 45,000-50,000 acres, for Dilley-Pearsall Water Impvt. Dist. Total $3,000,000. Address L. DeVilbiss, dir. Frio Co. Irrigation District.

BIDS DESIRED

Mich., Detroit—Nov. 30, by G. A. Dingeman, drain comr. Wayne Co., County Bldg., Red Run Drain, in Nankin Twp., incl. Sect. 1 5,200 ft., 4.04 ft. depth; Sect. 2, 2,600 ft., 4.18 ft. depth; Sect. 3, 1,900 ft., 4.78 ft. depth; and Sect. 4, 1,900 ft., 4.04 ft., all above 2 ft. bottom width.

Ark., Jonesboro—Dec. 15, at office Cobb & Lee, engrs., Amer. Trust Bldg., 1,848,500 cu.yd. earthwork in Levees and 1,284,800 cu.yd. excav. in ditches, for Bay-St. Francis D. D. 29, Craighead Co.

Calif., Oroville—See "Contracts Awarded."

BIDS RECEIVED

N. Y., New York — M. Cosgrove, comr. Docks, Pier "A," ft. Battery Pl., Nov. 12, dredging at Pier 84, North River, Contr. 1866, from Morris & Cummings, 17 State St., $38,466. Noted Nov. 5.

Calif., Los Angeles — Bd. Supervs. Los Angeles Co. Flood Control Dist., Hall of Records, Oct. 12, 3 earthen dams, tunnels, spillways, etc., at Puddingstone Reservoir Site, from Ross Constr. Co., Van Nuys Hotel, $780,611. Engrs. est. $800,000.

CONTRACTS AWARDED

N. Y., New York — M. Cosgrove, comr. Docks, dredging at West 47th St., North River, Contr. 1865, to Morris & Cummings, 17 State St., $20,000. Noted Oct. 29.

La., New Orleans—Bd. State engineers, 213 New Courthouse Bldg., 75,000 cu.yd. in Billy Bayou South Levee, Ascension Parish, to Douglas, Buchanan & Crow, Shreveport, $12,237; also 30,000 cu.yd. on Bayou Lafourche Dyke, same parish, to T. S. Hulse, Destrahan. Noted Oct. 29.

Mo., St. Charles — Hancock Bottoms Drainage and Protective Dist. 1, at St. Charles Co. Court Room, 900 lin.ft. standard current retards, to Woods Bros. Constr. Co., Lincoln, Neb., approximately $50,000; 130,000 cu.yd. excav. in embankments, levees, ditches, etc., to Pioneer Constr. Co., 270 Glover Bldg., Kansas City, approximately $22,000. Noted Oct. 22.

Mo., Sedalia—See "Waterworks."

Calif., Oroville—Oroville-Wyandotte Irrigation Dist., Butte Co., will reconstruct Hansonville-Bangor-Sunny Slope Ditch, incl. 16,000 lin.ft. ditch and 40 cu.yds. rubble wall, by day labor. W. J. Monroe, secy.

Canada — Dept. Pub. Wks., Parliament Bldgs., Ottawa, (recent awards), (**e. e. means engineers estimate**), to L. Lemoine, Ltd., Lauzon, Ont., rip rap stone walls, St. Andre, Kamouraska Co., e. e. $11,800, constructing superstructure and repairing wharf Matane, Matane Co., e. e. $50,000, and reconstructing portion wharf at Port au Saumon, $20,400, all above in Quebec; to H. Bigelow, Windsor, N. S., extending breakwater at Halls Harbor, e. e. $11,000, and extending wharves in Wolfsville, both in Kings Co., Nova Scotia, e. e. $8,000; to Arcadia Constr. Co., Lunenberg, N. S., dredging at Port Mouton, N. S., e. e. $15,000; to Birmingham & Sons, Kingston, constructing rubble wall between out end of West Pier and inner end of West Breakwater, Port Burwell, Elgin Co., Ont., e. e. $30,000; to Lachain & Scholles, Winnipeg, Man., protection works across mouth Portage Creek, southern end Lake Monotoba, Delt, Portage la Prairie Co., Man., e. e. $33,000; to W. E. Laudny, Antigonish, N. S., constructing breakwater in Aspy Bay, Dingwall, Victoria Co., N. S., e. e. $25,000; to T. M. Handing, Liverpool, N. S., constructing extension to breakwater Saulnierville, Digby Co., N. S., e. e. $6,300; to Atlantic Dredging Co., Sydney, N. S., constructing wharf Main-a-Deau, Cape Breton Co., N. S., e. e. $8,000; to G. W.

Excavation, Drainage, Irrigation, Levees (Continued)

Rayner, Midland, Ont., wharves at Honey Harbor, Muskoka Dist., Ont., e. e. $11,800; to Halifax Dredging Co., Halifax, N. S., dredging in East River, Nova Scotia, e. e. $20,000.

Streets and Roads

PROPOSED WORK

N. Y., East Aurora—Plans paving Sycamore St. $50,000.

N. Y., Peekskill — Westchester Co. Park Comrs., 72 Pondfield Rd., Bronxville, received no bids Oct. 27, grading and concrete paving portion of State Parkway from State Camp Rock to Bear Mountain Bridge Approach Rd. at Roa Hook, near here. Noted Oct. 8.

Pa., Pittsburgh — Made plans and soon takes bids grading, curbing and paving Rickbarn Ave. between Brighton Rd. and Brighton Villas. $30,000. Dept. Pub. Wks., City County Bldg., engrs.

Fla., Gainesville — Alachua Co., election soon $1,000,000 bonds, road system.

Fla., Kissimmee—Election Dec. 5, $600,000 bonds, paving various streets.

Fla., Mayo—Lafayette Co., election soon $500,000 bonds, road system.

Fla., Moore Haven—Glades Co., election Nov. 24, $217,000 bonds constructing Projects A to H (inclusive).

Fla., Stuart — Voted $150,000 bonds, grading, paving and curbing various streets. R. F. Ensey, Stuart, engr. Noted Oct. 15.

Miss., Belzoni — Humphreys Co. voted $100,000 bonds, improving various roads.

La., Baton Rouge — East Baton Rouge Parish, election Dec. 29, $57,000 bonds hardsurfacing 2 mi. Sub-Road Dist. 5 (Perkins Rd.) and $135,000 bonds, grading and graveling 14 mi. Sub-Road Dist. 1 (Jefferson Highway from city limits to Bayou Manchac). F. A. Woods, secy.

La., Boiser City — Making preliminary plans grading, curbing, concrete, asphalt, rock asphalt or brick paving various streets. $40,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engr.

Tenn., Madisonville — Monroe Co. plans improving 7 mi. McCroskey Highway. To exceed $25,000.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids in spring grading, curbing, sidewalks and vitr. brick on 6 in. concrete surfacing 1,655 sq.yd. Dorchester Rd., $14,600; and 2,680 sq.yd. Oakland Ave., $17,000. E. A. Kemmler, Delaware Bldg., engr.

O., Alliance—Bd. Control takes bids in spring, asphalt paving ½ mi. College St. from Arch St., to Liberty Ave., 40 ft. $28,700. H. Anderson, city engr.

O., Cleveland — Voted $2,000,000 bonds, grading, paving, repaving and sewers in various streets. R. Hoffman, City Hall, engr. Noted Sept. 10.

Wis., Madison — Dane Co. Hy. Comn. plans concrete paving 158.9 mi. State Trunk Highways 10, 12, 13, 19, 31, 41 and 106 during next 5 years. Total $4,737,300. Voted $2,500,000 bonds for same. State appropriates $1,698,280 towards cost. J. R. Caldwell, co. highway comr.

Minn., Minneapolis — Bd. Park Comrs., C. E. Doell, secy., making plans surfacing approximately 9 mi. Minnehaha Parkway. $225,000.

Kan., Russell — Russell Co. soon takes bids grading, etc. 8.849 mi. Federal Aid Project 301-A and B, 28 ft. F. C. Gilmore, Court House, co. engr. G. L. Campbell, Salina, consult. engr.

South Dakota — State Hy. Dept., Pierre, **(F. A. P. means Federal Aid Project)**, plans gravel surfacing 16,400 yd. F.A.P. 15-A, Lawrence Co.; 8,500 yd. F.A.P. 100-A, Pennington Co.; 11,300 yd. F.A.P. 163, Butte and Lawrence Counties; 21,000 yd. F.A.P. 184-A, Spink and South Counties; 18,500 yd. F.A.P. 184-B, Beadle Co.; 16,700 yd. F.A.P. 186-B, and 14,400 yd. F.A.P. 186-C, Sanborn Co.; 41,800 yd. F.A.P. 174, Union Co.; 10,400 yd. F.A.P. 178-A, Bon Homme Co.; 21,200 yd. F.A.P. 178-C, Yankton Co., and 16,700 yd. F.A.P. 161, Hanson Co. T. Soleglad, acting highway engr.

Mo., Clinton—Making preliminary plans grading, curbing, guttering and 7 in. vibrated concrete slab paving approximately 8,400 sq.yd. East Ohio St. C. A. Calvird, Jr., city clk.

Tex., Abilene — Taylor Co. takes bids after Nov. 18, grading, bridging and bituminous concrete on macadam paving, 5.74 mi. Highway 1. $196,000. L. C. McCanlies, Abilene, engr.

Tex., Angleton—Brazoria Co., made plans and soon takes bids grading, bridging and surfacing 11¾ mi. Highway 58, proposed Federal Aid Project 442, 16 ft. $445,000. C. A. Gavin, Angleton, engr.

Tex., Beaumont — Election in December $400,000 bonds, paving various streets. R. C. Black, city engr.

Tex., Edna — Jackson Co. election soon $250,000 bonds paving 16 mi. Glacier to Gulf Highway, 18 ft. Address County Judge.

Tex., Ft. Worth—Election Nov. 24, $2,855,000 bonds, grading, widening and paving various streets and Camp Bowie Blvd. D. L. Lewis, Ft. Worth, city engr.

Tex., Lubbock — Lubbock Co. making plans grading and caliche surfacing, etc. 15 mi. State Highway 53 between Lubbock and Idalou, 18 ft. $100,000. B. K. Garrett, Lubbock, engr.

Tex., Moulton—Lavaca Co. election soon $175,000 bonds surfacing 34 mi. roads on Smithville-Yoakum Highway. State and Federal Aid to appropriate toward same. W. H. Koether, Moulton, co. engr.

Tex., Sanderson — Terrell Co. making plans grading and bridging 8½ mi. Highway 3. $60,000. J. Stovall, Sanderson, engr.

Tex., Teague — Defeated $30,000 bonds paving various streets. Noted Oct. 15.

Tex., Uvalde—Uvalde Co. soon takes bids grading and bridging 17.57 mi. Highway 3, Federal Aid Project 360-C. $108,000. M. B. Hodges, Uvalde, engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading and vertical fibre brick surfacing 28,000 sq.yd. Tonkawa-Perry Rd. 4, Kay Co. $70,000. J. M. Page, highway engr.

Okla., Ada—Pontotoc Co. election Dec. 15, $435,000 bonds, improving various roads. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Bartlesville — Plans grading and concrete surfacing 9,650 sq.yd. 5th and Mill Sts. $31,000. E. D. Kirkpatrick, Bartlesville, engr.

Okla., Oklahoma City—City Clerk takes bids about Nov. 24, 7 in. concrete surfacing 2,400 sq.yd. Bway., $30,000; 6 in. concrete surfacing 1,400 sq.yd. 18th St. $7,000, and 2 in. asphalt on 5 in. concrete surfacing 2,200 sq.yd. Lake St., $15,000. B. M. Hart, City Hall, engr. Noted Oct. 22.

Okla., Shidler—Making preliminary plans vertical fibre brick surfacing 9,100 sq.yd. Cosden Ave. $45,000. H. L. Jackson, Shidler, engr.

Ore., Burns—Harney Co. election Nov. 28, $200,000 bonds, improving roads.

California—State Hy. Comn., Sacramento, plans reconstructing 5 mi. highway north of Santa Rosa, and widening 12 mi. Redwood Highway from Denman Flats to Santa Rosa, both in Santa Rosa Co.; also grading 2.4 mi. highway between Richardson Creek and Klamath River Bridge, Del Norte Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

California—State Hy. Comn., Sacramento, rejected bids Oct. 19, grading road between Arrowhead Blvd. and Blythe, Riverside Co. Noted Nov. 5.

California—Kern Co. (Bakersfield) and Santa Barbara Co. (Santa Barbara), made plans grading 40,000 cu.yd. Cayuma Ranch. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engrs.

Calif., Berkeley—Plans paving 6 mi. portions of Spruce St., University, Sacramento and Euclid Aves. J. N. Edy, city mgr.

Calif., Larkspur—City Clerk soon takes bids curbing, guttering and concrete paving, etc., 53,439 sq.ft. Baltimore Ave., etc.

Calif., Manteca—Soon takes bids, curbing, guttering and 6 in. concrete paving, etc. 89,452 sq.ft. Yosemite Ave. between Main St. and west city limits. E. H. Jeffries, city engr.

Calif., Marysville — Yuba Co. plans replacing present approximately 9 mi. Bullard's Bar grade. $80,000.

Calif., Oroville—Butte Co. plans paving Table Mountain Highway between Oroville and Chico. $25,000. H. H. Hume, Oroville, co. engr.

Calif., San Diego — Common Council plans improving K St. from 16th to 32nd Sts., 372,591 sq.ft. 1½ in. asphalt on 3½ in. bituminous paving, 601 sq.ft. sidewalk, 325 ft. curbing, etc. F. A. Rhodes, city engr.

Calif., Stockton—San Joaquin Co. made plans improving 1.77 mi. Alpine and Curry Aves., 3,000 cu.yd. grading, 2,550 tons crushed rock, 600 tons pea gravel and 60 bbl. asphaltic oil. F. E. Quail, Stockton, co. surv.

BIDS DESIRED

N. Y., Brooklyn — Nov. 25, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading, curbing and flagging, 19th Ave., East 7th, East 8th, East 28th and 81st Sts.; permanent asphalt on 6 in. concrete paving East 7th and 81st Sts., Flatbush and 19th Aves.; recurbing and permanent asphalt on 6 in. concrete paving 15th Ave., etc.

N. Y., Buffalo — Nov. 20, by Commissioner Pub. Wks., repaving Lancaster Ave., West Ferry St., etc. To exceed $25,000. E. P. Babcock, Municipal Bldg., engr.

N. Y., Long Island City—Nov. 20, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, etc., Broadway, [illegible] Ave., Bleeker, 40th and 101st Sts.; paving 40th St.; grading, curbing and flagging Grove and 99th Sts.; grading and curbing 126th, 91st, Lake and 130th Sts.; sidewalks on 5th St.; recurbing Prospect Ave.; also constructing beach from Beach 25th to Beach 2nd Sts.

N. Y., New York—Nov. 24, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing, etc., Lake View Pl.; grading, etc., Grand View Pl.; and granite block repaving East 161st St.

N. Y., St. George — Nov. 23, by J. A. Lynch, pres. Richmond Boro, Boro Hall, napped granite block repaving Jersey St. from Richmond Terrace to Cleveland St.; concrete sidewalks (both sides) Forest Ave. from Jewett Ave. to Palmers Run.

N. Y., St. George — Nov. 24, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Vanderbilt Ave. from Bay to Van Duzer Sts.

N. C., Elizabeth City—Dec. 1, by Pasquotank Hy. Comn., hardsurfacing 4 mi. Salem and Easlip Roadways. J. R. Ford, Box 232, engr.; adv. E. N.-R. Nov. 19.

South Carolina—Nov. 24, by State Hy. Dept., Columbia, **(S. R. means State Route, S. P. means State Project, and F. A. P. means Federal Aid Project)**, grading, bridging and sand clay surfacing 9.1 mi. S. R. 36, S. P. S-587-D, Hampton Co., and 13.9 mi. S. R. 36, S. P. S-587-A, Bamberg Co., A. T. Brown, Orangeburg, engr., 0.931 mi. S. R. 23, S. P. S-608, and 4.04 mi. S. R. 23, S. P. S-580, also 7.7 mi. S. R. 3, F. A. P. 171-A, all foregoing in Marion Co., H. G. Jones, Florence, engr.; sand clay surfacing, etc., 14.1 mi. S. R. 24, S. P. S-545, Lexington Co., rock asphalt and sheet asphalt surfacing Yauhannah Ferry Bridge on S. R. 40, F. A. P. 241, Georgetown-Horry Counties, State Hy. Engineer, 1708 Sumter St., Columbia, engr.; plain concrete or asphalic concrete paving 0.677 mi. S. R. 10, F. A. P. 170, and 6.2 mi. S. R. 2, S. P. 29-A, Laurens Co., E. D. Sloan, Courthouse, Greenville, engr.

Florida—Dec. 10, by State Hy. Dept., Tallahassee, plain and rein.-con., bituminous macadam, sheet asphalt or asphaltic concrete paving 6.3 mi. Road 7, Federal Aid Project 51, Escambia Co. J. L. Cresap, highway engr.; adv. E. N.-R. Nov. 19.

Tennessee—Dec. 11, by State Dept., Highways & Pub. Wks., Nashville, grading, bridging, grade separation and paving roads in various counties. C. N. Bass, assistant comr.; adv. E. N.-R. Nov. 19.

Kentucky—Dec. 10, by State Hy. Dept., Frankfort, waterbound macadam, waterbound macadam on sandstone, or bituminous macadam on sandstone surfacing 2 mi. Barboursville-Williamsburg Rd., 14 ft., State Aid Project 22-A, Knox Co. E. N. Todd, highway engr.

Michigan—Nov. 30, by State Hy. Dept., at office Comrs, Sanilac Co., Sandusky, improving 10.829 mi. Trunk Line Road 38-6, incl. grading and graveling Sects. A and C, and concrete paving Sect. B. G. C. Dillman, Lansing, highway engr.

Mich., Detroit—Nov. 26, by Dept. Pub. Wks., berea, medina or concrete curbing, and 3½ in. sheet asphalt on 8 in. concrete paving 2,020 sq.yd. Burlingame Ave. from Livernois to Monica Aves., 1,400 sq.yd. Brush St. from Six Mile Rd. to Nevada Ave., 2,330 sq.yd. Charleston Ave. from Penrose to Annin Aves., and 6,470 sq.ft. Quincy Ave. from Keeler to Puritan Aves., all above 28 ft.; 3,750 sq.yd. Lenox Ave. from Canfield to Warren Aves.; 8,780 sq.yd. Kendall Ave. from Wildemere to Livernois Sts., 2,370 sq.yd. Birwood Ave. from Oakman Highway to Bonaparte Ave., all above 30 ft.; and 8,800 sq.yd. Mendota Ave. from Tireman to Bonaparte Aves., 30 and 36 ft. P. A. Fellows, City Hall, engr.

Kan., Stockton—Dec. 3, by Clerk Rooks Co., improving 1.563 mi. Federal Aid Project 252-B, 21,488 cu.yd. excav., 18,000 cu. yd. borrow, 4,830 lb. reinforcing, etc., also bridge to have six 40 ft. deck girder and one 140 ft. steel truss spans, 94,216 lb. reinforcing, 147,478 lb. structural steel, etc. J. A. Bodine, Court House, engr.

North Dakota—Dec. 4, by State Hy. Dept. and Comrs. Ward Co., at Court House, Minot, improving 11.932 mi. Ward-McLean Rd., Federal Aid Project 273 A and B, Ward Co., 62,942 cu.yd. earth and 1,300 cu. yd. rock excav., 323 cu.yd. overhaul, etc.

North Dakota — Dec. 5, by State Hy. Dept. and Comrs. McLean Co., at Courthouse, Washburn, improving 7.08 mi. Federal Aid Project 272-A, McLean Co., 44,112 cu.yd. earth and 825 cu.yd. rock excav., 2,200 cu.yd. sta. overhaul, etc.

Mo., St. Louis — Southern Wheel Co., Commonwealth Bldg., Pittsburgh, Pa., taking bids approximately 32,000 cu.yd.

Streets and Roads (Continued)

grading at plant, here. Pitzman Eng. & Survey Co., 615 Chestnut St., engrs.

Arkansas—Nov. 30, by State Hy. Dept., Little Rock, improving 21.18 mi. McGehee-Watson Rd., Federal Aid Project 189-A, 98.7 acres clearing, 54.08 acres grubbing, 158,019 cu.yd. excav., 9,037 cu.yd. borrow, 10,315 sta.yd. overhaul, 38,661 cu.yd. gravel surface course, 10,145 cu.yd. gravel 1 mi. additional haul, etc. R. C. Limerick, highway engr. Noted Nov. 12.

Ark., Hot Springs — Nov. 21, by City Comrs., at office G. C. Smith, city engr., grading, curbing, sewers and paving 37,758 sq.yd. various streets. Smith & Annen, Hot Springs, engrs. Noted Oct. 8.

Ark., Little Rock — Nov. 23, by C. T. Ryan, secy. Arkansas-Missouri Highway Dist. in Pulaski Co., at office W. E. Ford, engr., 214 Gazette Bldg., improving above district, Contr. 1, 9,200 sq.yd. block removal, 1,240 tons extra asphalt binder, 8,310 sq.yd. asphalt and 900 sq.yd. 6 in. concrete paving; Contr. 2, 120 cu.yd. old paving removed, 150 sq.yd. 6 in. concrete paving, 700 ft. expansion joints; Contr. 3, 6,800 cu.yd. earth, 2,900 cu.yd. loose rock and 1,400 cu.yd. solid rock excav., 19,100 ft. monolithic curbing, 25,500 sq.yd. 6 in. concrete paving, 9,530 ft. center joints, 19,000 lb. reinforcing, 19,000 ft. expansion joint, etc.

Ark., Texarkana — See "Contracts Awarded."

Tex., Angleton — Dec. 16, by H. W. Munson, engr., Angleton, crushed stone and 1 in. bituminous topping 61,866 sq.yd. Federal Aid Project 367-A, for Brazoria Co. $90,000.

Tex., Crockett—Dec. 11, by L. L. Moore, judge Houston Co., clearing, grubbing, bridging and grading, 6.75 mi. State Highway 19, Federal Aid Project 485-C, 24 ft., incl. 32,326 lb. reinforcing. $31,300. F. J. Von Zuben, Crockett, engr.

Tex., Donna—Dec. 7, by City Comn., rock asphalt or warrenite bitulithic paving, etc., 75,000 sq.yd. various business streets. $175,000. Address J. E. Wier, city secy.

Tex., La Grange—Dec. 4, by R. E. Schiller, engr., La Grange, grading and bridging 8.46 mi. highway from Road Dist. 2-5 to Colorado Co. line, Federal Aid Project 417-B, for Fayette Co. $70,000. Noted Oct. 1.

Tex., Palacios—Taking bids constructing 3½ mi. shell road on grounds of 36th Texas Natl. Guard, 18-30 ft. $28,000. Address State Highway Dept., Austin.

Tex., Waco—Dec. 1, by E. E. McAdams, city mgr., widening and paving 2 blocks 7th and 11th Sts. $30,000. G. V. Koch, city engr. Noted Aug. 27.

Idaho — Nov. 24, by Commissioner Pub. Wks., Boise, improving 7.68 mi. North and South Highway, Federal Aid Projects 9-E and F, Idaho Co., 21 acres clearing and grubbing, 89,729 cu.yd. unclassified excav., 35,485 sta.yd. overhaul, etc. P. E. Oxley, 202 Pioneer Bldg., Lewiston, dist. engr.

Idaho — Dec. 4, by Commissioner Pub. Wks., at Hotel Idaho, Coeur d'Alene, improving 3.079 mi. Coeur d'Alene-Yellowstone Trail, Federal Aid Projects 47 and 93-A, Kootenai Co., 9,168 lb. reinforcing, 33,231 sq.yd. subgrading, 33,231 sq.yd. concrete paving and 2,947 cu.yd. crushed rock or gravel shoulders. P. E. Oxley, 202 Pioneer Bldg., Lewiston, dist. engr.

Washington—Dec. 1, by State Hy. Dept., Olympia, clearing and grading, etc. 7.1 mi. State Rd. 12, Wahkiakum and Pacific Counties, also 8 mi. State Rd. 9, Thurston and Grays Harbor Counties; and crushed rock or gravel surfacing 7.3 mi. State Rd. 10, Douglas Co. J. W. Hoover, highway engr.

California—Nov. 30, by State Hy. Dept., Sacramento, macadam paving 15 mi. road between Castaic and point 3 mi. north of Natl. Forest Inn, Los Angeles Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Glendale—Dec. 3, by A. J. Van Wie, city clk., curbing, guttering sidewalks and 6 in. concrete paving Grand View Ave., etc. To exceed $250,000. J. F. Johannsen, city engr.

Calif., Inglewood — City Trustees, taking bids grading, curbing, guttering, sidewalks and 5 in. on 4 in. Willite paving 143,450 sq.ft. Exton Ave., Plymouth St., etc. W. Peffer, city engr.

Calif., Los Angeles—Nov. 23, by Supervs. Los Angeles Co., grading and concrete paving 154,338 sq.ft. Wilmington and Los Angeles Rd. (Rd. Dist. Impvt. 293), to exceed $35,000; grading, curbing, guttering, and concrete paving 189,695 sq.ft. portion Canal St. (Co. Impvt. 402) to exceed $45,000; grading, shoulders, and concrete on disintegrated granite paving 315,708 sq.ft. Olive Ave. between Main and Compton City limits (Rd. Dist. Impvt. 275), to exceed $80,000. G. Jones, Hall of Records, co. engr.

Calif., San Jacinto—F. M. Sallee, city clk., taking bids grading, macadam and asphalt, macadam or concrete paving 32,740 sq.ft. Hots Springs Rd. G. E. Gray, city engr.

BIDS RECEIVED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Nov. 12, grading and asphalt block paving 103rd St., from Regan Towers Co., 124 West 121st St., $18,770. Noted Nov. 5.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Nov. 16, bituminous concrete repaving Bay St., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $25,789; granite block repaving Van Duzer St., from J. Meehan, 90 West St., New York City. $42,873. Noted Nov. 5.

South Carolina—State Hy. Comn., Columbia, grading and sand clay surfacing 16,597 cu.yd. State Route 40, Federal Aid Project 267-A, Georgetown Co., from J. F. Blankenship, Greenwood, $38,398, two treated timber bridges on same road, from E. K. Turner, Florence, $3,488; grading 13.1 mi. State Route 33, State Project 597, Jasper Co., from H. M. Taylor, Ridgeland, $36,343, two treated timber bridges totaling twelve 14 ft. spans on same road, from Story Constr. Co., Augusta, Ga., $6,849; grading and sand clay surfacing 40,495 cu. yd. State Route 63, State Project S-556, Colleton Co., from J. T. Blassingame, 120 River St., Greenville, $61,968, also two treated timber bridges totaling six 15 ft. spans on same road, from Palmer Constr. Co., Florence, $5,840; plain concrete surfacing 0.284 mi. State Route 6, State Project S-598, 0.293 mi. county road and intersecting with Project S-598, from Pritchard-Raines-Hazelhurst Constr. Co., Savings Bank & Trust Co. Bldg., Savannah, Ga., $7,716 and $8,335 respectively; grading and top soiling 6,830 cu.yd. State Route 7, Federal Aid Project 235-B, Union Co., from Costello Bros., Henson Bldg., Knoxville, Tenn., $20,904. Noted Oct. 29.

Louisiana — State Hy. Comn., Baton Rouge, Nov. 3, grading and graveling 6.6 mi. State Project 153 A, and 2.31 mi. State Project 153 D, both LaSalle Parish, from McKlithen Constr. Co., Grayson, $52,308 and $17,645 respectively; also graveling 5.38 mi. State Project 486, Iberia Parish, from A. M. Wilks, Alexandria, $24,011. Noted Oct. 15.

Michigan — State Hy. Dept. at office Comrs. Roscommon Co., Roscommon, Oct. 29 graveling 11.967 mi. Federal Aid Road 134A, from T. H. DuVall, Prudinville, $173,744. Noted Oct. 22.

Michigan — State Hy. Comn., at office Comrs. Oscoda Co., Hersey, graveling 2.658 mi. Trunk Line Rd. 97-1 B, 16 ft., from Hansen, Evart, $34,711.

Missouri — State Hy. Dept., Jefferson City, Oct. 30, from Mitchell Constr. Co., Marron, Ill., grading 2.51 mi. roads from Hough north and south, Mississippi Co. $8,691; from F. Kersting Co., Jefferson City, 30 ft. grading 0.321 mi. Licking-Salem Rd., Dent Co., $6,368, from Bryant-Rollins Road Co., Waynesville, 1.72 mi. road from Lebanon east and west, Laclede Co. $10,058, from Wilson Constr. Co., Warrensburg, 0.152 mi. South Van Buren Rd., Carter Co., $9,395, from Burnham & Son, St. Louis, 7.794 mi. Waynesville-Bloodland Rd., Pulaski Co., $25,918, from McCann Bros. & Hoffman, Grand Tower, Ill., 3.763 mi. Poplar Bluff-Dekins Rd., Butler Co., $12,976, and 0.717 mi. road from Dudley east, Stoddard Co. $3,413, from Summerfield Jones Co., Billings, 9.226 mi. Poplar Bluff-Dekins Rd., Butler Co. $40,841, from A. A. Davis & Co., Kansas City, 4.034 mi. same road $20,889, from C. P. O'Reilly & Co., St. Louis, 0.34 mi. Poplar Bluff-Dekins Rd., Butler Co. $2,745, 4.509 mi. road from Caledonia north and south $22,146, 10.121 mi. Caledonia-Potosi Rd. $82,513, both Washington Co., and 18 ft. gravel surfacing 5.895 mi. Wayland-Lewis Co. line Rd., Clark Co. $69,887; from Richmond Constr. Co., Advance, 16 ft. gravel surfacing 2.976 mi. road from Holcomb west $28,201, and 3.998 mi. Udora-St. Francois River Rd. $44,819, both in Dunklin Co.; from Independent Constr. Co., Pittsburg, Kan., grading 1.054 mi. road from Nevada north, Vernon Co. $10,360, and 18 ft. gravel surfacing 1.054 mi. same road $25,837; from Pioneer Constr. Co., Kansas City, 30 ft. grading 0.68 mi. Centerville-Lesterville Rd., Reynolds Co. $5 299, 18 ft. gravel surfacing 1.576 mi. Eldorado Springs-Stockton Rd., Cedar Co. $7,752, and 12 ft. chats surfacing 3.594 mi. same road $37,016; from Chaney & Amyx, Licking, 18 ft. gravel surfacing 4.606 mi. Houston-Raymondville Rd., Texas Co. $40,832, from J. P. Sparks, Kirkwood, 2.134 mi. road from Iron Co. line, south Iron Co. $10,998, from H. A. Worman, Pittsfield, Ill., 1.667 mi. road from Iron Co. east, Madison Co. $17,288, from Nichols & Cossota, Oklahoma City, Okla., 0.452 mi. Glasgow-Fayette Rd., Howard Co. $10,255, from F. T. O'Dell, Hannibal, 0.245 mi. Wayland-Lewis Co. line Rd., Clark Co. $2,068, from Pittsburgh Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., 0.709 mi. road from Troy north, Lincoln Co. $9,194, from J. A. Simmons, La Plata, 2.379 mi. Glenwood-Lancaster Rd., Schuyler Co. $13,557, from J. H. Stephens, Mansfield, 4.178 mi. road from Licking north, Texas Co. $17,644, from Lahar Bros., Holden, 4.525 mi. Anderson-Elk Springs Rd., McDonald Co. $10,838, and 3.349 mi. road from Noel south, McDonald Co. $7,413; from Kelly & Underwood, Granby, 18 ft. gravel surfacing 2.178 mi. road from Monett south, Barry Co. $11,104, 3.159 mi. Anderson-Neosha Rd., McDonald Co. $12,539, and 12 ft. chats surfacing 2.857 mi. road from Greenfield north, Dade Co. $23,324; from K. L. Williams, Charleston, grading 2.542 mi. road from Hough north, $4,360, and 9 ft. concrete paving 2.542 mi. same road $21,478, and from Clague & Strohl, Bowling Green, O., 9 ft. concrete paving 2.519 mi. road from Hough north and south, $20,422, all foregoing in Mississippi Co. Noted Oct. 22.

Texas — F. V. Lanham, chn. State Hy. Comn., Austin, Nov. 7, curbing and paving 65,356 sq.yd. State Highway 2, Austin-Georgetown Rd., Federal Aid Project 409, from Southwest Bitulithic Co., 204 Gunter Bldg., San Antonio, 2 in. Modified Topeka $141,875, 2 in. bitulithic $141,875, and rein.-con., etc., $144,716; from C. C. Moore, Temple, 2 in. limestone rock asphalt $153,404; from Fuller Constr. Co., 409 Southwestern Life Bldg., Dallas, 2 in. amiesite $166,985. Noted Oct. 29.

Tex., Kaufman—Kaufman Co., 7 in. concrete paving 10.79 mi. State Highway 40, Federal Aid Project 136, Unit 2, incl. surfacing bridges with either 2 in. amiesite, limestone rock, asphalt or bitulithic concrete, from Smith Bros., Amer. Natl. Exch. Bank Bldg., Dallas, $157,154. Engrs. est. $152,000. Noted Aug. 20.

Tex., Georgetown—Williamson Co., grading, bridging and gravel surfacing 10.36 mi. State Highway 95, State Aid Project 633, 16 ft., 52, 850 lb. reinforcing, etc., from Brown & Root, Georgetown, $115,793. Noted Oct. 22.

Colo., Denver—Curbing, grading and surfacing South Denver Impvt. Dist. 22, from James Lawrence Constr. Co., 1041 Galapago St., $110,099. Engrs. est. $140,000.

Calif., Los Angeles—City, (*e. e. means engrs. est.*) from J. Farquhar, Box 454, Lankershim, improving Ivarene St., 2,616 cu.yd. excav. $2,300, 721 lin.ft. curbing $0.50 per sq.ft., 73,629 sq.ft. concrete paving $0.20, etc., total $26,647, e. e. $37,461; from W. Liddington, 420 East 60th St., Childs Ave. from Scotland to Sunset Blvd., 9,602 cu.yd. excav. $7,400, 39,686 sq.ft. sidewalk at $0.14 per sq.ft., 358 sq.ft. guttering $0.20, 10,433 lin.ft. curbing $0.45, and 238,478 ft. 7 in. concrete paving at $0.196, etc., total $83,701, e. e. $94,625.

Calif., Redondo Beach—From H. E. Cox, Slavin Bldg., Pasadena, improving Hellman Ave., 105,000 sq.ft. 6 in. concrete paving at $0.02 per sq.ft., 5,012 lin.ft. curbing $0.18, 12,170 sq.ft. sidewalk $0.55, etc., total approximately $31,650.

Calif., Riverside—Riverside Co., improving portion Foothill Rd., 26,000 lin.ft. shaping and 475,200 sq.ft. 5 in. macadam paving, from Pierson & Dickerson, P. O. 325, Riverside, approximately $75,385; also grading and culverts on above will be done by day labor under supervision County Engineer, $20,000. Noted Oct. 29.

CONTRACTS AWARDED

New Hampshire—State Hy. Dept., Concord, gravel surfacing 1.62 mi. highway in Antrim, to Long, Cross & Burham, Greenfield, Mass., $28,899; also 0.72 mi. highway in Manchester, to C. Bianchi & Co., Framingham, Mass., $15,386. Noted Nov. 12.

New York—Bronx River Parkway Comn., 72 West Pondfield Rd., Bronxville, paving Bronx River Parkway Dr., south of Valhalla to Kensico Dam Plaza, Contr. 78, to Hastings Pavement Co., 25 Broad St., New York City. Noted Oct. 8.

N. Y., Bronxville—Westchester Co. Park Comn., 72 West Pondfield Rd., grading, etc., Silver Lake Parkway Dr. from Westchester Ave. (city line of White Plains), to Hancock St., to Yonkers Contg. Co., 922 Nepperhan Ave., Yonkers, $48,245. Noted Oct. 22.

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, to G. M. Mandatto, 129 26th St., grading, curbing and flagging Bay 50th St. $9,857, 21st St. $2,450, 67th St. $2,750, 74th St. $2,953, to Grimm Contg. Co., 170 McKinley St., Empire Blvd. $679, 72nd St. $4,033; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Brooklyn Ave. $12,652, Cortelyou Rd.

Streets and Roads (Continued)

$5,046, to Sicilian Asphalt Co., 41 Park Row, New York City, North 15th St. $2,326, to Cranford Co., 52 9th St., 21st Ave. $8,278, 67th St. $6,903, and 74th St. $6,475, to M. J. O'Hara, 1228 Park Ave., New York City, 77th St. $2,552; to F. C. Kohart, grading Essex St., $8,024; and to Uvalde Asphalt Co., 1 Bway., New York City, curbing, flagging and paving 16th Ave., $3,757. Grand total $78,056. Noted Nov. 5.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, grading, curbing, sidewalks and sheet asphalt surfacing Barclay St. $21,527, and laying sidewalks and paving Mymand Pl. $22,358; to Highway Impvt. & Repair Co., 50 Church St., New York City, grading, curbing, sidewalks and sheet asphalt surfacing Fosdick St. $16,273, sheet asphalt paving Harold Ave. $15,116, Haaspel St. $31,280, 104th St. $26,833, and 114th St. $15,645, to H. E. Kordes Co., 2577 Cooper St., Brooklyn, grading Harkow St. $724, and sidewalks, etc., on Hughes St. $2,113; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, grading, curbing, sidewalks and sheet asphalt paving Slocom St. $5,943, to Uvalde Asphalt Paving Co., 1 Bway., New York City, 130th St. $15,460, to Kennedy & Smith, 93 Amity St., Flushing, Haspel Ave. $11,926; to O'Brien & Kurth, 8625 13th St., Jamaica, grading, curbing, sidewalks, etc., on 114th St., $9,837, and 104th St. $16,452; to W. H. Gahagan Realty Co., 147 Remsen St., Brooklyn, constructing public beach along ocean front $110,404. Grand total $250,058. Noted Oct. 29.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading Hemlock Pl., to H. E. Kordes, 2577 Cooper St., Brooklyn, $3,143; grading gutter space, sidewalks, etc., on Caspian St., and grading, curbing and sidewalks on Procter St., to Peace Bros., 460 Lockwood Ave., $2,497 and $3,450 respectively; recurbing, reflagging and sheet asphalt on concrete paving Stryker Ave., and sheet asphalt on concrete paving Queens Blvd., to W. P. McDonald Constr. Co., Lawrence St., Brooklyn, $42,660 and $150,120 respectively. Grand total $199,041. Noted Nov. 12.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Amboy Rd. to J. E. Donovan Paving Co., 2205 Richmond Terrace, Port Richmond, $15,873; curbing and resetting curbing on both sides Forest Ave., to J. Caruselle, 148 St. Pauls Ave., Stapleton, $814; grading St. Stephens Pl. from Union Pl., to Richmond Paving Co., 48 Hylan Blvd., Rosebank, $1,688. Grand total $166,775. Noted Nov. 12.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, granite repaving Jewett Ave., etc., to Richmond Paving Co., 48 Hylan Blvd., Rosebank, $12,268. Noted Oct. 29.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving, etc., 33,085 sq. yd. R. 10, A. 3453, Great Bend Twp. Rd., Susquehanna Co., and 59,786 sq.yd. R. 241, Sect. 3, Standing Stone-Wysox Twp. Rd., Bradford Co., to Bryant & Kohl, 145 Hazel St., Wilkes Barre, $161,624 and $354,095 respectively, 63,783 sq.yd. R. 17, Sect. 7, Laporte-Cherry Twps. Dushore Boro Rd., Sullivan Co., to United Constr. Co., Lock Haven, $337,949. Grand total $853,668. Noted Nov. 12.

Ga., Cartersville — Asphalt on concrete surfacing 24,137 sq.yd. various streets, to S. E. Findley, 212 West North Ave., approximately $75,000. Noted Oct. 22.

Fla., Ocoee — Paving 35,944 yd. various streets, to J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., approximately $94,000.

Miss., Gulfport — Bd. Supervs. Harrison Co., Warrenite paving 8 mi. Magnolia Route, to Southern Paving Co., Volunteer Life Bldg., Chattanooga, Tenn., $147,729. Owner will gravel surface base, making total cost $300,000. Noted Oct. 8.

Tenn., McMinnville—Crushed stone surfacing various streets, to Boyd Williams Constr. Co., Murfreesboro, approximately $60,000. Noted Aug. 27.

O., East Cleveland (Cleveland P. O.)—Paving Euclid Ave., to Highway Constr. Co., Guarantee Title Bldg., $72,372. Noted Nov. 12.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, J. J. Sloan, pres., grading, curbing, guttering and asphaltic concrete on 6 in. concrete surfacing Anthony Ave. from Blackstone Ave. to East 80th St., and grading, curbing, guttering and asphalt on 6 in. concrete surfacing Arthington St. from South Keeler to South Kildare Aves., to Amer. Asphalt Paving Co., 133 West Washington St., North Hermitage Ave. from Bryn Mawr Ave. to Cemetery Companys Private Rd., to White Paving Co., 130 North Wells St., North Leavitt St. from Foster to Summerdale Aves., to Contracting & Material Co., 844 Rush St., North Seeley Ave. from Howard St. to Home Ave., to J. V. McCarthy Co., 1126 Granvel Ave., West 36th St. from Normal Ave. to South Morgan St., to R. F. Conway, 844 Rush St.; also grading, curbing, guttering and 8 in. concrete surfacing South Bishop St., to Central Paving Co., 179 West Washington St. Noted Oct. 8.

Ill., Summit — Village Clerk, to W. T. Ryan, La Grange, improving 11,300 sq.yd. various streets, grading, curbing and one course Portland cement paving, consisting of 1 part Portland cement, 2 fine and 3½ parts coarse aggregate, complete in place, incl. steel reinforcement, not less than 40 lb. per sq.ft., expansion joints with bituminous filler, protecting and curing finished paving and removing all protective and other material after construction at $2.90 per sq.yd., combined curb and gutter, $1.10 per ft., excav. $1.10 per cu.yd., catch basins $95 each. Noted Oct. 29.

Kan., Independence—J. H. Krienhogan, city clk., paving various streets, to A. G. Sherwood, Independence, $28,026.

Kan., Leavenworth—For 2 in. asphaltic concrete resurfacing 35,000 sq.yd. Spruce St., to J. P. Collins Constr. Co., 403 North 5th St., at $1.78 per sq.yd.

Kan., Yates Center—For 7 in. rein.-con. paving 14,081 sq.yd. various streets, to Taylor & Allison, Chanute, approximately $36,000.

Nebraska—State Hy. Dept., Lincoln, improving highway between Grand Island, Hall Co. and Ravenna, Buffalo Co., grading, to J. W. Wacher, Omaha, $11,703; gravel surfacing, to Central Constr. Co., Central City, $18,292; corrugated pipe culverts, to Allied Contractors, 1803 Douglas St., Omaha, $7,922; guard rail, to Metz Constr. Co., Springfield, $1,960; and one steel bridge, to Diamond Eng. Co., Grand Island, $789. Grand total $40,666.

Nebraska—Dept. Pub. Wks., State House, Lincoln, gravel surfacing 13.3 mi. State Aid Project 105, Dawson Co., to Reel & Kennedy, Dalton, $14,714, grading same, to Dawson Co., $2,357; gravel surfacing 13.9 mi. Project 7-B, Clay Co., to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha $21,254, 8.9 mi. Project 55-B, Saline Co., to Koehler Lumber & Coal Co., Sterling, $16,487. Grand total $54,812.

N. D., Minot — A. G. Torgerson, aud. Ward Co., grading 8.615 mi. Federal Aid Project 227, to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $26,073; and 7.844 mi. Federal Aid Project 270, to Kemper & Huston, Minot, $29,458.

Ia., Davenport—Scott Co., grading 8.427 mi. road north of Le Claire, to Jenner Bros., Davenport, $50,025; paving same road and grading and paving 1.436 mi. road north of Davenport, to Central Eng. Co., 809 Putnam Bldg., $210,441 and $48,067 respectively; rein.-con. and steel bridges and culverts, to W. D. Phelan & Co., Davenpor, $16,331. Grand total $324,864.

Ark., Texarkana—City will grade, curb, and pave with concrete and asphalt 75,000 sq.yd. various streets, by day labor, under supervision. O. Yenglin, city engr. $200,000.

Tex., Anderson—Grimes Co., grading and bridging 6.15 mi. State Highway 6, Federal Aid Project 471-C, 26 ft., to J. F. Buckner, Box 167, Anderson, $70,163. Engrs. est. $102,750.

Tex., Boston—Bowie Co. grading, bridging and gravel surfacing 11,666 cu.yd. State Highway 5, Federal Aid Project 480-B, to G. G. and C. W. Burgess, 627 Kirby Bldg., Dallas, $19,632. Engrs. est. $46,000.

Calif., Inglewood — Grading, curbing, guttering, sidewalks, and 6 in. concrete paving 125,175 ft. Arbor Vitae St., to Pacific Constr. Co., Black Bldg., Los Angeles, $35,370. Noted Nov. 5.

Calif., Oakland — To Heafey-Moore-McNair, 344 High St., improving Bay Farm Island Rd., 9,044 cu.yd. fill at $1.34 per cu.yd., and 123,323 sq.ft. oil macadam paving at $0.105. Noted Oct. 29.

Calif., Redwood City—Grading, curbing, and 5 in. vibrolithic concrete paving 164,549 sq.ft. King and Myrtle Sts., etc., to Hanrahan Co., Standard Oil Bldg., San Francisco, $58,405. Noted Nov. 5.

Calif., Riverside—See "Bids Received."

Calif., San Diego—Grading, curbing, sidewalk and 1½ in. on 4 in. paving 144,325 sq. ft. Lewis St., Hillcrest Dr., etc., to G. R. Daley, 4430 Boundary St., $40,275. Noted Nov. 12.

Calif., San Francisco — Paving Vicente St. between 14th and 19th Aves., to F. J. McHugh, 474 17th Ave., $39,825.

Calif., Stockton — Grading, curbing, guttering, sidewalks, and 3 in. asphalt concrete on 3 in crushed rock paving Stadium Dr., to J. E. Johnston, Stockton Savings & Loan Bank Bldg., $33,327.

Buildings—Industrial

PROPOSED WORK

Mass., Hudson—FACTORY—Firestone, Apsley Rubber Co., H. S. Firestone, pres., plans 5 story rubber footwear factory, brick and steel. $500,000. Engineer and architect not selected.

Conn., Derby — SHOP — Derby Gas & Electric Co., 22 Elizabeth St., having plans prepared by R. W. Foote, 185 Church St., New Haven, 3 story and basement, 41 x [illegible] ft., brick and steel, Housatonic Ave. $50,000.

Conn., Southington — HARDWARE FACTORY—Peck, Stow & Wilcox Co., Railroad Sq., had plans prepared 2 story, 57 x 180 ft., brick and steel addition. $60,000. Private plans.

N. Y., Buffalo—ROLL SHOP, etc.—Donner Steel Co., 375 Abbott Rd., had plans prepared roll and finshing department shops, rein.-con., brick and steel. $60,000. Noted Apr. 9.

Pa., Economy (Ambridge P. O.)—STORAGE—Standard Seamless Tube Co., having plans prepared 1 story, 75 x 600 ft., brick and steel storage plant. 50,000. Private plans.

Mich., Pontiac—ROUNDHOUSE and MACHINE SHOP—Grand Trunk Railway Co., subsidiary Canadian Natl. Rys., 230 St. James St., Montreal, Que., plans 1 story, 115 x 600 ft., rein.-con., brick and steel, plain foundation, Willow Ave., here. $1,400,000. C. B. Brown, Montreal, Que., ch. engr.

Ind., Michigan City — GENERATING STATION—Calumet Gas & Electric Co., c/o Midland Utilities Co., 122 South Michigan Ave., Chicago, Ill., having plans prepared by Marshall & Fox, 431 North Michigan Ave., Chicago, Ill., 1 and 2 story, 150 x 400 ft., brick and steel, generating station, 60,000 kw. or 80,000 hp. capacity, here. $6,500,000. Sargent & Lundy, 72 West Adams St., Chicago, Ill., engrs.

Mo., St. Louis—CAR WHEEL PLANT—Southern Wheel Co., Keystone Blk., Pittsburgh, Pa., soon takes bids group factory buildings, Goodfellow Ave. and Terminal Railroad belt, here. $250,000. Pitzman Eng. & Survey Co., 615 Chestnut St., engrs. Noted Oct. 8.

Calif., Long Beach—STEAM PLANT—Southern California Edison Co., American Ave., having plans prepared by Stone & Webster, Inc., 147 Milk St., Boston, Mass., addition to steam plant, here, incl. 50,000 kw. turbo-generator, and seven 1,500 hp. boilers, etc.

BIDS DESIRED

Mass., Dorchester (Boston P. O.) — CLEANSING PLANT — Eagle Cleansers & Dyers, Inc., 70 Ceylon St., taking bids 2 story, 72 x 124 ft., brick addition. $50,000. H. H. Damon, 147 Summer St., Boston, archt.

Pa., Economy (Ambridge P. O.) — MACHINE SHOP — See "Contracts Awarded."

Pa., Phila.—MANUFACTURING—H. W. Easby, engr., Schoff Bldg., taking sub-bids 2 story and basement, 78 x 140 ft., brick, plain foundation, N St. above Kensington Ave., for E. Carraine, 1620 Mifflin St. $40,000.

Pa., Pittsburgh—BAKERY—C. B. Comstock, archt., 110 West 40th St., New York City, taking bids and open same about Nov. 20, altering and constructing 2 story and basement, 95 x 175 ft., brick, steel and hollow tile addition, 30th St., here, for Ward Baking Co., East 143rd St., New York City. $150,000.

W. Va., Parkersburg—PLANT—Nov. 29, by Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 1, 2 and 3 story, rein.-con., brick and steel manufacturing plant, plain foundation, on Little Kanawha River, near here, for Viscose Co., Marcus Hook, Pa. $2,000,000. Noted Nov. 12.

O., Cleveland — FACTORY and WAREHOUSE—Vitrolite Co., C. A. Myers, pres., 2907 Detroit Ave., taking new bids 2 story and basement, 44 x 147 ft., brick and steel, 2909 Detroit Ave. $60,000. Former bids rejected. A. B. Sylvanus & Co., 6014 Euclid Ave., archts. Noted Sept. 3.

O., Cleveland — FOUNDRY and MACHINE SHOP — Morgan Brass Co., L. Stern, mgr., 2104 Woodland Ave., taking bids 1 story, 100 x 200 ft., and 24 x 100 ft. brick and steel, 2104 Woodstock Ave. $60,000. Private plans.

Wis., Neillsville — CANNING FACTORY —See "Contracts Awarded."

Wis., Milwaukee—PACKING PLANT—See "Contracts Awarded."

Wis., Racine—MANUFACTURING—See "Contracts Awarded."

Mo., Joplin—SASH and DOOR FACTORY —See "Contracts Awarded."

Mo., Springfield — STEEL FOUNDRY — See "Contracts Awarded."

Buildings—Industrial (Continued)

Tex., Corpus Christi—ICE PLANT—Texas Central Power Co., c/o Frost Bank Bldg., San Antonio, taking bids 34 x 100 ft., rein.-con., brick and steel, 50 ton capacity, here. $110,000. Private plans.

Okla., Blackwell—LAUNDRY—See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Fall River — GARAGE and REPAIR SHOP — Fall River Gas Works Co., 393 Madison Ave., 1 story, 55 x 119 ft., rein.-con. and brick, to Beattie & Cornel, 33 North Quarry St. Archts. est. $40,000.

Mass., Lowell — REPAIR and SUPPLY SHOP — Boston Auto Supply Co., 96 Bridge St., 1 story, 46 x 200 ft., brick, Bridge St., to Runels Constr. Co., Hildreth Bldg. Archts. est. $40,000.

Mass., New Bedford — MANUFACTURING, etc. — Ted Toy-Lers, Inc., 55 South Water St., 4 story, 50 x 97 ft., brick and timber manufacturing building and store, South Water St., to W. Young, 122 Union St. Archts. est. $100,000.

Mass., South Boston (Boston P. O.) — FACTORY — Gillette Safety Razor Co., 41 West 1st St., 8 story and basement, 73 x 167 ft. blade building, West 1st St., and 8 story and basement, 75 x 152 ft. handle building, West 1st and Granite Sts., to Turner Constr. Co., 178 Tremont St., Boston. Archts. est. $450,000 and $400,000 respectively. Noted Nov. 12.

Conn., Hartford — BOILER SHOP — Whitlock Coil Pipe Co., South St., Elmwood Sect., 1 story, 120 x 165 ft., brick and steel, to Standard Erecting Co., 110 East 42nd St., New York City. Archts. est. $40,000.

Conn., Waterbury — FACTORY — Amer. Brass Co., Grand St., 3 story, 62 x 137 ft., brick and steel addition, to Tracy Bros. Co., 52 Benedict St. Archts. est. $75,000.

Conn., Waterbury — FACTORY — H. Weyand Co., 45 Brown Pl., 3 story and basement, 40 x 65 ft., brick and steel addition, to O. LaCroix Constr. Co., 95 Bank St. Archts. est. $40,000 or more.

N. J., Newark—FACTORY—F. N. Dubois Co., 5 buildings ranging from 90 x 160 ft. to 50 x 120 ft., steel and brick, here, to Austin Co., 1015 Chestnut St., Phila., Pa.

Pa., Economy (Ambridge P. O.) — MACHINE SHOP — Standard Seamless Tube Co., will build 1 story, 34 x 84 ft., brick and steel addition, by day labor. $70,000. Private plans.

Pa., Pittsburgh—CLEANING and DYEING PLANT — L. Henderson & Sons Co., 160 Henderson St., general contract 2 story and basement, 40 x 106 ft. plant, Henderson St., to Austin Co., Union Trust Bldg. Engrs. est. $50,000.

Pa., Millvale—PLANING MILL—Bennett Lumber & Mfg. Co., general contract 1 and 2 story, 52 x 130 ft., Sedgewick St., to C. G. Taber, Evergreen Ave. Archts. est. $75,000. Noted Oct. 29.

Md., Canton (mail Baltimore) — FERTILIZER PLANT — Summers Fertilizer Co., Stock Exch. Bldg., Baltimore, J. E. Totman, pres., 1 story, 200 x 200 ft., steel storage plant, here, to Austin Co., 1015 Chestnut St., Phila., Pa., $200,000.

Ga., Atlanta—CANDY MANUFACTURING PLANT — Whitehead Realty Co., 4 story, 40 x 80 ft., rein.-con., brick and tile plant, to Smith & Williams, Inc., 407 Wayne-Clayton Bldg. Archts. est. $50,000. Morris Candy Co., lessee.

Ga., Columbus—GIN PLANT—Lummus Gin Co., Macon Rd., 1 story, 130 x 220 ft., brick and steel addition, to H. K. Ferguson Co., 6300 Euclid Ave., Cleveland, O., approximately $47,000.

O., Cleveland — HEAT TREATING PLANT — White Motor Co., T. R. Dahl, secy., 842 East 79th St., 1 story, 40 x 200 ft., brick and steel East 79th St., to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $100,000.

O., Cleveland — FACTORY — F. N. Du Bois Co., Newark, N. J., five 1 story, 90 x 160 ft. and 50 x 120 ft., concrete, brick, steel and timber factory buildings, here, to Austin Co., 16112 Euclid Ave. Archts. est. $300,000.

O., Cleveland — FACTORY — T. Knight, Superior Arcade, 1 story, 132 x 163 ft., steel and timber, 1515 Fairfield Ave., to A. S. Cook, 1364 Bonnie View Ave., Lakewood. Archts. est. $50,000. Hollow Rib Co., 2729 Prospect Ave., lessee.

O., Newark—FACTORY—Pharis Tire & Rubber Co., A. R. Lindorf, pres., 765 West Main St., 2 story and basement, 80 x 105 ft., rein.-con. and brick addition, to E. H. Latham Co., 60 East Broad St., Columbus. Archts. est. $75,000. Noted Nov. 12.

O., Youngstown — STORAGE — Youngstown Ice & Fuel Co., P. B. Hunt, pres., 1421 West Federal St., 1 story, rein.-con. and brick storage building, to Natl. Concrete Fireproofing Co., Union Mortgage Bldg., Cleveland. Archts. est. $100,000. Noted Aug 27.

Ind., Indianapolis — GARAGE and WAREHOUSE, etc. — Standard Oil Co., 802 Lord St., 1 story, 82 x 86 ft. garage, and 3 story, 54 x 160 ft. warehouse, both brick, steel and rein.-con., near South Keystone St. and Cleveland, Cincinnati, Chicago and St. Louis R.R. tracks, to R. W. Bauman, 3345 Central Ave., archts. est. $40,000 and $50,000 respectively; also will build 300,000 gal. and 60,000 gal. storage tanks, by day labor. $35,000. Schlintz & Bailey, Monadock Bldg., Chicago, Ill. engrs.

Wis., Neillsville—CANNING FACTORY—Clark County Canning Co., will remodel 2 story canning factory and construct 2 story, 74 x 100 ft., brick and timber warehouse addition, plain foundation, by day labor. $50,000. Private plans.

Wis., Milwaukee—PACKING PLANT—Armour & Co., 131 Muskego Ave., L. A. Evars, supt. constr., will remodel and construct 3 story, 10 x 150 ft. and 26 x 80 ft., brick and timber addition, plain foundation, Muskego Ave., by day labor. $65,000.

Wis., Racine—MANUFACTURING—J. Sorenson & Son Co., Berryville Rd., will build 1 and 2 story, 52 x 259 ft., concrete block factory, plain foundation, by day labor. $65,000. Private plans. Noted Nov. 12.

Mo., Joplin—SASH and DOOR FACTORY—H. N. Van Fleet, Carthage, will rebuild 1 story, 100 x 200 ft. factory, recently destroyed by fire, by day labor. Private plans.

Mo., Springfield — STEEL FOUNDRY — Standard Semi-Steel Fdry. Co., Clinton, C. T. Wilkes, Clinton, genl. mgr., will build 1 story, 64 x 200 ft., concrete and steel, West Chase St., with own forces; steel work, to Truscon Steel Co., 610 Bryant Bldg., Kansas City. Archts. est. $40,000. Private plans. Noted Oct. 15.

Okla., Blackwell — LAUNDRY — Model Laundry Co. will build 50 x 140 ft. laundry, by day labor. $40,000. Private plans.

Buildings—Commercial

PROPOSED WORK

Vt., Brattleboro — HOTEL, THEATRE and STORE — E. W. Benson, Greenfield, Mass., having plans prepared by J. A. Tuck, 439 Park Sq. Bldg., Boston, Mass., 4 story and basement, 100 x 200 ft., brick and terra cotta, plain foundation. $200,000.

Mass., Cambridge (Boston P. O.)—FIRE STATION—City, E. W. Quinn, chn. Com. on Pub. Property, plans central fire station. $150,000 or more. Engineer and architect not selected.

Mass., Lowell—THEATRE—S. Katz, c/o J. A. Tuck, archt., 439 Park Sq. Bldg., Boston, having sketches made 1 story and basement, 100 x 150 ft., brick and terra cotta, Merrimack St. $150,000.

Mass., Northampton — HOTEL — Northampton Hotel, T. McGrath, treas., having preliminary plans prepared by H. L. Stevens Co., 522 5th Ave., New York City, 5 story and basement, 45 x 200 ft., rein.-con. and steel, King and Court Sts.

Mass., Sharon — HOTEL — Springers Inn, c/o A. Rosenstein, archt., 220 Devonshire St., Boston, having plans prepared 4 story and basement, brick, Massapoag Ave., here. $150,000.

Conn., Bristol — HOTEL — Hotel Perl, 159 North Main St., H. Perlstein, proprietor, had plans prepared 4 story and basement, brick and steel addition. To exceed $150,000. Private plans.

Conn., Hartford—APARTMENTS—S. I. Ward, 750 Main St., having plans prepared by Berenson & Moses, 30 Allyn St., two 3 story, 35 x 132 ft., brick and steel, Farmington Ave. $225,000.

Conn., Hartford—BUSINESS—A. Steiger, Inc., Springfield, Mass., having plans prepared by Smith & Bassette, 36 Pearl St., here, 5 story and basement, 100 x 165 x 550 ft., brick and steel, Pratt and Trumbull Sts. $750,000.

Conn., South Norwalk — THEATRE — H. Goodwin, 16 Spring St., having plans prepared by A. S. Meloy, 2965 Main St., Stratford, 1 story and basement, brick, steel and terra cotta, to exceed 1,500 seating capacity, Washington St. $200,000.

Conn., Waterbury — APARTMENT — W. H. Hurley, 25 Spencer Ave., had plans prepared by H. T. Butler, 45 Center St., 4 story and basement, 70 x 76 ft., brick, steel and limestone, Willow Hillside Ave. $150,000.

N. Y., Brooklyn—CLUBHOUSE—Y. M. H. A., 20th Ave., plans 3 story, 100 x 170 ft., brick, steel and stone, Bergen Ave. Engineer and architect not selected.

N. Y., New York—APARTMENT—D. Houlihan & Sons, c/o C. Schaefer, Jr., archt. and engr., 3rd Ave. and 148th St., having plans prepared 5 story, 125 x 190 ft., brick, steel and stone, plain foundation, 234th St. near White Plains Ave. $200,000.

N. Y., New York—APARTMENT—Ellban Realty Corp., c/o Schwartz & Gross, engrs. and archts., 347 5th Ave., plans 14 story, 102 x 150 ft., brick, steel and stone, plain foundation, Park Ave. and 80th St. $1,400,000.

N. Y., New York—APARTMENT and STORE—G. Halpern, c/o C. Kreymborg, engr. and archt., 2534 Marion Ave., plans 50 x 100 ft., brick, steel and stone, plain foundation, West 231st St. $200,000.

N. Y., New York—GARAGE—Motor Inn, Inc., R. T. Lipscombe, Jr., 1194 2nd Ave., plans 15 story, rein.-con., brick and steel, plain foundation, 39th St. near 8th Ave. $2,000,000. Engineer and architect not selected.

N. Y., New York—LOFT—Five Hundred Fifty-three 8th Ave. Corp., c/o Shampan & Shampan, archts. and engrs., 188 Montague St., Brooklyn, having plans prepared 25 story, brick, steel and stone plain foundation, 8th Ave.

N. Y., White Plains — THEATRE and OFFICE—H. & S. Sonn, Inc., plan brick, steel and stone, Main St. $2,000,000. Engineer and architect not selected. B. F. Keith-Albee Circuit, Palace Theatre Bldg., Bway., New York City, lessee.

N. J., Asbury Park — CONVENTION HALL — City having plans prepared by Warren & Wetmore, 16 East 47th St., New York City, convention hall. $1,500,000.

N. J., Atlantic City — CONVENTION HALL — Mayor and City Comrs. having plans prepared by Lockwood, Greene & Co., archts. and engrs., 24 Federal St., Boston, Mass., 350 x 650 ft., rein.-con., brick and stone, Boardwalk, Mississippi, Georgia and Pacific Aves.

Pa., Butler—AUDITORIUM, etc.—Butler Fair Grounds Assn., c/o E. A. Gibson, having plans prepared 1 story, 48 x 320 ft. auditorium incl. several rows bleachers and stables. $150,000. Private plans.

Pa., Chester — THEATRE and STORE, etc.—Soon lets contract C. S. Adams, archt., 2038 Spruce St., Phila., 4 story and basement, 140 x 150 ft., rein.-con., brick and steel, plain foundation, 3rd St. and Central Ave. $500,000. Owner's name withheld. Noted Nov. 12.

Pa., Lansdowne — APARTMENT—Myers & Shaw, archts., Bankers Trust Bldg., preparing plans 4 story and basement, 130 x 130 ft., brick and steel, plain foundation. $300,000. Owner's name withheld.

Pa., McKeesport — OFFICE — National Tube Co., Frick Bldg., Pittsburgh, having plans prepared by E. Stotz, Monongahela Bank Bldg., Pittsburgh, 2 story and basement, irregular shaped, brick and hollow tile, Jerome Ave. $500,000.

Pa., Phila.—STORE and APARTMENT—Soon lets contract L. Tonk, archt., 206 Bailey Bldg., 2 story and basement, 92 x 100 ft., brick and steel, plain foundation, Mt. Airy and Germantown Aves., for S. Krekstein, Bulletin Bldg. $150,000. Noted Nov. 12.

O., Cleveland—COMMERCIAL, APARTMENT and CLUB — Republican Womens Club of Ohio, c/o S. M. Jacobi, Statler Hotel, having preliminary plans prepared by W. S. Ferguson Co., 1900 Euclid Bldg., 10 story and basement, brick, steel and concrete, East 82nd St. and Euclid Ave. $1,250,000. Noted Sept. 24.

O., Cleveland—HALL and HOSPITAL—Voted $2,000,000 bonds for 1 story public hall addition, East 6th St. and St. Clair Ave.; and $626,000 bonds for hospital, both concrete, brick and steel. H. Kregelius, city archt.

O., Dayton——HOME—Montgomery Co. voted $400,000 bonds new Childrens Home. Engineer and architect not selected.

O., Youngstown — EXCHANGE — Ohio Bell Telephone Co., C. P. Cooper, pres., is not having plans prepared, 2 story, brick and steel exchange, LaBelle Ave. Site has been purchased and office building may be constructed within next 2 or 3 years. This corrects report in Oct. 22 issue.

Mich., Highland Park (br. Detroit) — APARTMENT — Highland Building Corp., Spencer, White & Prentis, 1200 Washington Blvd. Bldg., having plans prepared by L. Chesnow, 333 State St., Detroit, (10 units) 5 story and basement, rein.-con., brick, and stone, plain foundation, Bartlett Ave. $3,000,000.

Ill., Chicago — APARTMENT — P. M. Gordon, 3167 Pine Grove Ave., having preliminary plans prepared by Guske & Foster, 750 North Michigan Ave., 16 story and basement, 100 x 107 ft., Pearson and De Witt Sts. $1,500,000.

Ill., Chicago—APARTMENTS—Leichenko & Esser, archts., 38 South Dearborn St., take bids about Nov. 25, four 3 story, brick apartments, two 97 x 125 ft. each, West 79th St. and Oakley Ave. and two 24 x 60

Buildings—Commercial (Continued)

ft. each, West 79th St., for Tutules & Dignan, 133 West Washington St. $680,000.

Ill., Chicago — HOTEL — Syndicate, c/o A. A. Schwartz, archt., 720 North Michigan Ave., had plans prepared 14 story, 50 x 115 ft., brick and terra cotta, Hyde Park Blvd. and Cornell Ave. $1,500,000.

Ill., Chicago—HOTEL—C. Morgan, c/o J. A. Nyden, archt., 190 North State St., had preliminary plans prepared and takes bids about Dec. 1, 10 story and basement, 100 x 150 ft., brick, steel and terra cotta, Hyde Park Blvd. and Dorchester Ave. $1,250,000.

Ill., Chicago—HOTEL—M. A. Howell & S. Smith, 4911 Winthrop Ave., having plans prepared by R. F. France & Co., 155 North Clark St., 29 story and basement hotel, Chestnut St. near Seneca St. $2,000,000.

Ill., Chicago—HOTEL—Plotke & Grosby, 111 West Washington St., had sketches made by Huszagh & Hill, 6 North Michigan Ave., 24 story, 100 x 107 ft., rein.-con., brick and steel, 210-218 Pearson St. $2,000,000.

Neb., Omaha — THEATRES — Epstein Bros. Realty Co., 4932 South 24th St., plans five 86 x 170 ft., rein.-con. and brick theatres, here. $50,000 each. J. T. Allan, Brandeis Theatre Bldg., archt. Contract for an additional 86 x 170 ft. rein.-con. and brick theatre, 16th and Corby Sts., to A. Beck, Keeline Bldg. $50,000.

Mo., St. Louis — THEATRE — W. Goldman, c/o Kings Theatre, Kingshighway near Delmar Blvd., having plans prepared and soon takes bids 2 story and basement, rein.-con., brick, stone and terra cotta, Union Blvd. near St. Louis St., $150,000; also airdome, 1,500 seating capacity, adjoining Kingsland Theatre, 6457 Gravois Ave., $50,000. Private plans.

Okla., Oklahoma City—OFFICE—Southwestern Bell Telephone Co., Bway. and Locust Sts., St. Louis, Mo., making preliminary plans 10 story and basement, concrete, brick, steel and stone administration office building, here. $1,000,000. Private plans.

Calif., Los Angeles—STORE and LOFT—Curlett & Beelman, archts., Union Bank Bldg., soon take bids 6 story and basement, 85 x 130 ft., rein.-con., Los Angeles St., for Army & Navy Store, c/o architects. $200,000.

Calif., Los Angeles—THEATRES—H. L. Arnold, West 7th and Figueroa Sts., having plans prepared by T. Lamb, 644 8th Ave., New York City, N. Y., 2 theatres, 5,000 seating capacity, on 209 x 294 ft. site from 7th St., to Wilshire Blvd. $5,000,000. W. Fox, 1417 North Western Ave., lessee for one and A. G. Wilkes, 714 South Hill St., lessee for other.

Calif., Marysville — THEATRE — Paramount Theatre Corp., 201 Golden Gate Ave., San Francisco, having plans prepared by L. F. Starks, Ochsner Bldg., Sacramento, fireproof, 1,500 seating capacity, here. $150,000.

Calif., Oroville—THEATRE—Paramount Theatres Corp., 201 Golden Gate Ave., San Francisco, having plans prepared by L. F. Starks, Ochsner Bldg., Sacramento, fireproof, 1,500 seating capacity, here. $150,000.

Calif., Placerville — THEATRE — Paramount Theatres Corp., 201 Golden Gate Ave., San Francisco, having plans prepared by L. F. Starks, Ochsner Bldg., Sacramento, fireproof, 1,500 seating capacity, here. $150,000.

Calif., San Francisco—HOTEL—Hyman & Appleton, archts., 68 Post St., take bids within 60 days, 10 story and basement, rein.-con., Taylor St. near Ellis St., for E. Tropp, 129 Sutter St. $325,000.

Calif., Santa Maria—THEATRE—West Coast Jr. Theatres, Washington St. and Vermont Ave., Los Angeles, plans fireproof theatre, 1,500 seating capacity. $150,000.

BIDS DESIRED

Mass., Greenfield — HOTEL — Weldon Hotel Corp., J. T. Sellew, mgr., c/o Smith & Annable, archts., 143 State St.; Springfield, taking bids 4 story and basement, brick, Main St. $150,000. Noted Oct. 29.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York — HOTEL — See "Contracts Awarded."

N. J., Burlington—BANK—Nov. 28, by H. A. Brown, archt., Burlington, 2 story, basement and mezzanine, 44 x 102 ft., rein.-con., steel and stone, plain foundation, High and Broad Sts., for Mechanics Natl. Bank, 11 West Broad St. $150,000.

N. J., Camden—HOSPITAL—Nov. 23, by Morris & Erskine, archts., 1716 Cherry St., Phila., Pa., general contract 3 and 4 story and basement, 81 x 134 ft., rein.-con., brick and steel, plain foundation, here, for Cooper Hospital. Total $500,000.

N. J., Moorestown—BANK—Nov. 25, by Davis, Dunlap & Barney, archts., 805 South Walnut St., Phila., Pa., 1 story, basement and mezzanine, 42 x 83 ft., rein.-con., brick and steel, plain foundation, here, for Moorestown Trust Co.

Pa., Pittsburgh — WAREHOUSE — A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., taking bids 5 story and basement, 97 x 328 ft., rein.-con. and brick, Heinz and Progress Sts., here, for H. J. Heinz Co., Heinz St.

Pa., Phila.—HOSPITAL—Nov. 25, by Zantzinger, Borie & Medary, archts., Otis Bldg., 4 story and basement, 60 x 142 ft., rein.-con., brick and steel out patients building, plain foundation, 8th and Spruce Sts., for Pennsylvania Hospital. $350,000. Noted May 28.

Pa., Sharon — COMMERCIAL and APARTMENT — E. S. Hanna & E. E. Clapper, archts., McDowell Natl. Bank Bldg., taking bids 3 story and basement, 51 x 119 ft., brick, concrete and steel, for E. E. Anderson, c/o architects. $150,000.

Va., Virginia Beach—HOTEL—Nov. 25, by Neff & Thompson, archts., Seaboard Natl. Bank Bldg., Norfolk, and G. B. Post & Sons, archts., 101 Park Ave., New York City, N. Y., 7 story, irregular size, brick and steel hotel, here, for Virginia Beach Hotel Corp., c/o architects. $1,000,000. Noted Jan. 22.

Fla., Palm Beach — HOTEL — See "Contracts Awarded."

O., Cleveland — APARTMENT — Ridgewood Building Co., A. B. Smythe, pres., Smythe Bldg., taking bids 5 story and basement, 118 x 118 ft., concrete, brick and steel, East 117th St. and Euclid Ave. $500,000. A. M. Allen & Co., 7016 Euclid Ave., archts.

O., Cleveland — WAREHOUSE — Kroger Grocery & Baking Co., 813 Main St., Cincinnati, taking bids 4 story and basement, 206 x 408 ft., rein.-con. and brick, East 55th St. and Hydraulic Ave., here. $400,000. C. M. Stegner, 707 2nd Natl. Bank Bldg., Cincinnati, archt.

Ill., Chicago — APARTMENT — B. W. Constr. Co., (C. F. Henry & J. H. Buttas, owners of same), 720 Cass St., taking bids 12 story, 70 x 150 ft., rein.-con. brick and stone, 55th St. and Hyde Park Blvd. $1,500,000. Lowenberg & Lowenberg, 111 West Monroe St., archts.

Ill., Chicago—APARTMENT—Nov. 25, by R. Gregori, archt., 155 North Clark St., 3 story and basement, 85 x 125 ft., brick and stone, plain foundation, Ainslie and Magnolia Aves., for N. and L. Wallach, 6438 Greenview Ave. $350,000.

Ill., Chicago—CLUB—Jan. 1, by P. Gerhardt, archt., 64 West Randolph St., 15 story, basement and sub-basement, 100 x 160 ft., rein.-con., brick, steel and terra cotta, wood pile foundation, Sheridan Rd. and Ardmore Ave., for Edgewater Athletic Club, F. A. Harkness, secy., 105 West Monroe St. $3,500,000. Noted May 1, 1924.

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

Calif., San Francisco—HOTEL—Weeks & Day, archts., California Insurance Bldg., taking bids 15 story, brick, terra cotta and steel, Mason St. between Pine and California Sts., for California-Mason Realty Co. $4,500,000. Noted Oct. 22.

BIDS RECEIVED

Pa., Pittsburgh — POLICE STATION — City, c/o Dept. Pub. Safety, 4 story and basement, police and fire station, Water and Short Sts., from Taylor Meyer Co., Keystone Bldg., $21,042, alternate add $8,515. Noted Oct. 8.

Mont., Bozeman—WOMENS—State Bd. Examiners, L. Dennis, clk., Helena, Oct. 28, Womens Building, 3 story and basement, rein.-con. and brick, at State University, here, general contract, from O'Brien & Goss, Butte, $136,580.

Wash., Stellacoom—DORMITORY—State Dept. Business Control, Olympia, Oct. 30, 3 story and basement, 70 x 140 ft., rein.-con. and brick dormitory for Western State Hospital, here, from E. Anderson, Tacoma, $138,179. Noted Oct. 22.

Calif., Glendale—CLUB—Y. M. C. A., 845 East Washington St., Pasadena, 4 story and basement, rein.-con., here, from Sumner-Sollitt Co., Delta Bldg., Los Angeles, $169,000.

CONTRACTS AWARDED

Mass., Lynn—LODGE, etc.—Knights of Pythias, 3 story and basement, brick and steel lodge and store building, to Knott Swanson, Inc., 7 Willow St. Archts. est. $200,000. Noted Sept. 17.

R. I., Providence—BUSINESS—Bosell & Co., 10 Weybosset St., altering 5 story brick and steel, Custom House St., to Central Eng. & Constr. Co., 210 Main St., Pawtucket. Noted Sept. 17.

N. Y., New York—APARTMENT—Elsworth Eng. Corp., c/o S. V. Becker, arch. and engr., 1301 Boston Rd., will build 6 story, 82 x 100 ft., brick, steel and stone, plain foundation, 153rd St. near St. Anns Ave., by day labor. $200,000.

N. Y., New York—APARTMENT—Two Thousand Eight Hundred University Ave. Corp., c/o S. J. Kessler, engr. and archt., 529 Courtlandt Ave., will build 6 story, 84 x 100 ft., brick, steel and stone, plain foundation, Vyse Ave. near 174th St., by day labor. $175,000.

N. Y., New York—APARTMENT—Five Hundred Seventy-One Park Ave. Corp., c/o G. F. Pelham, engr. and archt., 200 West 72nd St., will build 15 story, 75 x 100 ft., brick, steel and stone, plain foundation, Park Ave. and 63rd St., by day labor. $600,000.

N. Y., New York—BANK and OFFICE—Seamans Bank for Savings, Wall St., 13 story, 90 x 140 ft., brick, steel and stone, plain foundation, Wall and Pearl Sts., to W. L. Crow Constr. Co., 103 Park Ave. Archts. est. $2,000,000. Noted Sept. 10.

N. Y., New York—COURT HOUSE—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., general contract court house for 1st Dist., Williamsbridge Rd. and Roberts Ave., to Butler-Reissdorff Co., 120 East 41st St., $238,000. Noted Nov. 5.

N. Y., New York—HOSPITAL, etc.—Bd. Trustees Bellevue and Allied Hospitals, 415 East 26th St., J. J. McGrath, pres., general contract addition to Harlem Hospital, Lenox Ave. and 135th St. and nurses residence for Fordham Hospital, Southern Blvd. and Crotona Ave., to Butler-Reisdorf Co., 120 East 41st St., $89,680 and $357,700 respectively; plumbing, for Fordham Hospital, to Nally Plumbing & Contg. Co., 172 West 98th St., $42,780. Grand total $490,160. Noted Oct. 29.

N. Y., New York—HOTEL—H. Lanzner and I. Baer, 152 West 42nd St., will build 25 story, 100 x 250 ft., brick, steel and stone, plain foundation, Park Ave. and 88th St. $8,500,000. Work will be done by separate contracts.

N. J., Bloomfield — LABORATORY — Westinghouse Lamp Co., 150 Bway., New York City, 2 story, 93 x 113 ft., rein.-con. research laboratory, here, to Stone & Webster, Inc., 147 Milk St., Boston, Mass. A. Y. Hodgdon, supt. of constr.

Pa., Washington—BANK and OFFICE—Washington Trust Co., general contract 9 story and basement, 48 x 62 ft. addition, to Hutter Constr. Co., Fond du Lac, Wis. Archts. est. $500,000. Noted Oct. 22.

Fla., Jacksonville—BANK—Burnett Natl. Bank, 101 West Forsythe St., 105 x 105 ft. bank, Laura and Adams Sts., to J. Stewart, 17 East 42nd St., New York City, N. Y. Archts. est. $1,500,000. Noted Feb. 19.

Fla., Palm Beach — HOTEL — Harvey Development Co., c/o G. W. Harvey, 100 Milk St., Boston, Mass., will build 4 story and basement, 100 x 150 ft., brick, steel and terra cotta, Villa Rica, 25 mi. south of here. $500,000. Work will be done by separate contracts. E. B. Stratton, 25 Arch St., Boston, archt. Noted Oct. 7.

O., Cleveland—CLUB—University Club, G. W. Enger, mgr., 3813 Euclid Ave., 2 story and basement, concrete, brick and steel addition, 3813 Euclid Ave., to Van Blarcom Co., Natl. City Bldg. Archts. est. $150,000.

O., Youngstown—STORE—Strouse-Hirshberg Co., West Federal St., 6 story and basement, 95 x 300 ft., rein.-con., brick and steel, West Federal St., to Mellon-Stuart Co., Oliver Bldg., Pittsburgh, Pa., $1,500,000. Noted Oct. 22.

Ill., Chicago — APARTMENT — H. O. Stone & Co., 6 North Clark St., general contract 15 story and basement, 124 x 130 ft., rein.-con., brick and stone, 1320 North State St., to Hegeman-Harris Co., 431 North Michigan Ave. Archts. est. $1,000,000. Noted Oct. 22.

Ill., Chicago—BANK—Pullman Trust & Savings Bank, E. F. Bryant, pres., 504 East 111th Pl., 2 story, 100 x 101 ft., stone, 401-417 110th Pl., to Van Etten Bros., 11016 South Michigan Ave. Archts. est. $250,000.

Buildings—Commercial (Continued)

Ill., Chicago — OFFICE and STORE — Elizabeth Arden, Inc., 675 5th Ave., New York City, general contract 10 story and basement, 50 x 100 ft., brick, steel and stone, North Michigan Ave. and East Walton Pl., here, to Hegeman-Harris Co., Inc., 431 North Michigan Ave. Archts. est. $750,000.

Ill., Chicago — OFFICE and APARTMENT — Garfield Manor Building Corp., c/o Dubin & Eisenberg, archts., 14 West Washington St., 4 story, 125 x 150 ft., brick, Garfield Blvd. and Hamlin Ave., terra cotta, to Midland Terra Cotta Co., 105 West Monroe St.; masonry, to H. M. Lipman, 5079 West Monroe St.; carpentry, to H. Kaplan & Co., 2012 West Division St.; plumbing and heating, to J. Schiller Co., 1512 West Roosevelt Rd. Archts. est. $650,000.

Ill., Chicago — THEATRE, STORE and OFFICE—J. B. Eberson, archt., 212 East Superior St., general contract and foundation, 3 story, 125 x 175 ft., rein.-con., brick, steel and terra cotta, 1643-1657 East 79th St., to J. Lind Constr. Co., 6404 South State St., for Natl. Theatre Corp., 7941 South Halsted St. Archts. est. $1,200,000. Noted May 7.

Ill., Oak Park — HOSPITAL — West Suburban Hospital, 506 North Austin Blvd., general contract 6 and 8 story, 45 x 138 ft. and wing, rein.-con., brick and stone addition, to Guy & McClintock Co., 7234 Circle Ave. Archts. est. $550,000.

Neb., Omaha — THEATRE — See "Proposed Work."

Mo., Kansas City — HOTEL — Armour-Warwick Blvd., A. R. Young, pres., 3619 Bway., 12 story and basement, first two floors 140 x 180 ft. and ten 90 x 180 ft., steel, plain foundation, Bway. and Valentine Blvds., to Fleming-Gilcrist Constr. Co., 320 New York Life Bldg. Archts. est. $1,600,000.

Mo., St. Louis—APARTMENT—Howard & Finley, archts., International Life Bldg., will build 6 story and basement, 68 x 92 ft., rein.-con., brick and stone, McPherson and De Baliviere Sts., by day labor, for Housam Realty Co., International Life Bldg. $250,000.

Mo., St. Louis—THEATRE, etc.—R. Levine, 822 West 70th St., Chicago, Ill., general contract 1 story and basement, 86 x 190 ft. theatre, 4519 Gravois Ave., 3 story and basement apartment, 4523-47 Gravois Ave., and 3 story and basement apartment, 4205-15 Ellenwood Ave., all brick, concrete, stone and terra cotta, to Guhman-Levine Constr. Co., 822 West 70th St., Chicago, Ill. Archts. est. $1,000,000. Noted Oct. 22.

Tex., Amarillo — WAREHOUSE and SERVICE STATION—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., 3 story, 106 x 150 ft. warehouse, and 1 story, 80 x 100 ft. service station, rein.-con. and brick, to H. W. Underhill Constr. Co., 235 West Waco. St., Wichita, Kan. Archts. est. $225,000.

Tex., San Antonio—APARTMENT—H. A. Wood and associates, Travis Bldg., San Antonio, 7 story and basement, rein.-con., brick, stucco, tile, etc., plain foundation, Bushnell and Shook Sts., to Kelwood Co., c/o Travis Bldg. Archts. est. $300,000. Noted Sept. 3.

Tex., Temple — HOSPITAL — Santa Fe Ry. Employees Hospital, 4 story and part basement, rein.-con., brick and stone addition, plain foundation, to H. D. McCoy, Temple, approximately $150,000.

Calif., Long Beach — HOTEL — F. B. Dunn, 12 story, 125 x 232 ft., rein.-con. hotel, etc., Ocean Ave., to W. G. Reed, Pacific Southwest Bank Bldg. Archts. est. $850,000. Noted Oct. 8.

Calif., Los Angeles—OFFICE, GARAGE, etc.—Walker & Eisen, archts., Great Republic Bldg., 2 story, 182 x 217 ft., rein.-con. top addition, 6th and Loomis Sts., to J. M. Cooper, 321 Rives-Strong Bldg., for Union Automobile Insurance Co., Lane Mortgage Bldg., $150,000. Noted July 30.

Colo., Denver — OFFICE — Continental Oil Co., 10 story and basement, 125 x 125 ft., steel and rein.-con., 18th and Glenarm Sts., to G. M. Tamblyn, Sweeney Bldg., $721,000; plumbing and heating, to Johnson-Davis, Plumbing & Heating Co., Den-

Calif., San Francisco—APARTMENT—Chin-Pack Co., c/o W. I. Garren, archt., DeYoung Bldg., will build 5 story, brick and steel, Sacramento St. near Stockton St., by day labor and segregated contracts under supervision of architect. $150,000.

Calif., San Francisco — APARTMENT — W. Helbing, 1332 Lombard St., will build 5 story and basement, steel and concrete, Hyde and Ellis Sts., by day labor. $160,000. Noted July 31.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Agawam — CHURCH — Flower Memorial Community Church, c/o W. Dibble, archt., 21 Besse St., Springfield, having revised plans prepared 1 story and basement, 60 x 105 ft., brick and stone, here. $150,000.

Mass., Pittsfield—HIGH SCHOOL—City, School Com., C. L. Hibbard, chn., having preliminary plans prepared by Harding & Seaver, associated archts., 7 North St. To exceed $150,000.

Mass., Waltham (Ind. br. Boston) — SCHOOL — City, W. H. Slayton, supt. schools, having preliminary sketches made by Hutchins & French, 11 Beacon St., Boston, 3 story and basement, brick, Parmenter Rd. off High St. $400,000.

R. I., North Kingstown (mail Davisville) — HIGH SCHOOL — Town, School Bd., having preliminary plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, Senior High School, 3 story and basement, brick. To exceed $150,000.

Conn., Danbury — SCHOOL, etc. — Wooster Episcopal Preparatory School, A. Coburn, pastor St. James Church, head master, having plans prepared by Sunderland & Watson, 248 Main St., school dormitory and chapel in Ridgebury Sect. $150,000 or more. J. M. Howells, 367 Lexington Ave., New York City, engr.

N. J., Jersey City—SCHOOL—Bd. Educ., plans School 22, brick, steel and stone, Halladay St. $240,000. Engineer and architect not selected.

Fla., Tampa—HIGH SCHOOL—Election in December, $4,100,000 bonds, Junior High School in Dist. 1-45.

Miss., University—GYMNASIUM—University of Mississippi, A. Hume, chancellor, making preliminary plans brick and concrete gymnasium building. $150,000 upwards.

La., Baton Rouge — SCHOOL — East Baton Rouge Parish School Bd. having plans prepared by Wogan & Bernard, Baton Rouge, 3 story, brick school, Bernard Terrace. $200,000.

La., New Orleans — SCHOOL — Orleans Parish School Bd. had plans prepared by E. A. Christy, City Hall Annex, for McDonough No. 9, rein.-con. and stone, Rocheblave and Onzaga Sts. $150,000.

Tenn., Knoxville — CHURCH — Church Street Methodist Episcopal Church, D. F. Knickerbocker, pastor, raising $300,000 funds for church on Church and Market Sts.

O., Bexley (Columbus P. O.)—SCHOOL—Bd. Educ., J. Henry, clk., having plans prepared by Miller & Reeves, 16 South 3rd St., Columbus, Grade and Junior High School, 3 story, rein.-con. and brick, Cassingham and Elm Sts. $300,000 bonds voted. Noted Oct. 1.

O., Mt. Union Sta. (Alliance P. O.) — MUSIC HALL — Mt. Union College, Alliance, plans Georgian type, 3 unit music hall, Simpson St. and Union Ave., here. $150,000. W. H. McMasters, pres.

O., Rocky River—HIGH SCHOOL—Voted $350,000 bonds, 2 story and basement, rein.-con. and brick high school. Engineer and architect not selected. Noted Oct. 22.

O., Upper Arlington — SCHOOL — Bd. Educ., J. A. Jones, clk., having plans prepared by H. D. Smith, 16 South 3rd St., Columbus, 2 story, 45 x 75 ft. gymnasium and auditorium and 50 x 65 ft. addition, brick, $165,000 bonds voted.

Mich., Detroit—SCHOOL—De La Salle College, c/o R. C. Gies, 415 Brainard St., archt., having plans prepared 2 story and basement, rein.-con., brick and steel, plain foundation, Connors Rd. $150,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., plans 2 story and basement, rein.-con., steel and brick, plain foundation, Puritan Ave. $250,000. Engineer and architect not selected.

Mich., Detroit — SCHOOLS — Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcolmson & Higginbotham, 1217 Griswold St., 2 story and basement, brick, steel and stone, plain foundation, Martin and McGraw Aves., $200,000; also by McGrath, Dohmen & Page, 2231 Cass Ave., 2 story and basement, 200 x 200 ft., rein.-con., brick and steel, plain foundation, Clippert and Clayton Aves., $400,000.

Mich., Newberry—HIGH SCHOOL—Bd. Educ., H. Kunert, pres., soon takes bids 2 story and basement, rein.-con., brick and steel, plain foundation. $300,000. G. Arntzen, Escanaba, archt.

Wis., Fond du Lac — CHURCH — Our Saviours Evangelical Lutheran Congregation, c/o B. Stecker, 253 Sheboygan St., pastor, having plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, superstructure 2 story, brick and stone church; plain foundation awarded to Immel Constr. Co., Dana Bldg., Fond du Lac. Archts. total est. $150,000. Noted Sept. 17.

Minn., Minneapolis — CHURCH — Hope Lutheran Church, c/o S. S. Thorpe, 1216 6th St. S. E., plans rein.-con., brick and stone, 6th St. and 13th Ave. S. E. Archts. total est. $150,000. Contract for foundation and 1st floor slab, to Pehrson Bros., 555 Temple Court Bldg., $17,000.

Ia., Cedar Rapids—GYMNASIUM—Coe College, G. T. Hedges, chn. building com., plans 3 story and basement, rein.-con. and brick gymnasium. $175,000. Engineer and architect not announced.

Minn., Columbia Heights (Minneapolis P. O.) — SCHOOL — Bd. Educ., G. R. Warren, clk., 4144 Northeast 5th St., Minneapolis, having plans prepared by Stebbins & Haxby, 320 Lyceum Bldg., Minneapolis, 3 story and basement, rein.-con. and brick school. $250,000.

Minn., Minneapolis — AUDITORIUM — State Dept. Administration & Finance, Capitol, St. Paul, having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., St. Paul, 3 story and basement, rein.-con., brick and stone, at State University, here. $1,000,000.

Minn., Virginia — SCHOOL — Bd. Educ. having revised plans prepared by C. W. Kelley, 505 Lonsdale Bldg., Duluth, 2 story and basement, rein.-con. and brick school. $150,000. Former bids rejected. Noted Aug. 20.

Neb., Hastings—SCHOOLS—Bd. Educ., G. Kimball, Jr., secy., having preliminary plans prepared by K. H. Gedney Co., Loyal Mystic Legion Bldg., Junior and Senior High School, 3 story, 172 x 250 ft., brick and concrete; also Longfellow Grade School, 2 story, 180 x 220 ft. $500,000.

Neb., Omaha — GRADE SCHOOL — Bd. Educ., M. E. Byrd, secy., City Hall, plans 2 story and basement, brick, 4414 Hamilton St. $200,000. Engineer and architect not selected.

Mo., Columbia — SCHOOLS — Election Nov. 24, $515,000 bonds, for 12 room Benton School, new high school and manual training addition to Fred Douglass High School. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted May 28.

Mo., Fayette—MUSIC CONSERVATORY, etc.—Central College, c/o A. Murry, bishop, plans new music conservatory, chapel, heating plant and remodeling various buildings. $750,000.

Tex., Austin — DORMITORY — M. W. Splawn, pres., c/o University of Texas, plans dormitory, to house 150 girls. $250,000-$300,000. Engineer and architect not selected.

Tex., Dallas—STATE TEACHERS—Bd. Educ., N. R. Crozier, pres., plans 12 or 15 story state teachers building. $200,000-$300,000. Engineer and architect not selected.

Tex., Lubbock—HIGH SCHOOL—Election Dec. 5, $170,000 bonds school improvements. Address Bd. Educ., Lubbock.

Tex., Wichita Falls—HIGH SCHOOL—City, W. W. Brown, secy. Bd. Educ., having plans prepared by Voelcker & Dixon, archts. and engrs., 312 Morgan Bldg., Junior High School, 2 story and basement, rein.-con., brick and stone, plain foundation. $200,000. Noted June 11.

Okla., Norman — CHURCH — Christian Church having preliminary plans prepared by O. Leadbetter, c/o Security Bank, 1 story and basement church, Dakota St. $250,000. Noted Aug. 6.

Okla., Tishomingo—CHURCH—Church of Christ making preliminary plans 1 story and basement, 116 x 130 ft. church, 1st St. $150,000. Engineer and architect not selected.

Okla., Tulsa — CHURCH and SUNDAY SCHOOL — Boston Avenue Methodist Episcopal Congregation, 5th St. and Boston Ave., J. Rice, pastor, having preliminary plans prepared by R. H. Hunt & Co., 1407 Southwest Life Bldg., Dallas, Tex., 1 story and basement, 100 x 175 ft., rein.-con. and brick, plain foundation, 13th St. and Boston Ave. $500,000.

Okla., Tulsa—HIGH SCHOOL—Bd. Educ., c/o C. D. Little, pres., 1544 North Main St., having preliminary plans prepared by L. I. Shumway, 725 New Wright Bldg., Junior High School, 2 story and basement, 116 x 210 ft., rein.-con. and brick, plain foundation, Birmingham and Independence

Buildings—Educational, Religious (Cont.)

Sts. $250,000. Gillham, Cook & White, 409 Interstate Bldg., mechanical engrs.

Calif., Hollywood — CHURCH — South Hollywood Presbyterian Church, having plans prepared by R. H. Orr, Corporation Bldg., Los Angeles, 1 story and basement, rein.-con., 750 seating capacity.. $150,000.

Calif., Oakland—CHURCH—Portuguese Catholic Church (Church of Our Lady of Christians), having plans prepared by C. Fantoni, 550 Montgomery St., San Francisco, rein.-con., 23rd and East 19th Sts. $150,000.

Calif., San Mateo—HIGH SCHOOL—Plans election $300,000 bonds, high school for San Mateo Union High School Dist.

Ont., Toronto—SCHOOL—Bd. Educ. having plans prepared by C. E. Dyson, 155 College St., 2 story and basement, rein.-con., brick and steel, plain foundation, Moore Park. $150,000.

BIDS DESIRED

Mass., Boston — COMMUNITY — Boston Baptist City Mission, 525 Tremont Temple, taking bids 4 story and basement, brick, Green and Pitts St. $150,000. Kendall, Taylor & Co., 142 Berkley St., archts.

N. J., Camden—NURSES HOME, etc.—Nov. 23, by Lackey & Hettle, archts., 5 Hudson Ave., 5 story and basement, 45 x 115 ft. and 56 x 105 ft., rein.-con. and brick nurses home and childrens quarters, plain foundations, Mt. Ephraim St. and Atlantic Ave., for West Jersey Homeopathic Hospital. $300,000. Noted Sept. 3.

N. J., Montclair—SCHOOL—Dec. 7, by Bd. Educ., 22 Valley Rd., New Bedford School, brick, steel and stone, plain foundation. $350,000. Starrett & Van Vleck, 393 7th Ave., New York City, archts.

Pa., Cornwell Heights—SCHOOL—Dec. 1, by St. Charles Roman Catholic Church, c/o F. J. Flood, 2 story and basement, 50 x 100 ft., granite, stone and steel, plain foundation. $150,000. P. F. Geltz, Victory Bldg., Phila., archt.

Pa., Phila.—SCHOOL—Nov. 24, by Hoffman-Henon Co., archts., Finance Bldg., 3 story and basement, 47 x 144 ft., and 50 x 107 ft., brick, stone and steel, plain foundation, 72nd and Paschall Sts., for St. Clements Roman Catholic Church. $250,000.

Md., Baltimore—SCHOOL—Nov. 25, by Bd. Awards, 2 story, 64 x 138 ft., rein.-con. and brick, plain foundation, 5th St. and Claremont Ave. $165,000. H. G. Jory, Munsey Bldg., archt. H. Massart, 328 North Charles St., engr.

Fla., Tavares—SCHOOL—Nov. 30, by Bd. Pub. Instruction, Lake Co., for high school. $150,000 bonds voted for same. Lockwood & Poundstone, Forsyth Bldg., Atlanta, Ga., archts.

Tenn., Dandridge—HIGH SCHOOLS—Nov. 30, by A. Holtsinger, chn. Jefferson Co. Bd. Educ., 3 brick high schools, one at Jefferson City, one at White Pine, and other, here. $165,000. Barber & McMurray, 425 West Clinch Ave., Knoxville, archts. Noted June 4.

Ill., Chicago—INSTITUTE—Dec. 1, by E. H. Klaber & E. A. Grunsfeld, Jr., archts., 81 East Madison St., 3 story and basement, 147 x 188 ft., rein.-con., brick and steel, Douglas Blvd. and St. Louis Ave., for Jewish Peoples Institute, 1258 Taylor St. $600,000. I. F. Stern, 38 South Dearborn St., engr.

Ind., Indianapolis—SCHOOL—St. Philip Neri School, 550 North Rural St., taking bids and opens same about Nov. 22, 2 story and basement, 112 x 186 ft., brick, steel and rein.-con. school. $150,000. Henkel & Hanson, Connersville, archts. and engrs.

Ind., Indianapolis—SCHOOL—Nov. 24, by Bd. School Com., 150 North Meridian Ave., 2 story and basement, 105 x 191 ft., brick, steel and rein.-con. school. $160,000. Osler & Burns, Penway Bldg., archts. W. A. Breining, 511 Traction Terminal, engr.

Ind., Terre Haute—SCHOOL, etc.—Dec. 7, by Johnson, Miller, Miller & Yeager, archts., 30 North 5th St., 4 room addition to Lincoln School, $47,000; 8 room addition to Booker T. Washington School, $88,000, and factory type auto shop on 100 x 140 ft. site, at Gerstmeyer High School, $58,000, for City.

Wis., Milwaukee—SCHOOL—Nov. 27, by School Bd., for prevocational school, Windlake Ave. $600,000.

Calif., San Francisco—SCHOOL—Dec. 2, by Bd. Pub. Wks., Henry Durant School, fireproof, Buchanan and O'Farrell Sts., for City and San Francisco Co. $335,500. J. Reid, Jr., 1st Natl. Bank Bldg., archt.

BIDS RECEIVED

Tenn., Memphis—LABORATORY—Jones & Furbringer, archts., Porter Bldg., Nov. 5, general contract 5 story class room and laboratory building, Monroe Ave., from Blair Constr. Co., Rand Bldg., for University of Tennessee. $221,500. Noted Oct. 22.

O., Cleveland — CHAPEL and CREMATORY—City, W. R. Hopkins, mgr., Nov. 2 story, 91 x 112 ft., concrete, brick and stone, Highland Park Cemetery, from W. F. Hendrick Co., 2773 East 53rd St., $234,333. Noted Oct. 22.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., Oct. 31, Sherrill School, 2 story and part basement, 74 x 101 ft. and 82 x 191 ft., brick, steel and concrete, Garden and Prairie Aves., general contract from R. F. Hill, 408 West Fort St., $156,200; heating, etc., from Drake Avery Co., 210 State St., $57,449. Noted Oct. 22.

Mich., Flat Rock—HIGH SCHOOL—Bd. Educ., Oct. 29, 2 story and basement, 130 x 150 ft., rein.-con., brick and steel, plain foundation, from A. W. Kutsche Co., 333 State St., Detroit, $153,143. Noted Oct. 22.

Calif., Brawley — HIGH SCHOOL — Brawley Union High School, rein.-con. high school buildings, incl. carpenter and machine shop, from D. Callahan, Lankershim Bldg., Los Angeles, $159,975. Noted May 21.

CONTRACTS AWARDED

Mass., Fitchburg—SCHOOL—Immaculate Conception Parish, W. Morin, pastor, 2 story and basement, 65 x 105 ft., brick and stone, plain foundation, Walnut St., to L. Rocheford & Son, 44 Front St., Worcester. Archts. est. $150,000.

Mass., Worcester — DORMITORY — Assumption College, Assumption Ave., 3 story, 150 x 200 ft., brick, cast stone and steel, to J. J. Roberts, 4 Wall St. Archts. est. $250,000. Noted March. 12.

N. Y., Woodhaven (Jamaica P. O.) — SCHOOL — Bd. Educ., 500 Park Ave., New York City, general contract P. S. 63, Sutter Ave. from 90th to 91st Sts., here, to Hayson Constr. Co., 44 Court St., Brooklyn, $567,000; plumbing to J. A. Graf, 394 Waverly Ave., Brooklyn, $29,742; and heating, to Almirall & Co., Inc., 1 Dominick St., New York City, $78,314. Grand total $675,056. Noted Nov. 12.

Pa., Phila.—SCHOOL—Bd. Educ., c/o J. D. Cassell, supt. buildings, 19th and Chestnut Sts., 4 story and basement, 159 x 268 ft. school, Pike St. between 17th and 18th Sts., general contract, to McCloskey Co., 1620 Thompson St., $997,847; heating, to J. Borden & Bros., 637 North 19th St., $63,840; plumbing, to S. Faith & Co., Inc., 2427 Pennsylvania Ave. $45,743; and electrical work, to Walker & Kepler, 531 Chestnut St., $32,281. Grand total $1,139,711. Noted Nov. 12.

Md., Baltimore—SYNAGOGUE—S. Russell, archt., 11 East Lexington St., 1 story, stone, plain foundation, to D. M. Andrew Co., Sisson and 26th Sts., for Shaari Sfiloh Congregation. $200,000.

Ind., Indianapolis—HIGH SCHOOLS—Bd. School Comrs., 150 North Meridian St., general contract Thomas Jefferson Colored High School, 2 story, 186 x 246 ft., West and 12th Sts., to Brown & Mick, 226 E. Michigan Ave., $405,251, heating and ventilating, to Freyn Bros., 1028 North Illinois St., $52,336; also general contract West Side High School, 2 story and basement, 148 x 229 ft., Washington St. and Sheffield Ave., to W. P. Jungclaus, 825 Mass Ave., $331,862, both rein.-con., brick and steel. Noted Sept. 24.

Wis., Madison — SCHOOL — Edgewood Academy, Monroe St., rein.-con., brick and steel, plain foundation, Monroe St., to J. H. Findorff & Son, 601 West Wilson St. Archts. est. $150,000.

Okla., Tulsa — HIGH SCHOOL — Bd. Educ., Theodore Roosevelt Junior High School, 3 story and basement, 135 x 215 ft., rein.-con. and brick, plain foundation, Owen St., to Shallenberger Constr. Co., 1631 East 6th St., $256,693. Noted Aug. 27.

Calif., San Francisco—ART—San Francisco Art Assn., 999 California St., part 1 and 2 story, rein.-con., Chestnut and Jones Sts., to G. Wagner, Inc., 181 South Park St., $220,000 (percentage basis). Noted Sept. 11.

Federal Government Work

PROPOSED WORK

Okla., Oklahoma City—POST OFFICE—Treas. Dept., J. A. Wetmore, acting Supervising Archt., Wash., D. C., reports no appropriation made for post office, here. This corrects report in Oct. 29 issue.

Calif., Mare Island — Dredging — Spec. 5172 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging at Turning Basin (Submarine Repair Base), Navy Yard, here.

BIDS DESIRED

N. Y., New York—Dredging, etc.—Dec. 19, by U. S. Engineer Office, 710 Army Bldg., 39 Whitehall St., dredging and repairs to jetty, Browns Creek; adv. E. N.-R. Nov. 19.

Md., Baltimore—Storehouses—Dec. 3, by Treas. Dept. at office Supervising Archt., Wash., D. C., storehouses, etc. at the U. S. Quarantine Station, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Nov. 19.

D. C., Wash.—Cruiser, etc.—Jan. 19, by Navy Dept., constructing Scout Cruiser 2 and furnishing main turbines and gears for Scout Cruisers 24 and 25, etc. C. D. Wilbur, secy.; adv. E. N.-R. Nov. 19.

Va., Norfolk—Bridge—Dec. 16, by U. S. Engineer Office, steel swing draw span highway bridge; adv. E. N.-R. Nov. 19.

Wyoming—Road—Dec. 1, by J. W. Johnson, dist. engr. Bureau Pub. Rds., Custom House, Denver, Col., grading, etc., 1 mi. Cody-Yellowstone Natl. Forest Road Project, Reservoir Sect., here.

BIDS RECEIVED

N. Y., Fulton—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 12, remodeling and enlarging post office, here, from Unkefer Bros. Constr. Co., Pittsburgh, Pa., $10,350. Noted Oct. 22.

Ill., Great Lakes (br. Waukegan)—Ash Handling System — Spec. 5164—Bureau Yards & Docks, Navy Dept., Wash., D. C., ash handling system for Naval Training Station, here, from G. J. Hagan Co., Chamber of Commerce Bldg., Pittsburgh, Pa., (1) $6,768 (4) $1,200. Noted Oct. 29.

Calif., San Diego—Paving—Spec. 5162—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending parade grounds at Naval Operating Base, here, from Gilmore Oil Co., San Diego, (1) $5,800 (2) $789.

CONTRACTS AWARDED

D. C., Wash.—Turbines—U. S. Engineer Office, Navy Bldg., installing and testing 3 hydraulic turbines for water supply, to S. Morgan Smith Co., York, Pa., $30,160. Noted Oct. 1.

Oregon-California—Bridges—Bureau Pub. Roads, Dept. Agriculture, New Post Office Bldg., Portland, Ore., 3 bridges on Grants Pass, Crescent City Highway, to L. R. Painter, Crescent City, $38,212.

California—Roads—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., San Francisco, crushed rock surfacing 11.86 mi. Sonora-Long Barn Natl. Forest Highway, Tuolumne Co., to M. Blumenkranz, Farmers & Merchants Bank Bldg., Stockton, $77,340. Noted Nov. 12.

Unclassified

PROPOSED WORK

Lighting System—Kissimmee, Fla.—Election Dec. 5, $30,000 bonds, for whiteway and electric lighting system.

Subway—Alliance, O.—Soon takes bids subway under Ft. Wayne tracks, on Johnson Ave. $283,430. City's portion of cost $100,000. H. Anderson, Alliance, engr.

Park Improvements — Cleveland, O. — Voted $1,600,000 bonds improving parks, incl. fireproof buildings, etc. S. Newman, City Hall, engr. H. Kregelius, City Hall, archt.

Lighting System — Oshkosh, Wis. — Park Bd., c/o G. Randall, city engr., soon takes bids 15,000 ft. cable, 40 aluminum holders, forty 250 c.p. lamps, 40 sockets and receptacles, etc. for street lighting system in South Park.

Land Development — St. Louis, Mo. — Cyrus Crane Wilmore Organization, Inc., Boatmens Bank Bldg., making preliminary plans developing approximately 100 acres in sub-division on South Kingshighway between Fyler and Penrod Aves. and extending westward, approximately 400,000 cu.yd. grading, etc., $400,000. Pitzman Eng. & Survey Co., 615 Chestnut St., engrs.

Park — Beaumont, Tex. — Election in December $50,000 bonds improving Magnolia Park. R. C. Black, city engr.

Gasoline Stills—Port Arthur, Tex.—Gulf Refining Co., plans 20 high pressure gasoline stills. $1,500,000. Work will probably be done by day labor. Private plans.

Stadium—Berkeley, Calif.—Regents of University of California, making preliminary plans enlarging stadium.

Stadium—Fresno, Calif.—State Normal School, Sacramento, plans 300 x 450 ft. stadium, etc., here. C. L. McLane, college pres.

Ornamental Lighting System—Hermosa Beach, Calif. — Plans ornamental street lighting system on Hermosa Ave. and various streets. To exceed $25,000. B. F. Brown, city clk.

Park Improvements—Inglewood, Calif.—Plans election $50,000 bonds, park improvements.

Swimming Pool — Los Gatos, Calif. — Making revised plans 40 x 70 ft. swimming pool. $20,000. Former bids rejected. R. Wyckoff, Growers Bank Bldg., San Jose, archt. Noted Oct. 8.

Unclassified (Continued)

BIDS DESIRED

Generators—Buffalo, N. Y.—Dec. 9, by State Hospital Comn., Capitol, Albany, electric generators, Buffalo State Hospital, here; adv. E. N.-R. Nov. 19.

Refrigeration Work, etc. — Dannemora, N. Y.—Dec. 8, by J. L. Long, supt. State Prisons, Capitol, Albany, refrigerating work and cold storage rooms at Dannemora State Hospital, here; adv. E. N.-R. Nov. 19.

Cable—New York, N. Y.—Dec. 15, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., 3 conductor, lead covered cables in 2 tunnels and in ventilation buildings for distributing electrical energy for power and lighting purposes, Contr. 20 of Holland Tunnel. G. R. Dyer, chn. former and T. Boettger, chn. latter commissions; adv. E. N.-R. Nov. 19.

Fire Alarm System—New York, N. Y.—Nov. 24, by T. J. Drennan, fire comr., Municipal Bldg., portion of underground fire alarm system, Bronx Boro.

Subway—New York, N. Y.—Nov. 27, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing subway, Sect. 2, Route 105, along and under Bway. from Cummings to West 211th Sts.

Steel Tank — Crown Point, Ind. — D. B. Straley taking bids 100,000 to 300,000 gal. steel tank on 100 ft. steel tower.

Light Plant Equipment—Springfield, Ill.—Dec. 7, at office of Mayor, Sect. 1, 1 surface type condenser with auxiliaries to condense steam for 7,500 kw. general electric turbine; Sect. 2, air conditioning equipment, incl. air filters for 7,500 kw., 4,000 kw., 3,000 kw., 1,500 kw. generators; Sect. 3, 2 water tube boilers with chain grate stokers, forced draft apparatus, and brick work, etc. $85,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Docks—Milwaukee, Wis.—Nov. 25, by Dept. Pub. Wks., constructing 2 rein.-con. docks, one at Municipal Storage Yard east of 16th St. viaduct, $100,000; and other at Kinnickinnic flushing station, $12,000.

Street Lighting—St. Louis, Mo.—Dec. 15, by Bd. Pub. Serv., 208 City Hall, 9,367 rein.-con. standards complete, 1,250,000 ft. trenching and back fill, 2,000,000 ft. No. 8 steel taped and 100,000 ft. primary 5,000 volt lead covered cable, one 14 and two 12 transformer sub-stations, etc., for street lighting in Dists. B, C and D. $1,250,000. R. Toensfeldt, City Hall, engr.

Gas Pipe Line—Oklahoma—See "Contracts Awarded."

Transmission Line — Oklahoma — See "Contracts Awarded."

Subway — Cooksville, Ont. — Nov. 26, by S. L. Squire, deputy minister Dept. Pub. Hys., Parliament Bldgs., Toronto, concrete and steel subway under Canadian Pacific Ry. tracks on Hurontario St., north of here. $30,000. G. Hograth, 110 University Ave., Toronto, ch. engr.

CONTRACTS AWARDED

Steel Ferry Boats—Boston, Mass.—Dept. Pub. Wks., 2 steel ferry boats, to Bethlehem Shop Building Corp., 100 Milk St., $257,975 each. Noted Nov. 5.

Dock—Glassport, Pa.—Kelly Axe & Tool Co., Charleston, W. Va., 120 ft. concrete unloading dock on Monongahela River, to Dravo Contg. Co., Neville Island, Pittsburgh.

Gas Mantle Lamps, etc.—Phila., Pa.—For 10,955 gas mantle lamps and light on various streets, to Welsbach Street Lighting Co. of America, 1934 Market St., $603,511.

Storage Tanks—Indianapolis, Ind.—See "Buildings — Industrial under Contracts Awarded."

Foundation — Minneapolis, Minn. — See "Buildings — Educational, Religious under Proposed Work."

Culverts—Cottonwood Falls, Kan.—See "Streets and Roads."

Land Development — Clayton, Mo. — E. Davis Realty Co., 1101 Locust St., St. Louis, grading approximately 600,000 to 700,000 cu.yd. in subdivision on Ladue Rd., here, to L. Gary, c/o job; extending culverts, to J. Myers Constr. Co., Merchants Laclede Bldg., St. Louis, $25,000. Noted Nov. 5.

Boiler Washing Plant — Slaton, Tex. — Panhandle & Santa Fe Ry. Co. (subsidiary Atcheson, Topeka & Santa Fe Ry. Railway Exch. Bldg., Chicago, Ill., C. F. W. Felt, ch. engr.) 30 x 68 ft. concrete and brick boiler washing plant, here, to Natl. Boiler Washing Co., Ry. Exch. Bldg., Chicago, Ill., approximately $75,000.

Gas Pipe Line—Oklahoma—E. L. Reed, 1321 West 10th St., Oklahoma City, will build 65 mi. gas pipe line from Chickasha to Pauls Valley and distribution system in Pauls Valley, by day labor. $75,000. Private plans.

Transmission Line—Oklahoma—Chickasha Gas & Electric Co., Chickasha, will build 35 mi. transmission line from Verden to Carnegie, by day labor. $30,000. F. D. Shafer, Chickasha, engr.

Swimming Pool—Pasadena, Calif.—See "Buildings—Commercial."

Breakwater, Wharves, etc.—Canada—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Materials

BIDS DESIRED

Crushed Stone—Hartford, Conn.—Nov. 25, by Bd. Contr. & Supply, Municipal Bldg., crushed stone, incl. 30,000 net tons 2 in., 3,000 net tons 1½ in., 4,000 net tons 1 in., 1,000 net tons ¾ in., 1,000 net tons ½ in. and 12,000 net tons dust, required for 2 year period beginning Jan. 1, 1926.

BIDS RECEIVED

Sand, Paving Blocks, etc. — Brooklyn, N. Y.—J. A. Guider, pres. Brooklyn Boro. Boro Hall, Nov. 11, 200,000 gal. asphaltic cement for asphalt and bituminous mixtures in "A" liquid form, from Standard Oil Co., 26 Bway., New York City, $14,200; 2,000 cu.yd. binder stone, from Calvin Tompkins, 30 Church St., New York City, $5,975; 100 tons limestone from Limestone Products Corp., 17 West 42nd St., New York City, $5,190; 2,000 cu.yd. asphalt sand, from South River Sand Co., Old Bridge Rd., Elizabeth, N. J., $3,600; and 3,000 cu.yd. 1½ broken stone, from J. J. Guinan, 2314 Gravesend Ave., $5,400. Noted Nov. 5.

Sand, Paving Blocks, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro. Municipal Bldg., Nov. 12, 3,000 cu.yd. asphalt sand, from South River Sand Co., Old Bridge Rd., Elizabeth, N. J., $3,000; 1,000 tons inorganic dust, from Limestone Products Corp., 17 West 42nd St., $5,130; 25,000 special 5 in. granite paving blocks, from Terminal Supply Co., 350 Madison Ave., $3,558; 2,000 cu.yd. ¾ in. binder stone, from Calvin Tompkins Co., 30 Church St., $3,880; and 250,000 gal. asphaltic cement, from Warner Quinlan Co., 79 Wall St., $17,250. Noved Nov. 5.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Nov. 30.

Bridge

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION
Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for:

Construction of a single leaf trunnion bascule bridge providing a 30 ft. clear opening between fenders and two steel encased concrete approach spans 51 ft. 6 in. and 56 ft. 6 in. in length, the bridge to be constructed on concrete piers and abutments founded on timber piling with a 30 ft. clear width of roadway, over Tuckahoe River, at M. P. 29.5 on Route No. 14, in the Counties of Atlantic and Cape May.

Bids for the above will be received at the office of the State Highway Commission, 9th floor Broad Street Bank Building, Trenton, New Jersey, on Monday, November 30th, 1925, at twelve o'clock (12:00 Noon), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, Room 901, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and name of the bridge on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: Nov. 24.

Water Supply System

Lavallette, N. J., November 10, 1925.

Sealed proposals will be received by the Borough of Lavallette, New Jersey, until 8 p.m., November 24, 1925, for furnishing and installing pumping machinery, electrical equipment, piping, etc., for Water Supply System, in accordance with plans and specifications which may be obtained from the Borough Engineers.

The right is reserved to reject any or all bids.

H. A. WHITELOCK,
Borough Clerk.

SHERMAN & SLEEPER,
Borough Engineers,
501 Cooper Street,
Camden, New Jersey.

OFFICIAL PROPOSALS

Bids: Dec. 8.

Refrigeration Work

Dannemora, N. Y.

Sealed proposals for Refrigeration Work—Refrigerating Plant and Cold Storage Rooms, Dannemora State Hospital, Dannemora, N. Y., will be received by Hon. James L. Long, Sup't. of State Prisons, Capitol, Albany, N. Y., until 12 o'clock, noon, on Tuesday, December 8th, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in the State of New York, and made payable to the State of New York, (or money), equal to 5% of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent. (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4631. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Dannemore State Hospital, Dannemora, N. Y., at the New York Office of the Department of Architecture, 18th floor, Fuller Building, Broadway and 23rd Street; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y. Dated: October 26, 1925.

(Continued on following page)

OFFICIAL PROPOSALS

(Continued from preceding page)

Bids: Dec. 11.

Tennessee Highway Letting

Nashville, Tenn.

SEALED BIDS will be received by the State of Tennessee, Department of Highways & Public Works, at their offices in Nashville, Tennessee, until Friday, December 11th, 1925, and opened publicly at ten o'clock A.M. for the construction of:

Project 31-A, Tipton County, 9.86 miles plain cement concrete pavement with alternate of bituminous concrete on cement concrete base.

Project 31-B, Tipton County, 7.37 miles plain cement concrete pavement with alternate bituminous concrete on cement concrete base.

Project 36-B, Shelby County, 2.14 miles grading and drainage. Three bridges over 20' of span.

Project 40-A, Giles County, 7.17 miles grading, drainage, plain cement concrete pavement, with alternate bituminous concrete on cement concrete base, bituminous macadam on macadam base, and rock asphalt on macadam base, with two bridges over 20' of span.

Project 40-B, Maury County, 12.56 miles grading, drainage, and plain cement concrete pavement with alternate bituminous concrete on cement concrete base, bituminous macadam on macadam base, and rock asphalt on macadam base.

Project 40-C, Giles County, 9.19 miles grading, drainage, and plain cement concrete pavement with alternate bituminous concrete surface on cement concrete base, and two bridges over 20' of span.

Project 51-D, Madison County, 7.89 miles grading, and drainage.

Project 55-A, Anderson County, 9.45 miles grading and drainage and four bridges over 20' of span.

Project 58-A, Bradley County, 10.85 miles grading and drainage.

Project 192-B, Polk County, fabricated structural steel and reinforced concrete bridge over Conasauga River.

Project 301-A, Polk County, 1.49 miles grading and drainage.

Project 302-B, Dyer County, grade separation structure over Illinois Central Railroad.

Project 308-A, Montgomery County, 3.68 miles grading and drainage, and three bridges over 20' of span.

Project 309-A, Sullivan County, 4.89 miles grading and drainage and two bridges over 20' of span.

Project 310-A, Unicoi County, 6.33 miles grading and drainage.

Project 313-A, Loudon County, 4.20 miles grading and drainage.

Project 315-A, Perry County, 8.00 miles grading and drainage.

Bidder's bond or certified check in amount of not less than five per cent total bid required as proposal guarantee. Plans for structures furnished at cost. Deposit $1.00 required for each proposal. For further information communicate with Department offices at Nashville, Tennessee.

C. N. BASS,
Assistant Commissioner.

Bids: Dec. 7.

Sewer Extension

Jackson, Mich.

Sealed proposals will be received by the City Clerk of the City of Jackson, Michigan, up to 12 o'clock noon, Eastern Standard Time, of Monday, the seventh day of December, 1925, for the construction of the High Level Intercepting Sewer Extension, consisting of the following approximate quantities:

5,800 lineal feet of 48-inch sewer.
1,800 lineal feet of 30-inch sewer.

together with manholes, appurtenances, special structures and miscellaneous sewer connections.

The plans and specifications under which the work is to be done may be examined at the office of the City Clerk or of the City Engineer at Jackson, and copies may be obtained for bidding purposes by making a deposit of Ten Dollars, which will be refunded upon their return in good condition within ten days after the date of receiving proposals.

A certified check in an amount equal to five per cent of the total amount of the proposal will be required.

The right to accept any proposal, to reject any or all proposals and to waive defects in proposals, is reserved by the city.

J. E. WHITTAKER,
City Manager.

Bids: Nov. 20.

Bridge Work

Jacksonville, Fla.

Sealed proposals to be filed with Frank Brown, Clerk, Room 101, County Court House, Jacksonville, Duval County, Florida, will be received up to 10 o'clock a.m., Friday, November 20, 1925, for the construction of four additional new concrete highway spans to the McGirt's Creek Bridge now under construction, on Orange Park Road, No. 5, over McGirt's Creek, Duval County, Florida. These approach spans are to be constructed under the Duval County Bond Issue of 1925.

Bids will be received for the construction of the new four spans under one contract. The four new spans will have a total length of 164 feet, consisting of four 41-foot reinforced concrete deck girder spans, with a 28-foot roadway and two 5-foot sidewalks and will connect with the new McGirt's Creek Bridge now under construction, and the McGirt's Creek Bridge abutments and approaches, forming a part of the approaches and will form a part of the approaches to the Jacksonville and Ortega shores of McGirt's Creek. The four new spans contain approximately 638 cubic yards of reinforced concrete, 63,000 pounds of reinforcing steel, and 4,400 linear feet of wooden piles.

Bids will be accompanied by a certified check, drawn upon a local bank, made payable to J. F. Hammond, Chairman of the Board of County Commissioners, or money. Such certified check or money shall be in the sum of 5 per cent of the bid, to be forfeited as liquidated damages (not penalty) by any bidder who is awarded the contract and who fails promptly to execute contract and bond. The certified check or money will be returned to bidders upon execution of the contract and bond, or sooner upon action of the commissioners.

A bond satisfactory to the commissioners for 50 per cent of the total contract price will be required, which must be executed by a resident agent in Duval County, representing a Surety Company, authorized to do business in the State of Florida, and otherwise satisfactory to the County. The contract may be awarded to the lowest responsible and competent bidder but the Board of County Commissioners reserves the right to reject any and all bids and to waive informalities. Bids shall be based upon the plans and specifications of the Bridge Engineer, copies of which may be secured at the office of T. B. Carrick, County Bridge Engineer, Jacksonville, Fla., by depositing $50.00, which sum will be returned in full if plans and specifications are returned in good order within thirty days of the date of opening bids. Plans and specifications may be examined in the County Engineer's Office at any time.

J. F. HAMMOND,
By order of the Board Chairman.
Attest:
FRANK BROWN, Clerk,
Nov. 2, 1925.

Bids: January 4.

Bridge Over Mobile Bay

MOBILE BAY BRIDGE COMPANY

Mobile, Ala.

Sealed bids will be received by the Mobile Bay Bridge Company, to be filed in the company's office in the Meaher Building, Mobile, to be publicly opened in the rooms of the Chamber of Commerce of Mobile, at 2:30 p. m., Monday, January 4, 1926; for the construction complete of the Bridge over Mobile Bay (excepting the earth work, embankment, dredging and pavement).

The structure includes: A bridge over the Mobile River comprising four through riveted truss spans; one 175 ft., two 225 ft., and a vertical lift span 320 ft. long, with piers of concrete supported by wooden piles. A bridge over the Tensaw-Spanish River comprising five through truss spans 200 ft. long, one of which shall be vertical lift span, with piers of concrete supported on wooden piles. A bridge over the Apalachee River 1,400 ft. long, a bridge over the Blakely River, 1,100 ft. long. These bridges and portions of the structures adjacent to the Mobile River Bridge and the Tensaw-Spanish River Bridge, and over the L. and N. Railroad, shall be of steel girder beam and concrete pile trestles, constructed of precase concrete piles. The structures throughout will provide a 20 ft. roadway for highway traffic on a reinforced concrete floor slab. The Mobile River Bridge includes about 1,200 tons of superstructure metalwork, 840 cubic yards of superstructure concrete, 4,500 cubic yards of substructure. The Tensaw-Spanish River Bridge includes 940 tons of superstructure metalwork, 700 cubic yards of superstructure concrete, 4,400 cubic yards of substructure. The girder beam and concrete pile trestle construction includes 750 tons of superstructure metalwork, 2,800 cubic yards of superstructure concrete, and 23,000 linear feet of reinforced concrete piles.

Bids are asked on separate contracts for the substructure of the Mobile River Bridge, for the substructure of the Tensaw-Spanish River Bridge, or for the substructures of both of these bridges under one contract; for the manufacture, erection, and completion of the superstructure of the Mobile River Bridge and separately for the superstructure of the Tensaw-Spanish River Bridge, or for a contract including the superstructures of both of these bridges; a contract for the manufacture and delivery of the superstructure metalwork for the girder beam and concrete pile trestles; and a contract for erecting the superstructure metalwork thereof and constructing the girder beam and concrete pile trestles. Bidders may bid on any or all of the contracts.

Each bid shall be accompanied by a certified check on a solvent bank, payable to Mobile Bay Bridge Company, in an amount not less than three per cent of the total of the bid. The Company reserves the right to reject any and all bids and to waive informalities.

Bids shall be based upon plans and specifications in the office of the Mobile Bay Bridge Company, Meaher Building, Mobile, Alabama, and in the office of Harrington, Howard and Ash, Consulting Engineers, in Kansas City and New York. Copies of the plans and specifications may be secured from the Consulting Engineers by making the following deposits. All plans and specifications shall be returned and the following refunds made. For complete plans, deposit $50.00, refund $25.00; for plans of superstructures of Mobile River and Tensaw-Spanish River bridges, deposit $25.00, refund $10.00; for plans of all substructures and all girder beam and concrete pile trestles, deposit $25.00, refund $10.00.

A bond of a surety company or other bond satisfactory to the Company and upon the form accompanying the specifications will be required for each contract.

Mobile Bay Bridge Company.
HARRINGTON, HOWARD and ASH,
Consulting Engineers.

Bids: Dec. 7.

Bridge

CONTRACT NO. 79
BRONX PARKWAY COMMISSION
Bronxville, N. Y.

Sealed bids for constructing Bronx River Parkway Drive Bridge No. 6 over the Bronx River Parkway Drive at Yonkers Avenue, Yonkers, N. Y., together with retaining walls and other work incidental thereto, will be received by the Bronx Parkway Commission at its office, No. 72 West Pondfield Road, Bronxville, N. Y. until 11:30 a. m. on Monday, December 7th, 1925.

The bridge is a stone faced reinforced concrete frame arch structure, having a span of 41 ft. (perpendicular to the faces of abutments).

Pamphlets containing information for bidders, form of proposal, specifications and contract drawings may be obtained by intending bidders at the above address by depositing $5.00 for each copy of the pamphlet including drawings.

The right is reserved to reject any or all bids.

Bronx Parkway Commission,
JAY DOWNER, Chief Engineer.
Bronxville, N. Y.
November 16, 1925.

Bids: Dec. 1.

Road Work

Elizabeth City, N. C.

Bids desired Dec. 1st by the Pasquotank Highway Commission, Elizabeth City, N. C. S. G. Scott, Chairman, for hardsurfacing Salem and Easlip roadways. Approximately four miles long. Plans and specifications may be seen in the office of the Pasquotank Highway Commission, Elizabeth City, N. C. Plans will be sent upon receipt of ten dollars ($10.00). Rights reserved to reject all bids. J. R. Ford, Engineer, Box 232, Elizabeth City, N. C.

CONSTRUCTION NEWS

Engineering News-Record, Nov. 26, 1925

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Harriman — Making plans water supply system. H. J. Harder, 129 Market St., Paterson, N. J., engr.

N. J., Atlantic City—State Bd. Conservation & Development granted permission to City to drill artesian well, near here. J. W. Hackney, city engr.

N. J., Collingswood (Ind. br. Camden)—Plans 3 wells, of 2,400 g.p.m. capacity. $70,000. Remington & Vosbury, 501 Cooper St., Camden, engrs.

N. J., Mount Holly—Mount Holly Water Co., 84 Mill St., plans drilling artesian wells for 1 m.g. daily capacity. H. T. Critchlow, State House, Trenton, engr.

N. J., Summit — Commonwealth Water Co., 19 Beechwood Rd., plans 1½ m.g. daily capacity artesian well. H. T. Critchlow, State House, Trenton, engr.

N. C., Salisbury — See "Streets and Roads."

S. C., Newberry—Voted $25,000 bonds, waterworks.

Fla., Perry — Election Dec. 8, $50,000 bonds, improving mains and sewers in various streets.

Tenn., Nashville—Soon takes bids waterworks improvements, incl. new boiler plant, force mains, auxiliary reservoir, etc., at Loves Circle. $1,000,000. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.

O., Mansfield — Plans election $100,000 bonds, reservoir and waterworks. W. C. Statler, City Hall, engr.

Wis., Stevens Point—Consolidated Water, Power & Paper Co., F. C. La Brot, mgr., making plans pumping station near Wisconsin River, also 18 in. main along Bliss Ave., Patch and Wood Sts. To exceed $15,000. W. F. Thiele, c/o owner, engr.

Minn., Calumet—Making plans constructing waterworks. $30,000. W. C. Holt, village clk.

Minn., Wanamingo—Voted $15,000 bonds constructing waterworks. Engineer not announced. Noted Aug. 20.

Kan., Toronto—Defeated $70,000 bonds, complete waterworks and distribution system. F. E. Devlin, 614 Bitting Bldg., Wichita, engr. Noted Oct. 22.

Neb., Ashton — D. L. Polski, city clk., takes bids about Feb. 1, c.i. mains, tank and tower for new waterworks. Former bids rejected. Henningson Eng. Co., Natl. Bldg., Omaha, engrs. Noted Oct. 22.

Mo., Houston — Plans election $45,000 bonds, 75,000 gal. tank on tower, deep well and pumping equipment, 4- to 8-in. c.i. mains, etc. Russell & Axon, McDaniel Bldg., Springfield, engrs. Noted Sept. 17.

Mo., Marshfield—Election within 90 days $55,000 or more bonds, complete waterworks and distribution system. Gantt-Baker Co., 1116 West Main St., Oklahoma City, Okla., engrs.

Tex., Hedley — Election soon $48,500 bonds, 75,000 gal. tank on 120 ft. tower, distribution system, etc. Devlin Eng. Co., Central Bldg., Amarillo, consult. engrs.

Tex., Pharr—Voted $30,000 bonds, waterworks. Address A. Van Williams, mayor.

Okla., Altus — Voted $790,000 bonds, Bitter Creek and Lugert water supply propositions. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., El Reno — Making preliminary plans waterworks extensions. $50,000. D. Powell, El Reno, engr.

Okla., Frederick—Voted $52,000 bonds, waterworks improvements, and $22,000 bonds, sanitary sewers in various streets. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Oct. 15.

Okla., Madill—Making preliminary plans extending water distribution system. $40,000. F. L. Yarger, city clk. Engineer not selected.

Colo., Ft. Collins—Made plans and soon takes bids new filters, improvements to settling basin, 14 mi. 24 in. pipe line, reservoir, etc. $1,100,000. Kirksted & Stringfellow, 614 Interstate Bldg., Kansas City, Mo., engrs.

Calif., Laguna Beach — Laguna Beach Co. Water Dist. making plans 8 mi. mains from Balboa Beach to Laguna Beach. $400,000. J. B. Lippincott, Petroleum Securities Bldg., Los Angeles, engr.

Calif., Oakland—East Bay Water Co., 512 16th St., made plans 2 story, concrete filter plant, Mountain Blvd. $25,000. Private plans.

Calif., Sacramento—Arden School Dist., E. A. Crockett, clk., P. O. Box 901, Route 5, taking bids pumping plant, capacity not less than 75 g.p.m. against total head of 75 ft., etc.

Calif., San Andreas — Calaveras Co., making plans water supply system for hospital, incl. 20 x 20 x 10 ft. concrete tank, 30,000 gal. capacity, 55 cu.yds. concrete, 5,300 ft. 6 in. steel pipe line, etc. W. S. Coulter, San Andreas, co. surv.

Calif., South Pasadena (Ind. br. Pasadena) — Plans election $450,000 bonds, replacing inadequate mains with c.i. mains, pumping plants and reservoirs, etc. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engrs. Noted Aug. 6.

Ont., Leamington — H. J. Heinz Co. plans 600,000 gal. steel water tank.

BIDS DESIRED

N. Y., New York — Dec. 4, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Andrews, Boynton, Bronx River, Edson, Elder, Fetley, Grace Sts., etc., in Bronx boro.

Pa., Phila.—Dec. 1, by Dept. Pub. Wks., Bureau of Water, small pipe lines in streets to be repaved, Contr. 783; 600 wash troughs for Towesdale filter plant, Contr. 787; sand washing machine, Contr. 788; and intake screens for Queen Lane Pumping Station, Contr. 789.

Md., Lansdowne—Dec. 14, by Comrs. Baltimore Co., Court House, Towson, mains, etc., here. A. E. Walden, Towson, ch. engr.; adv. E. N.-R. Nov. 26.

O., Cleveland—Nov. 27, by City, 67 x 113 ft. concrete substructure 4 in. thick for pump house, 125 ft. concrete suction tunnel 10 ft. diam., and concrete screen well, 35 ft. diam. $300,000. A. Levy, c/o L. R. Quayle, City Hall, engr.

O., Cleveland — Dec. 2, by Comrs. Cuyahoga Co., 13,000 ft. 8 and 12 in. c.i. mains in Brecksville, Pleasant Valley and Brookside Rds., Impvt. Dist. 451. F. Williams, Court House, engr.

Ind., Richmond—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Ill., Chicago—Nov. 30, by City, City Hall, approximately 12,000 leather valves for 4½ in. fire hydrants, seven thousand five hundred, ¾- to 2-in. gate valves and 341,000 lb. ¾- to 2-in. lead pipe. A. A. Sprague, comr. Pub. Wks.

Ill., Chicago—Nov. 28, by City, Room 406 City Hall, 2,325 tons 6- to 12-in. c.i. pipe, f.o.b. cars at various City Pipe Yards. A. A. Sprague, comr. Dept. Pub. Wks.

Minn., Clara City—Nov. 30, by Village c/o L. T. Tammen, recdr., deep well pumping equipment.

Tex., Abilene—Taking bids waterworks improvements, incl. 500,000 gal. tank on 100 ft. tower, 43,142 ft. 4- to 10-in. c.i. pipe, etc. O. K. Hobbs, Abilene, engr. Noted Aug. 27.

Okla., Marlow — City, L. W. Pritchett, supt. City Waterworks, taking bids 2 new deep well pumps and motors 100 g.p.m. capacity against 200 ft. head.

Okla., Oklahoma City — Dec. 1, by M. Peshek, Jr., city clk., 40,000 lin.ft. ¾ in. copper pipe, 600 each copper flange corporation and curb cocks, 200 copper flanges, etc. for waterworks. $28,000. C. E. Bretz, Oklahoma City, engr.

Calif., Cloverdale—Taking bids 1,180 ft. 8 in., 2,350 ft. 6 in. and 3,000 ft. 4 in. Class "B" c.i. and 2,350 ft. ¾ in. galvanized iron pipe, fittings, etc.

Calif., Sunnyvale—City Clerk taking bids and opens same about Dec. 7, 15,535 lin. ft. 4 in. and 1,150 ft. 6 in. c.i. pipe, fifty 4 in. and four 6 in. gate valves, also 10,000 lb. special fittings. C. C. Kennedy, Call Bldg., San Francisco, engr.

New Zealand, Auckland—Jan. 21, by City Engineer, filtration plant, etc., for water supply.

BIDS RECEIVED

Md., Baltimore—Bd. Awards, Nov. 18, 375 tons 12 in., 500 tons 16 in. and 2,100 tons 20 in. c.i. pipe and fittings to Bureau Water Supply, from R. D. Wood & Co., 400

Summary of Bids Desired will be found on page 309.

Chestnut St., Phila., Pa., $202,873. Noted Nov. 12.

O., Cleveland — Comrs. Cuyahoga Co., 9,720 ft. 6 and 8 in. c.i. mains in Brook Park and Broadview Rds., Impvt. 85, from F. Hadded, Davis & Farley Bldg., $25,755; 6,100 ft. 6 and 8 in. c.i. mains in East 154th St. south of Miles Ave., Impvt. 566, from Curro & Whittaker, 12208 Mayfield Rd, $15,848; 4,560 ft. 6 and 8 in. c.i. mains in Lotus, Emery and East 142nd St., Impvt. 568, from A. Marra Co., Ulmer Bldg., $18,296; and 4,000 ft 12 in. c.i. mains in Wooster Pike, from Sprague & Burkhardt, 11811 Browning Ave., $18,760.

Calif., Paso Robles — City Council, Nov. 2, 3 m.g. concrete lined reservoir, 13,000 cu.yds. excav., 31,400 sq.ft. gunite lining, 50 ft. 4 in. and 150 ft. 20 in. c.i. pipe, 31,000 sq.ft. timbered roof, etc., from J. F. Shephardson, Bakersfield, $16,584; water supply line, from W. J. Tobin, 527 Santa Ray Ave., Oakland, Class "B" c.i. pipe $22,875, centrifugal c.i. pipe $22,141. Noted Oct. 22.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Battery, Central, Euclid and Narrows Sts., etc., to Knight & De Micco, Inc., 448 East Tremont Ave., New York City, $16,800; also in St. Nicholas Ave., etc., to Wataga Contg. Co., 308 Lenox Ave., New York City, $14,800. Noted Nov. 19.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, New York City, mains in Augusta, Cheves, Clove and Cromwell Sts., etc., here, to N. De Stefano & L. Vignola, 257 Glenn Ave., Tompkinsville, $20,787; also in Richmond Turnpike, Bay and Canal, etc., to Wataga Contg. Co., 308 Lenox Ave., New York City, $47,264. Noted Nov. 19.

N. J., Spring Lake—Dec. 7, D. H. Hills, mayor, Council Chamber, cross-compound, 2 stage, air compressor, one or more artesian wells, etc. J. L. Sweigard, 1120 Lincoln Bldg., Phila., Pa., engr.; adv. E. N.-R. Nov. 26.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, switchboard and wiring for Oak Lane Pumping Station, Contr. 779, to Ross Electrical Constr. Co., 106 Fairmount Ave., $12,100; 2,000 tons 6- to 12-in. c.i. mains in various streets, Contr. 781, to M. and J. B. McHugh, 892 North Markoe St., $282,803; and 50,000 lb. piglead, Contr. 782, to United Lead Co., 226 South 5th St., $5,175. Grand total $300,078. Noted Nov. 19.

La., Kenner — Two oil pumping units, 45,400 ft. 2- to 8-in. c.i. pipe, 100,000 gal. tank on tower, and 300,000 gal. concrete reservoir, to Caldwell Bros., 816 Howard Ave., New Orleans, $104,500. Noted Nov. 12.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 6,100 ft. 6 and 8 in. c.i. mains in East 154th St., Impvt. 56, to Curro & Whittaker, 12,208 Mayfield Rd., $15,848; mains in Lake Rd. (Bay Village), Impvt. 1050, to Sprague & Burkhart, 11811 Browning Ave., $142,630; and 9,720 ft. 6 and 8 in. c.i. mains in Brookpark and Broadview Rds., Impvt. 303, to F. Hadded, Davis & Farley Bldg., $25,755. Grand total $184,233.

Mich., Melvindale—For 14,629 ft. 8- to 12-in. c.i. mains in various streets, to Coolsaet Bros., 12734 Michigan Ave., Detroit, $45,015.

Ill., Aledo—Artesian well 1,240 ft. deep, through St. Peters sandstone formation, to F. M. Gray, Jr. Co., 290 3rd St., Milwaukee, Wis., $11,405. Also plans pump house and pumping equipment after completion and test of well.

Ia., Cherokee—State Bd. Control, Des Moines, 150,000 gal. rein.-con. reservoir, 2 pump houses, 1 deep well pump, piping, etc., for Cherokee State Hospital to Repass Bros., 3832 8th St. Pl., Des Moines, approximately $18,000. Noted Nov. 19.

Neb., Ashton—G. L. Polski, village clk., incl. valves and motors, to Interstate Mchy. & Supply Co., 1006 Douglas St., Omaha, $1,143; pipe line and pump house, to A. G. Hashe, Falls City, $3,400; galvanized pipe, to U. S. Supply Co., 9th and Farnam Sts., Omaha, $1,982; well,

Waterworks (Continued)

pump and motor installation, to E. C. Archibald, Council Bluffs, Ia., $1,845. Grand total $8,370. Noted Oct. 22.

Tex., San Antonio—Water tank, rein.-con. and steel, 1 m.g. capacity, on Hildebrand St., to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $51,500. Noted Oct. 1.

Okla., Blanchard—New waterworks, incl. 18,300 ft. 2- to 6-in. c.i. mains, tank, pump, valves, hydrants, motor, etc., to Sherman Iron Wks., 18 East Main St., Oklahoma City, $22,500. Noted Apr. 16.

Wash., Seattle—Bd. Pub. Wks., concrete lining Volunteer Park Reservoir, to Olympic Constr. Co., 1326 Northlake St., $54,857.

Ont., Crystal Beach — Village, approximately 10 mi. 6 in., etc. c.i. mains in various streets, to Nelson River Constr. Co., Bank of Hamilton Bldg., Toronto, approximately $85,000. Engrs. est. $125,000.

Sewers

PROPOSED WORK

N. J., Collingswood (Ind. br. Camden)—Plans 48 in. storm sewer in 9 streets. $110,000. Remington & Vosbury, 501 Cooper St., Camden, engrs.

N. C., Salisbury — See "Streets and Roads."

S. C., Newberry — Voted $25,000 bonds, sewerage system.

Fla., Perry—See "Waterworks."

O., Alliance—Voted $800,000 bonds, brick, steel and concrete sewers in various streets. G. B. Gascoigne, Leader-News Bldg., Cleveland, engrs.

Mich., Detroit — Dept. Pub. Wks. plans 869 ft. 18- to 24-in. vitr. crock sewers in Lateral Sewer 4487; 1,586 ft. 12- to 18-in. in Sewer 4488; 4,643 ft. 12- to 15-in. in Sewer 4515; 1,275 ft. 15- to 18-in. in Sewer 4518; 1,134 ft. in Sewer 4495, 14,266 ft. in Sewer 4522, 10,595 ft. in Sewer 4523, and 5,098 ft. in Sewer 4524, all above 12- to 24-in. P. A. Fellows, City Hall, engr.

Minn., Calumet—Making plans sanitary sewerage system. $40,000 bonds sold. W. C. Holt, village clk.

Mo., Brentwood (St. Louis P. O.)—Brentwood Sewer Dist., making plans and takes bids about Feb. 1, several mi. 8- to 48-in. vitr. clay and segmental block sewers etc. in various streets. $200,000. Beard Eng. Co., Manchester Ave., Maplewood, engrs.

Mo., Clayton — Northwest Maplewood Sewer Dist., J. Harnage, secy., making plans and soon takes bids 500 cu.yd. rock, 3,000 cu.yd. fire clay and 16,437 cu.yd. earth excav., 1,171 ft. 42 and 48 in. segmental block and 26,340 ft. 8- to 36-in. vitr. clay sewers, 56,336 lb. castings, etc. Approximately $100,000. Beard Eng. Co., Manchester Ave., Maplewood, engrs.

Mo., Marshall—C. D. Alexander, city clk., making preliminary plans sewage disposal plant.

Tex., Abilene—Takes bids after Dec. 1, 75,430 ft. 6- to 24-in. vitr. sewers, etc., in various streets. O. K. Hobbs, Abilene, engr. Noted Sept. 3.

Okla., Frederick—See "Waterworks."

Calif., Orcutt — Plans election $30,000 bonds, sewerage system for Orcutt Sanitary Dist. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engr.

Tex., Wylie—Making preliminary plans complete sewerage system. Bond election soon for same. Total $50,000. Address G. W. Housewright, mayor.

Okla., Purcell—Making preliminary plans sewage disposal plant, 3 mi. sewer extensions in various streets, outfall sewers, Imhoff tanks, etc. $45,000. G. F. Jones, mayor. Engineer not announced.

Calif., Beverly Hills—Municipal Impvt. Dist. 3 plans election $225,000 bonds, sewerage system.

Ont., Toronto—G. G. Nasmith, c/o Gore, Nasmith & Storrie, Confederation Life Bldg., and H. P. Eddy, c/o Metcalf & Eddy, 14 Beacon St., Boston, Mass., engrs., making plans sewage disposal plant for North Toronto. $1,000,000. R. C. Harris, city engr. Noted Nov. 5.

BIDS DESIRED

N. Y., Long Island City—Nov. 30, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., constructing sewers in 47th Ave. (Franklin St.), 70th (Ramsey) St., and in 127th and Kimball Pls.; also high level sewer in 51st St.

N. J., Little Falls — Dec. 21, by Twp. Com., Municipal Bldg., extending sewerage system in various streets. H. J. Harder, 129 Market St., Paterson, engr.; adv. E. N.-R. Nov. 26.

N. J., New Brunswick—Nov. 30 (extended date), by North Brunswick Twp. Com., E. Applegate, chn., Parsons School, 24,381 ft. 6- to 15-in. vitr. sewer in various streets, sewage treatment plant, etc. R. P. Wilson, 46 Paterson St., engr. Noted Oct. 22 under North Brunswick.

Fla., West Palm Beach—Dec. 8, by City Comn., storm and sanitary sewers in North Borough, Sewer Dist. 9, Contr. 9A. T. B. Henry, city engr.; adv. E. N.-R. Nov. 26. This corrects report in Nov. 19 issue.

Wis., Wauwatosa—Dec. 11, by Bd. Pub. Wks., A. V. Brigham, secy., 2,670 lin.ft. 12- to 42-in. concrete storm and 2,540 ft. 8 in. vitr. sanitary sewers, etc., in East North, 3rd and 4th Aves. J. E. Lowther, City Hall, engr.

Ont., Toronto—Dec. 1, by L. W. Archer, clk., 417 Spadina Rd., plans 2,200 ft. 45 in. concrete trunk sewer in Forest Hill. $50,000. James, Proctor & Redfern, 36 Toronto St., engrs.

BIDS RECEIVED

Md., Baltimore—Bd. Awards, Nov. 18, 36,100 lin.ft. 6- to 24-in. vitr. terra cotta pipe listed in Material Contr. 56, for Bureau of Sewers, from Pen Mar Co., Munsey Bldg., $24,192. Noted Nov. 12.

Calif., Dos Palos—Dos Palos Sanitary Dist., from E. K. Angle, Dos Palos, vitr. pipe and complete pumping station $26,827 vitr. pipe and pumping station, without pumps and motors $23,736, concrete pipe and complete pumping station $23,827, concrete pipe and pumping station, without pumps and motors $23,736. Noted Feb. 26.

Calif., Los Angeles—From W. F. Peck, 721 H. W. Hellman Bldg., sewer and storm drain in De La Torre Way (Boyle Heights storm Drain System), 2,000 lin.ft. rein.-con. pipe at $1 per lin.ft., 5,000 cu.yd. trenching $0.10, 20,000 lb. reinforcing $0.01, 10,000 ft. asphalt trench surfacing $0.05, 10,000 ft. concrete trench surfacing $.05, 5,000 ft. 6 in. terra cotta sewers $1, 10,000 ft. rock and oil trench surfacing $0.03, etc., total $659,309. Engrs. est. $707,033.

CONTRACTS AWARDED

Conn., New Haven—Sanitary and storm sewers and appurtenances in Alden and McKinley Aves., to Clark-Barone Co., New Haven; in Allston Ave., to W. J. Mulvey, 200 Davenport Ave. Engrs. est. $25,000. Noted Oct. 29.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewers in 158th St., etc., to Awexa Corp., Islip, $740,754; in 158th St., etc., to H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $696,657; in 158th St., etc., to Marino Paino, 32 Court St., Brooklyn, $75,594; sewers and grading Polk Ave., to Muccinni & Decker, 6102 18th Ave., Brooklyn, $35,986. Grand total $1,548,901. Noted Nov. 19.

Ala., Birmingham — See "Streets and Roads."

O., Cleveland—Cuyahoga Co., 1010 ft. 4 in. segmental block sewers in (Impvt. Dist. 303) S. O. M. Center Rd., to Curro & Whittaker, 12208 Mayfield Rd., $33,254. Noted Oct. 22.

Ill., Chicago—See "Streets and Roads."

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., 200 x 300 ft. pump and blower house, 90 ft. high, brick, stone and steel, for North Side Sewage Treatment plant, to J. Griffiths & Son Co., 112 West Adams St., $3,125,000. Noted July 9.

Calif., Los Angeles — Bd. Pub. Wks., sewers in Grace Ave. and in Acacia St., to J. M. Derenia, 237 West 83rd St., $1,250 and $775 respectively; in 79th St. and Manlo Ave., to J. Mullarkey, 418 North Figueroa St., $43,112 and $18,342 respectively; in Mariposa Ave. to J. Brkich, $1,140; in Virgil Ave., to J. Artukovich, 614 North Bunker Hill Ave., $652; and in Hub St., to E. M. LeBaron, Inc., $90,701. Grand total $155,972. Noted Sept. 10.

Calif., Los Angeles — Los Angeles Co. main trunk disposal sewer, at Compton Sanitation Dist. 1, to J. Artukovich, 626 North Bunker Hill Ave., $116,871; and Montebello Trunk Sewer, Sanitary Dist. 2, to O. K. Hearte, 1530 Paloma St. (vitr. pipe) $27,809.

Calif., Paso Robles — Septic tank and sewage disposal plant, etc., to W. Lane, San Luis Obispo, $31,595; outfall sewer and connecting sewer lines, to Chambers & DeGolyer, Bacon Bldg., Oakland, $25,171.

Ont., Toronto — City Council, to A. Cavotti, 257 Euclid Ave., vitr. tile sewers in Jedburgh Rd. $2,256, lane near Grenville St. $850, Mt. Pleasant Rd. Sects. E and D, $4,772; to A. E. Jupp Constr. Co., 170 Berkeley St., Metheun Ave. $385, and Glen Manor Dr. $4,200; to W. E. Taylor, 22 Falcon St., portion Glen Manor Dr. $5,452, Winthrope Rd. $1,697, Beaufort Rd. $667, Cavendish St. $1,167, Weller St. $653, Victoria Park Ave. $2,775, and Mt. Pleasant Rd. Sects. A and B $14,787; to Ruscica Bros., 84 Woodycrest Ave., lane north of Simpson Ave., Howland Rd. and Victor Ave. $1,142; to P. Licastro & Co., 423 Dufferin St., Mt. Pleasant Rd., Sects. C and B $14,824, to Grant Contg. Co., 5 Front St. E., Tain Ave. $1,190. Grand total $56,817.

Ont., Toronto — York Twp., to Ruscica Bros., 84 Woodycrest Ave., sewers in Hinchings Ave. $7,082, Silverthorn Ave. $[illegible], Stubbins, Daisy, Jillson, Willard and Priscilla Aves. $9,988, and Beresford Ave. and Durie St. $20,857; to Murphy Contg. Co., 8 Wychwood Park, French Ave. $2,[illegible], Robina and Vimy Ridge Aves. $5,945; to Mitchell Contg. Co., 55 Greenside Ave., Willard, Hanley, Winfield and Priscilla Aves. $7,592; to W. E. Taylor, 22 Falcon St., Arlington Ave. $4,027, and Westmount Ave. $3,147. Grand total $61,737. Noted Oct. 1 and 22.

Waste Disposal

PROPOSED WORK

N. J., Asbury Park — Neptune Twp. Health Bd. plans incinerator. $100,000. Engineer not selected. J. Boyce & G. Leigh, Asbury Park, com. in charge.

CONTRACTS AWARDED

S. C., Spartanburg—City, incinerator, to Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., $39,825.

Bridges

PROPOSED WORK

Ga., Atlanta — City Council Special Bridge Com. and Georgia Railway & Power Co., 75 Mitta St., plan viaducts on Pryor St. and Central Ave. from Decatur to Hunter Sts., Leveling Alabama St. from Whitehall to Central Ave. with surface of new viaducts and 40 ft. second level to Wall St., also lowering 6 ft. in grade of railroad lines. $1,400,000. F. W. Schultz, Chamber of Commerce Bldg., Memphis, Tenn., engrs. Noted Aug. 27.

Tenn., Loudon—Loudon Co. plans election $100,000 bonds, bridge over Tennessee River. Will probably be built in cooperation with State Dept. Highways & Pub. Wks., Nashville.

Ill., Belleville—St. Clair Co. making preliminary plans rein.-con. bridge over Silver Creek, on Freeburg-Fayetteville Rd. $25,000. D. Thomas, Court House, supt.

Kan., Seneca—See "Streets and Roads."

Missouri — State Hy. Dept., Jefferson City, rejected bids Oct. 30, concrete and steel bridges in Butler, Clark, Dent, Iron, Laclede, Lincoln, Texas and Washington Counties. B. H. Piepmeier, ch. engr. Noted Nov. 12.

Tex., Huntsville — See "Streets and Roads."

Tex., Sweetwater — See "Streets and Roads."

Mexico and Texas — Bertanzo-Creager Co., Mexico City, Mexico, plans 2 steel and rein.-con. bridges over Rio Grande, one from Matàmoras, Mexico, to Brownsville, Tex., and other from Reynose, Mexico, to Hidalgo, Tex. $150,000 each. Mexican Government, Mexico City, appropriates toward cost.

BIDS DESIRED

North Carolina — See "Streets and Roads."

North Carolina — Dec. 22, by State Hy. Dept., Raleigh, rein.-con. bridge on Project 203, Carteret Co., $500,000; and rein.-con. and creosoted timber bridge on Project 109-B, Chowan Co., $525,000. C. M. Upham, Raleigh, engr. Noted Nov. 12.

North Carolina — Dec. 8, by State Hy. Dept., Raleigh rein.-con. bridges and culverts on Project 755, Stokes Co., $50,000; and on Project 348, Cumberland Co., $26,000. C. M. Upham, highway engr.

La., Monroe—Dec. 1, by State Hy. Comn., Baton Rouge, repairing Monroe Traffic Bridge, on State Aid Project 159, Sect. R, Ouachita Parish, here. W. B. Robert, highway engr.

Ont., Toronto—Nov. 30, by T. T. Irving, terminal engr., Canadian Natl. Rys., New Union Sta., for Don River Bridge, concrete and steel, and Eastern Ave. and Queen St. subway, for Canadian Natl. Rys. and City of Toronto. $500,000.

CONTRACTS AWARDED

W. Va., Charleston — Bridge over Elk River at Spring St., to Independent Bridge Co., May Bldg., Pittsburgh, Pa., $65,800. Engrs. est. $65,000. Noted Nov. 5.

North Carolina — See "Streets and Roads."

North Carolina — State Hy. Comn., Raleigh, rein.-con. bridges on Project 347,

Bridges (Continued)

Cumberland Co., to Kuehn, Engelhardt & Thomas, Franklinton, $30,213. Noted Oct. 1.

Ky., Ch—State Hy. Dept., Frankfort, substructure and superstructure for three 190 ft. and one 70 ft. steel span bridge over Levisa Fork, Federal Aid Project 133-B, Floyd Co., here, to Farris Bridge Co., 3rd Natl. Bank Bldg., Cumberland, Md., $35,-293 and $59,049 respectively. Noted Oct. 22.

Ohio—Dept. Highways & Pub. Wks., Columbus, to Elsass-Myer Co., Anna, through arch bridge over Portage River on Sect. "E-1" Bowling Green-Findlay Rd. $10,776, bridge over same river on Sect. "E-1 Bridge" same road at Merrill $19,300, concrete beam bridge over Grassy Creek, on Sect. "F Bridge" Bowling Green-Perrysburg Rd. $6,159, and concrete arch bridge over Rocky Fork River on Sect. "F-2" Green-Findlay Rd. $11,904, all in Wood Co. Noted Oct. 15.

O., Cincinnati — Director Pub. Serv., 1 span 170 ft. steel truss bridge on Mitchell Ave., 15 tons 100 A.R.A. track rails, 104.6 tons reinforcing, 4,200 ft. wooden piling, etc., to Foley Constr. Co., 3209 Boudinot Ave., $114,075. Engrs. est. $136,000. Noted Nov. 5.

Ill., Chicago — South Park Comrs., 57th St. and Cottage Grove Ave., foundation, abutments, pier and steel work (exclusive of concrete encasing and concrete deck) for 2 span 150 ft. girder type bridge, 70 ft. roadway, two 15 ft. sidewalks, etc. at 39th St. and Lake Shore also removing bulkhead at bathing beach 1,000 ft. long, 14th St. and Lake South of Grant Park, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., $134,000 and $60,000 respectively. Noted Sept. 17.

Kan., Kingman—Kingman Co., one 18 x 30 ft. and one 10 x 30 ft. deck girder bridges on Federal Aid Project 245-A, to Missouri Valley Bridge & Iron Co., 1006 Schweiter Bldg., Wichita, $58,000; also grading, etc., 1.004 mi. same road, to R. Schultz, 135 North Poplar St., Wichita, $22,000. Noted Oct. 22 under "Streets and Roads."

Kan., Topeka—Rein.-con. and steel bridge and 2 supporting piers over Shunganun Creek, at Chandler St., to F. Luttjohann, 2053 Kansas Ave., $27,250.

Missouri — State Hy. Dept., Jefferson City, to Richmond Constr. Co., Advance, one 16 ft. and two 14 ft. rein.-con. slab spans, etc., over Rogdons Slough $4,898, one 18 ft. and two 16 ft. rein.-con. slab spans, etc., over Varney River D. D. $5,430, also one 24 ft. and two 20 ft. rein.-con. slab spans, etc., over drainage ditch $6,699, all foregoing in Dunklin Co.; to Finley Constr. Co., Nebraska City, Neb., one 45 ft. rein.-con. deck girder and four 16 ft. rein.-con. slab spans, etc., over Chicago & Alton R.R. tracks, Howard Co., $9,339; to R. L. Williams, Charleston, three 24 ft. I-beam spans, etc., over D. D. 23, Mississippi Co. $5,978; to Pittsburgh-Des Moines Steel Co., Tuttle and South West 10th Sts., Des Moines, Ia., thirty-one 20 ft. I-beam spans, etc., over St. Francois River, Dunklin Co. $24,729; to Pioneer Constr. Co., Kansas City, five 80 ft. steel truss spans, etc., over Middle Fork Black River, Reynolds Co. $35,846; and to H. A. Worman, Pittsfield, Ill., two 10 ft. rein.-con. slab spans, etc., over stream, Madison Co., $2,238. Grand total $95,157. Noted Nov. 12.

Tex., Georgetown — See "Streets and Roads."

Tex., Houston—City and Harris Co., c/o O. F. Holcombe, mayor, 1 single bascule steel span bridge across Houston Ship Channel, near 69th St., to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., $322,000. Engrs. est. $350,-000. Noted Nov. 5.

Tex., Kaufman—See "Streets and Roads."

Dams

PROPOSED WORK

Wis., Stevens Point — Wisconsin River Paper & Pulp Co., Route 1, making plans replacing with concrete, present wooden dam, 1,000 ft. long, 22 ft. high on Wisconsin River, 3 mi. south of here. Orbison & Orbison, 110 West College Ave., Appleton, engrs.

Okla., Wagoner—C. Page, Sand Springs, plans 1,200 ft. dam, 50 ft. high across Illinois River, incl. hydro-electric plant, Adair Co. $250,000. C. Tingley, Sand Springs, engr.

Railways

PROPOSED WORK

Illinois — Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, plans 4.5 mi. railway from Streator-LaSalle branch to Lowell, southwest of Ottawa. $100,000. C. L. Persons, ch. engr.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Tex., Freeport—Brazoria Co. Navigation Dist., election Dec. 4, creating navigation district and $1,000,000 bonds developing deep water in Brazoria Co. and west of Chocolate Bayou. Total $1,500,000. Government appropriates $500,000 towards cost. Address County Judge. Noted Nov. 19.

Tex., La Feria—Election soon $300,000 bonds drainage ditches for approximately 40,000 acres, for La Feria Water Impvt. Dist., c/o W. H. Steffins. H. E. Snow, La Feria, engr.

Calif., San Francisco — See "Unclassified."

BIDS DESIRED

Ind., Richmond—Dec. 15, by Richmond City Waterworks, excavating by trench machine 12,000 ft., 30 in. wide, 5 ft. deep, and 6,500 ft. 24 in. wide, 5 ft. deep; adv. E. N.-R. Nov. 26.

Minn., Minneapolis — Dec. 9, by A. P. Erickson, aud. Hennepin Co., constructing Ditch 40, incl. 1 pump house, two 1,000 g.p.m. vertical centrifugal pumps with motors, one 8,000 g.p.m. horizontal pump with engine alternate, one 15,000 g.p.m. pump with engine, 7,840 cu.yd. excav., 97,057 lin.ft. 5-36-in. drain tile with bulkheads, gates, etc. $15,000. G. R. B. Elliott, 706 1st Ave. N., engr.

CONTRACTS AWARDED

N. Y., New York — M. Cosgrove, comr. Docks, Pier "A," ft. Battery Pl., dredging at Pier 84, North River, Contr. 1866, to Morris & Cummings, 17 State St., $38,-466. Noted Nov. 19.

W. Va., Weirton—Weirton Steel Co., 610 ft. concrete loading and unloading dock, ice breakers and 36,000 cu.yd. dredging for harbor, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa.

Ind., Indianapolis—See "Unclassified."

Ia., Council Bluffs—See "Buildings—Commercial under "Proposed Work."

Calif., Long Beach—Dredging 566,800 cu. yd. in Long Beach Harbor, to United Dredging Co., Central Bldg., Los Angeles, approximately $288,395. Noted May 28.

Calif., Los Angeles—To W. E. Callahan Constr. Co., 830 California Bldg., widening and deepening channel and levee work, 400,000 cu.yd. excav. at $0.125 per cu.yd., total $50,000. Engrs. est. $60,000.

Ont., Gilford — Gwillimbury and King Twps. and Village of Brandford, draining, reclaiming, constructing dykes, etc. part of Holland River Marsh, to Cummings & Robinson, 70 Lombard St., Toronto, $137,-000. Engrs. est. $150,000.

Streets and Roads

PROPOSED WORK

N. J., Hopewell — Mercer Co. (Trenton) plans penetration macadam paving 1 mi. Hopewell-Oxford Rd., here. $37,000. H. F. Harris, Court House, Trenton, engr.

N. J., Yardville—Freeholders Mercer Co. (Trenton) plan bitulithic concrete paving 3½ mi. Yardville-Allentown Rd., here. $132,000. H. F. Harris, Court House, Trenton, engr.

Pa., Phila.—See "Unclassified."

N. C., Salisbury—Plans to issue $295,000 bonds, $230,000 for street paving, balance for water and sewer works.

S. C., Newberry — Voted $75,000 bonds, improving various streets.

Ga., Tifton — Election Dec. 10, $70,000 bonds, paving various streets.

Fla., Monticello—Making plans grading and paving various streets. $182,000. H. S. Jandon Eng. Co., Eustis, engrs.

Fla., Ocala — Marion Co. election Dec. 15, $4,550,000 bonds, for additional good roads. J. W. Walker, Ocala, engr.

Fla., Tampa — Hillsborough Co. voted $1,350,000 bonds, paving 89 mi. various roads in Dist. 5. W. A. Dickenson, clk.

Miss., Shelby — Voted $50,000 bonds, grading, curbing and concrete surfacing Main St., and asphalt and gravel surfacing various other streets.

Tenn., Sevierville—Sevier Co. plans election $100,000 bonds, improving Sevierville-North Carolina State line Rd.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids early in 1926 grading, curbing, sidewalks and vitr. brick on 6 in. concrete surfacing 5,925 sq.yd. Berwin Ave. et al., $47,700. E. A. Kemmler, Delaware Bldg., engr.

Mich., Detroit—Plans 3½ in. sheet asphalt on 8 in. concrete paving 5,440 sq.yd. Exeter Ave. $23,860, 3,820 sq.yd. Charlemagne Ave. $16,780, 5,350 sq.yd. Commer Ave. $23,490, 3,660 sq.yd. Lenox Ave. $16,120, 8,350 sq.yd. Kendall Ave. $36,830, 1,140 sq.yd. Lambert Ave. $5,030, and 1,130 sq.yd. Pittsburg Ave. $5,780, all foregoing 30 ft.; 585 sq.yd. Cresswell Ave. $2,590, 1,490 sq.yd. Lenman Ave. $6,550, 3,160 sq.yd. Marcus Ave. $13,-860, 2,150 sq.yd. Burlingame Ave. $9,490, 5,300 sq.yd. Girardin Ave. $23,260, 1,430 sq.yd. Brush St. $6,300, 4,100 sq.yd. Carmen Ave. $18,028, 1,840 sq.yd. Carrie Ave. $8,100, 3,980 sq.yd. Fredro Ave. $17,500, 1,870 sq.yd. Halleck Ave. $8,230, 3,360 sq. yd. Armour Ave. $14,830, all foregoing 28 ft.; 5,950 sq.yd. Mapleridge Ave., 30 and 36 ft., $26,320; 2,600 sq.yd. Hasse Ave., 28 and 30 ft., $11,430. P. A. Fellows, City Hall, engr.

Ill., Galesburg—Making plans grading, curbing, vitr. brick on concrete paving approximately 5 mi. various streets. $500,-000. A. L. Richey, City Hall, engr.

Ill., Lincoln—Plans grading, curbing and brick and concrete paving 3.5 blocks Keokuk St., 3 blocks Burlington St., 5 blocks Logan St., 2 blocks Sangamon St., 11 blocks 3rd St., and 4 blocks State St. $100,000. E. Tobin, City Hall, engr.

Ill., Rockford—Making plans widening, grading, curbing and paving, etc., 2 mi. Wyman St. between Chestnut St. and Park Aves., 22 ft., brick $92,000, warrenite $75,000. B. C. Harvey, City Hall, engr.

Wisconsin—State Hy. Dept., Madison, plans improving roads from State Trunk Highway to Southern Colony and Training School $25,000 and State Trunk Highway 113 to Memorial Hospital at Mendota $18,000; roads in Peninsula Park $3,500, Interstate Park $1,500, Northern Forest Park $3,600, Devils Lake Park $1,200, Dewey Park $500, also Tower Hill and Cushing Memorial Parks $300. J. T. Donaghey, highway engr.

Wis., Superior—Dougals Co., C. Hanson, highway comr., plans during 1926, grading 2 mi. N. P. Johnson Rd., $7,000, grading and gravel surfacing 4 mi. Lake Shore Rd., $15,000; gravel surfacing 4 mi. State Trunk Highway 13, $10,000, and 2 mi. State Trunk Highway 35 $2,500; also widening and gravel surfacing 4 mi. Bardon Ave. $10,000.

Minn., Minneapolis—Hennepin Co. making plans grading Forest Lake cutoff between Lowry Ave. and State Rd. 1, through New Brighton $150,000, and 4 mi. road from Dayton south, $25,000; grading and paving 2.4 mi. Orono cutoff to Minnetonka Beach, $35,000; grading and graveling section of Rockford Rd. $24,000, and Eden Prairie-Edina Rd., $33,000. J. W. Shaffer, Court House, co. surv.

Kan., Seneca—Nemaha Co. soon takes bids grading, etc., 7.386 mi. Federal Aid Project 225-B, 26 ft., incl. 16 ft. slab bridge, 20 ft. wide. E. C. L. Wagner, 609 Kemper Bldg., Kansas City, Mo., engrs. L. T. Price, Court House, co. engr.

Missouri—State Hy Dept., Jefferson City, rejected bids Oct. 30, grading 1.054 mi. road in Vernon Co.; 30 ft. grading 42 mi. roads in Butler, Dent, Laclede, Pulaski and Washington Counties; 18 ft. gravel surfacing 6.14 mi. roads in Clark, Vernon, Texas, Schuyler, Iron and Lincoln Counties. B. H. Piepmeier, ch. engr. Noted Nov. 19.

Ark., Augusta — Making preliminary plans grading, curbing and concrete surfacing 2 blocks and gravel surfacing 30 blocks various streets. $25,000.

Tex., Carthage—Panola Co. making plans improving about 9 mi. Highway 64 from Carthage to Louisiana State line. $97,500. D. E. Martin, Carthage, engr.

Tex., Dublin—Voted $40,000 bonds paving various streets. Elrod Eng. Co., Elks Bldg., Sweetwater, consult. engrs. Noted Oct. 15.

Tex., Haskell—Haskell Co. voted $100,-000 bonds hardsurfacing Road Dist. 4 J. G. Foster, Haskell, judge. Noted Oct. 29.

Tex., Huntsville — Walker Co. making plans grading and bridging 17 mi. Huntsville-San Jacinto Co. line Rd. $100,000. D. K. Caldwell, Huntsville, engr.

Tex., Muleshoe—Bailey Co., election soon $250,000 bonds hardsurfacing 18 mi. Highways 7 and 23, 18 ft. Total $500,000. State and Federal Aid appropriate $250,-000 toward cost. W. G. Kennedy, Muleshoe, judge.

Streets and Roads (Continued)

Tex., Olton—Lamb Co. plans hardsurfacing Highways 7 and 28 through Lamb Co. $600,000. State and Federal Aid appropriate $300,000 toward cost. Address E. N. Burrus, Olton, judge.

Tex., San Angelo—Takes bids after Dec. 10, permanent paving 10 blocks various streets. $80,000. C. E. Starkle, city engr. Terrell Bartlett Engineers, 512 Calcasieu Bldg., San Antonio, engrs. Noted July 23.

Tex., Sweetwater — Nolan Co. making plans grading, bridging and 1 in. bituminous on crushed stone surfacing 9.1 mi. State Highway 7, Roscoe to Scurry Co. line, 18 ft. $156,000. J. A. Focht, Sweetwater, engr.

Tex., Tulia—Making preliminary plans permanent paving 16 blocks business streets. $90,000. Devlin Eng. Co., 100 Central Bldg., Amarillo, engr. Noted Sept. 3.

Tex., Waxahachie—Election soon $30,000 bonds 4 in. rock asphalt paving City Square. Address Mayor.

Tex., Wichita Falls — Voted $100,000 bonds paving viarious streets. F. M. Rugely, city engr. Noted Oct. 29.

Oklahoma—State Hy. Dept., Oklahoma City, made preliminary plans grading and paving 74 mi. roads in Caddo Co., 30 ft. $600,000 bond election soon for same. J. M. Page, highway engr.

Okla., Chandler — Lincoln Co. making preliminary plans grading and paving 60 mi. various roads, 30 ft. $600,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Enid—Plans grading, curbing and concrete surfacing 13,500 sq.yd. various streets in residential district. $42,500. F. C. McGruder, Enid, engr.

Okla., Frederick—Making plans grading, curbing and sheet asphalt paving 5,900 sq. yd. North 13th St. $28,800. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Norman—Plans grading, curbing and concrete surfacing 8,100 sq.yd. McCulloch St., $26,000; and 32,400 sq.yd. Castro, Parsons, Chautauka and Elm Sts., $90,000. F. Cobb, Norman, engr.

Okla., Oklahoma City — Plans grading, curbing, sidewalks, widening and sheet asphalt surfacing 5,200 sq.yd. Bway. $28,000, and 4,600 sq.yd. 10th St. $41,315; also grading, curbing and sheet asphalt surfacing 6,600 sq.yd. Indiana, Lake, McKinley, 38th, 42nd and 44th Sts., $34,675. B. M. Hart, City Hall, engr.

Okla., Pawnee—Pawnee Co. making preliminary plans grading and paving 50 mi. various roads, 30 ft. $400,000 bond election in spring for same. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Ponca City—Making plans grading, curbing and vertical fibre brick paving 6,100 sq.yd. Chestnut St. between 7th and 10th Sts. $25,000. E. A. Jones, Ponca City, engr.

Okla., Ralston — Making preliminary plans grading and concrete paving, etc. 11,000 sq.yd. Main Ave. $33,000. Address, R. S. Jarrell, mayor.

Okla., Stillwater—Payne Co. making preliminary plans improving 60 mi. various roads, 30 ft. $500,000 bond election in spring for same.

Nev., Reno—Plans paving 65 blocks various streets in Wards 1, 2, 5 and 6. To exceed $25,000. H. Chism, city engr.

Calif., San Francisco—State Bd. Harbor Comrs., Ferry Bldg., made plans improving China Basin Terminal, 99,000 sq.ft. 1½ in. and 14,250 sq.ft. 1 in. Topeka surfacing, 22,500 sq.ft. asphalt and fabric waterproofing. F. G. White, Ferry Bldg., ch. engr.

Calif., Santa Cruz—Making plans grading, curbing, sidewalks, and 6 in. concrete paving Pacific Ave. between Post Office Plaza and Monterey Bay, to exceed $25,000; also grading, curbing, sidewalks and 5 in. concrete paving 85,949 sq.ft. Bway. between Ocean View and South Branciforte Aves. J. K. James, city engr.

Ont., Toronto—Plans asphalt on concrete paving Lascelles Blvd., $13,053; asphalt surfacing Cowan Ave. $20,543, and Close Ave. $8,816; concrete sidewalks on Pacific Ave. $1,477, Lawlor Ave. $513, Edna Ave. $1,228, and Strathmore Blvd. $1,203. R. C. Harris, city engr.

BIDS DESIRED

N. Y., New York—Dec. 1, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., grading, curbing, etc., Rochambeau, Wallace, Rosedale, Holland and Hering Aves., and sewer in Hone Ave.

North Carolina — Dec. 8, by State Hy. Comn., Raleigh, topsoiling, sand clay gravel or grading roads in Cumberland Co.; hard surfacing roads in 7 counties, also structures in Stokes Co. C. M. Upham, highway engr.; adv. E. N.-R. Nov. 26.

Fla., Tampa — Dec. 8, by City Comn., grading, granite curbing and 2½ in. asphalt block paving 8,000 sq.yd. various streets. $25,000.

Miss., Grenada — Dec. 10, by Supervs. Grenda Co., grading and gravel surfacing, etc. 19.5 mi. Grenda-Calhoun City Rd., 18 ft. H. C. Dietzer, Jackson, engr.

La., Gretna — Dec. 23, by Police Jury Jefferson Parish, grading and hard surfacing 3.66 mi. Metairie Ridge-Shrewsbury Rd. F. T. Payne, Jefferson Bank Bldg., engr.

La., Homer—Dec. 2, by Mayor and Bd. Aldermen, grading, curbing, guttering and 6 in. rein.-con. paving 4,979 sq.yd. various streets. Charles & Evans, Shreveport, consult. engrs.

O., Cincinnati—Nov. 30, by Director Pub. Serv., concrete repaving, etc. 9,550 sq.yd. Daytonia Ave. from Boudinot to Glenemore Aves., F. Krug, City Hall, engr.

Tex., Bay City—Dec. 2, by P. Thompson, mayor, graveling and asphaltic concrete paving 13,204 sq.yd. various streets, incl. 2,968 cu.yd. earth, gravel and shell removal. $35,000. E. N. Gustafson, Bay City, engr.

Tex., Calvert — L. Acker, engr. Nacogdockes, taking bids permanent paving 16 blocks various streets, here, for City. $40,000. Noted Oct. 7.

Tex., McKinney—Dec. 14, by A. M. Wolford, judge Collin Co., grading, gravel surfacing, etc., 13.9 mi. State Highway 39, 16 ft., State Aid Project 629. $90,000. F. W. Cawthon, McKinney, engr. Noted Sept. 3.

BIDS RECEIVED

N. Y., Long Island City—Park Bd., Arsenal Bldg., 64th St. and 5th Ave., New York City, Nov. 19, improving Shore Rd. in Astoria Park, here, from Connor Bros.,

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., Oct. 6, for Sect. No. 4, Route No. 102, along and under 8th Ave. from West 38th to West 47th Sts. (lowest four and highest), (A) C. H. Locher, 149 Broadway (awarded contract); (B) Rosoff Subway Construction Co., 331 Madison Ave.; (C) Heyman & Goodman, 236 West 116th St.; (D) S. B. Mason, 16 West 60th St.; (E) P. McGovern, 50 East 42nd St. The unit bids are as follows:

	A	B	C	D	E
132,000 cu.yd. earth excavation, disposal any place	$12.85	$12.00	$41.50	$12.40	$18.50
15,000 cu.yd. earth excavation, sewers, etc., disposal any place	12.85	12.00	16.50	12.40	18.50
155,000 cu.yd. rock excavation, disposal any place	12.85	16.20	14.50	16.80	18.50
16,000 cu.yd. rock excavation, sewers, etc., disposal any place	12.85	16.20	16.50	16.80	18.50
29,000 cu.yd. concrete masonry	22.20	24.00	24.00	24.00	26.00
230,000 sq.ft. rubbing of concrete	.15	.15	.12	.14	.10
4,600 cu.yd. protective concrete masonry	22.20	24.00	24.00	24.00	26.00
700 cu.yd. rubble stone masonry	12.00	15.00	20.00	12.00	14.00
10 cu.yd. dry rubble masonry	11.00	12.00	25.00	9.00	14.00
150 cu.yd. brick masonry	40.00	42.00	40.00	45.00	50.00
120 cu.yd. removal and disposal old masonry	75.00	30.00	100.00	50.00	20.00
100 sq.yd. vitrified brick lining for sewers	7.50	7.00	5.50	7.00	7.00
20 cu.yd Holland terra cotta brick or tile, masonry anything	55.00	45.00	40.00	45.00	50.00
100 bbl. grout of Portland cement	8.00	6.00	6.00	8.00	2.00
10 sq.yd. resurfacing old concrete masonry	7.50	2.00	2.00	2.00	2.00
200 sq.yd. plaster on hollow tile at D. M.	2.00	2.00	2.00	1.60	2.00
10 cu.yd. broken stone or gravel	6.00	7.00	5.00	6.00	6.00
8,600 sq.yd. waterproofing—one ply	1.50	1.25	1.00	1.20	1.25
22,000 sq.yd. waterproofing—three ply	2.50	3.00	3.00	2.70	3.00
4,500 sq.yd. waterproofing—five ply	5.00	4.50	5.00	4.20	4.50
200 sq.yd. waterproofing—six ply	6.50	5.50	8.00	5.00	6.00
100 sq.yd. waterproofing—dry ply	1.50	1.00	.60	1.00	1.00
700 cu.yd. one layer brick in mastic	55.00	50.00	50.00	50.00	55.00
10 cu.yd. two layers brick in mastic	54.00	50.00	50.00	50.00	55.00
150 lin.ft. 3 in. C. I. pipe and fittings	1.50	2.00	1.50	1.40	1.25
100 lin.ft. 4 in. C. I. pipe and fittings	2.00	2.50	2.00	2.00	1.50
1,500 lin.ft. 6 in. C. I. pipe and fittings	2.00	3.00	3.00	2.80	2.50
3,500 lin.ft. 8 in. C. I. pipe and fittings	3.00	4.00	4.00	4.00	3.00
100 lin.ft. 10 in. C. I. pipe and fittings	5.00	5.00	7.00	5.00	6.00
100 lin.ft. 3 in. galvanized steel pipe	2.00	2.00	2.00	1.60	1.25
100 lin.ft. 4 in. galvanized steel pipe	2.00	2.50	3.00	2.00	1.50
100 lin.ft. 6 in. galvanized steel pipe	2.00	3.50	4.00	3.25	3.00
80 lin.ft. 8 in. galvanized steel pipe	5.00	5.00	6.00	5.00	4.00
50 lin.ft. 10 in. galvanized steel pipe	6.00	7.00	8.00	7.00	6.00
136,000 ductile ft. tunnel ducts	.31	.30	.35	.28	.30
23,000 ductile ft. railroad ducts	.40	.60	.40	.32	.30
200 cond. ft. 3 in. fibre conduits	.45	.50	.50	.32	.30
5,500 ton riveted steel, painted and erected	120.00	135.00	140.00	125.00	150.00
3 ton cutting, removal and disposal of old steel	200.00	80.00	200.00	200.00	50.00
3 ton arch st. and iron—stairs, ladders, etc	430.00	400.00	400.00	400.00	400.00
400 sq.ft. b-siding, doors, steel panels	6.00	6.00	6.50	6.00	6.00
2 exit covers	455.00	500.00	500.00	600.00	600.00
600 ton steel rods and bars built in concrete	110.00	120.00	140.00	115.00	100.00
25 ton miscellaneous iron castings	200.00	240.00	200.00	200.00	200.00
5,000 lb. special wire forms	.30	.26	.30	.30	.25
4,000 lin.ft. 1¾ in. oak or ash handrail	.80	.60	1.50	.50	.60
5,200 sq.ft. steel gratings for ventilation	4.00	5.00	4.50	4.00	4.00
10,000 sq.yd. sidewalk restoration	3.00	3.00	3.00	3.25	2.00
8,400 sq.yd. street repavement—asphalt	4.00	5.00	5.00	6.50	4.50
2,500 sq.yd. street repavement—granite block	4.00	5.00	6.00	4.25	8.00
4,300 sq.yd. street repavement—Belgian block	5.00	4.50	6.00	4.25	7.00
100 lin.ft. 6 in. bluestone curb	3.50	3.00	1.00	2.50	2.50
8,700 sq.yd. street repavement—wood block	5.00	5.00	6.00	6.50	6.00
100 lin.ft. new and granite curb	7.00	6.00	8.00	5.50	4.00
400 sq.yd. upper 3 in. of concrete walls	4.00	2.50	4.00	2.00	3.00
22,000 sq.yd. temporary pavement of granite blocks	3.00	2.50	3.00	3.00	4.00

	A	B	C	D	E
22,000 lin.ft. ¾ in. electric conduit in place	.60	.40	.50	.40	.40
50 lin.ft. 1½ in. electric conduit in place	1.00	.60	1.00	.70	.80
12,000 lin.ft. 1 in. electric conduit in place	.70	.50	.80	.45	.60
10 lin.ft. 2½ in. electric conduit in place	3.00	1.00	2.00	1.50	1.50
1,800 C. I. outlet boxes	2.50	2.00	2.00	2.00	2.50
10 C. I. pull boxes 6x6x4 in	7.50	8.00	3.00	6.00	6.00
1 C. I. pull box, 6x12x3 in	15.00	10.00	5.00	10.00	15.00
100 lin.ft. 6 in. c. i. pipe and fittings	3.00	3.00	3.00	4.50	3.00
160 lin.ft. 3 in. c.i. pipe and fittings	3.00	2.00	2.00	2.60	1.50
10 lin.ft. 4 in. c.i. pipe and fittings	5.00	2.50	2.50	3.00	2.50
100 lin.ft. 12 in. vitrified sewer pipe	12.00	8.00	7.00	7.50	10.00
1,900 lin.ft. 15 in. vitrified sewer pipe	12.00	10.00	8.00	8.00	15.00
220 lin.ft. 24 in. vitrified sewer pipe	15.00	12.00	12.00	12.00	18.00
100 ton C. I. (straight) sewer pipe	255.00	140.00	200.00	125.00	160.00
50 ton C. I. (special) sewer pipe	300.00	220.00	300.00	250.00	275.00
700 lin.ft. concrete sewers 3 ft. 6 in. x 2 ft. 4 in	30.00	20.00	22.00	22.50	25.00
800 lin.ft. concrete sewers, 4 ft. 0 in. x 2 ft. 6 in	30.00	22.00	25.00	25.00	30.00
120 lin.ft. concrete sewers 3 ft. 9 in. x 2 ft. 4 in	30.00	21.00	25.00	22.50	27.00
900 lin.ft. concrete sewers 4 ft. 3 in. x 2 ft. 8 in	30.00	24.00	30.00	27.50	30.00
70 lin.ft. concrete sewers 5 ft. 0 in. x 4 ft. 6 in	50.00	40.00	40.00	33.00	65.00
300 lin.ft. concrete sewers 4 ft. 9 in. x 3 ft. 0 in	60.00	28.00	35.00	29.00	31.00
300 lin.ft. concrete sewers 5 ft. 3 in. x 3 ft. 4 in	70.00	35.00	40.00	31.00	38.00
3,200 lin.ft. concrete sewers 6 ft. 9 in. x 7 ft. 9 in	86.00	70.00	65.00	75.00	100.00
5,500 lin.ft. electric rail roads	15.00	20.00	12.00	10.00	20.00
200 lin.ft. 6 in. water pipe	4.00	3.00	3.00	2.50	2.00
300 lin.ft. 12 in. water pipe	5.00	5.00	5.00	3.75	3.00
100 lin.ft. 20 in. water pipe	6.00	7.00	8.00	7.50	7.50
200 lin.ft. 30 in. water pipe	15.00	12.00	12.00	11.00	12.00
100 lin.ft. 48 in. water pipe	25.00	20.00	20.00	22.50	15.00
10 service connections for water pipe	50.00	50.00	50.00	30.00	50.00
400 lin.ft. 4 in. C. I. gas pipe	2.50	2.00	3.00	1.50	2.00
700 lin.ft. 6 in. C. I. gas pipe	3.00	2.50	5.00	2.25	2.50
300 lin.ft. 8 in. C. I. gas pipe	3.50	3.00	6.00	2.75	3.00
100 lin.ft. 10 in. C. I. gas pipe	3.50	3.50	8.00	3.25	3.50
600 lin.ft. 12 in. C. I. gas pipe	5.00	4.00	10.00	3.75	4.00
100 lin.ft. 16 in. C. I. gas pipe	7.00	5.00	12.00	5.50	6.00
100 lin.ft. 20 in. C. I. gas pipe	10.00	6.00	15.00	7.50	8.00
150 lin.ft. 30 in. C. I. gas pipe	15.00	8.00	20.00	11.00	10.00
200 lin.ft. 6 in. steel by pass pipe	5.00	10.00	6.00	22.00	6.00
100 lin.ft. 8 in. steel by pass pipe	7.00	12.00	10.00	26.00	8.00
25 lin.ft. 10 in. steel by pass pipe	12.00	14.00	20.00	31.00	11.00
7,700 lin.ft. 12 in. steel by pass pipe	12.00	16.00	25.00	34.00	12.00
65 lin.ft. 16 in. steel by pass pipe	20.00	20.00	30.00	38.00	16.00
125 lin.ft. 20 in. steel by pass pipe	20.00	24.00	40.00	45.00	18.00
50 lin.ft. 24 in. steel by pass pipe	30.00	30.00	50.00	58.00	25.00
60 lin.ft. 4 in. steel by pass pipe	5.00	7.50	4.00	20.00	5.00
50 lin.ft. 30 in. steel by pass pipe	30.00	36.00	60.00	70.00	30.00
550 lin.ft. 12 in. steel by pass pipe above street surface	15.00	16.00	20.00	34.00	15.00
1,300 lin.ft. steel by pass pipe above street surface	18.00	20.00	25.00	38.00	20.00
1,600 lin.ft. 20 in. steel by pass pipe above street surface	22.00	24.00	30.00	45.00	22.00
250 lin.ft. 24 in. steel by pass pipe above street surface	26.00	27.00	40.00	58.00	30.00
200 lin.ft. 30 in. steel by pass pipe above street surface	32.00	30.00	50.00	70.00	35.00
2,000 lin.ft. trestle support by pass pipe	15.00	10.00	10.00	32.00	10.00
1,000 lin.ft. cable suspension support by pass pipe 16 in. diameter or over	10.00	12.00	10.00	32.00	10.00
100 lin.ft. cable suspension support by pass pipe under 16 in. diameter	10.00	10.00	10.00	32.00	10.00
10 service connections for gas pipe	50.00	50.00	50.00	60.00	60.00
300 ton new C. I. hub and spigot pipe—straight	125.00	130.00	100.00	100.00	100.00
150 ton new C. I. hub and spigot pipe—special	250.00	220.00	200.00	200.00	200.00
100 lin.ft. 8 in. mail tube	15.00	10.00	10.00	15.00	10.00
700 lin.ft. 8 in. mail tube—straight	20.00	15.00	8.00	20.00	15.00
100 lin.ft. 8 in. mail tube—curved	30.00	20.00	15.00	38.00	20.00
110,000 duct.ft. electric ducts and conduits	.40	.60	.30	.50	.50
10 service connections for electric ducts	85.00	50.00	100.00	60.00	100.00
10 service boxes on relocated duct lines	275.00	100.00	300.00	125.00	200.00
5 junction boxes on relocated duct lines	500.00	300.00	500.00	350.00	400.00
1 additional box on relocated duct lines	800.00	400.00	500.00	500.00	600.00
Extended totals	$7,666,222	$7,808,225	$8,057,515	$8,260,470	$9,601,223

Street sand Roads (Continued)

629 Albany Ave., Brooklyn, $247,877. Noted Nov. 12.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Nov. 20, from Welsh Bros. Contg. Co., 32 Queens St., Astoria, granite block paving Ely Ave. $8,127, sidewalks where necessary on Roosevelt to Grout Aves. $1,920, grading, curbing and sidewalks on 99th St. $4,791, and Lake St. $22,230; from Kennedy & Smith, 93 Amity St., Flushing, grading, regrading, curbing and sidewalks on 40th St. $13,215; from Uvalde Asphalt Paving Co., 1 Bway., New York City, permanent sheet asphalt paving Bleeker St. $12,-933, 40th St. $31,230, Grove St. $5,710, 126th St. $9,970, Prospect Ave. $13,808; from Pease Bros., Inc., 57 North Lawrence St., Flushing, grading and sidewalks on Bway. $1,155, and grading, curbing and sidewalks on 130th St., $18,483; from O'Brien & Kurth, 8625 13th St., Jamaica, grading, curbing and sidewalks on 91st St. $10,975; from Sicilian Asphalt Co., 41 Park Row, New York City, permanent sheet asphalt paving 101st St. $10,720; from A. M. Hazell, Inc., 26 Cortlandt St., New York City, beach along ocean front $605,075. Noted Nov. 19.

New Jersey—State Hy. Comn., Trenton, Nov. 16, grading and concrete paving 21,-374 sq.yd. Route 5, Sect. 16, Dover Cutoff, Morris Co., from J. F. McGreevy, Manasquan, $116,950. Noted Oct. 29.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Nov. 10, grading Frederick St. between Bittner and Fred Kraft addition, from J. T. McMahon Contg. Co., 1514 Farragut St., $3,035; Magnolia St. between Ecoff and McCausland Sts. from F. A. Grant, 3219 Halliday St. $4,271; Graham St. between Berthold and Oakland Sts., and Skinker Rd. between Delmar Blvd. and Olive St., from Hoolan Constr. Co., Wainwright Bldg. $2,225 and $14,798 respectively. Noted Oct. 22.

Calif., Alhambra — From Hall Johnson Co., 905 Westminster St., West Alhambra, paving 2½ mi. Valley Blvd., 76 ft., 16,522 lin.ft. curbing $0.45 per lin.ft. 69,491 sq.ft. guttering $0.24, 20,288 sq.ft. sidewalk $0.15, 8,135 sq.ft. earth excav. $0.50, 96,541 sq.ft. oiled macadam $0.04, 837,802 sq.ft. 9 in. asphaltic concrete $0.25, total $279,-873. Noted Sept. 10.

Calif., Los Angeles—From G. H. Oswald, 366 East 58th St. improving 1.93 mi. Aranbe Ave., 17.935 lin.ft. curbing at $0.45 per lin.ft., 35,088 sq.ft. guttering $0.25, 89,023 sq.ft. sidewalk $0.20, 3,960 cu.yd. grading $0.42, and 184,173 sq.ft. rock oiled roadway $0.35, total $36,208. Engrs. est. $44,347.

CONTRACTS AWARDED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and sheet asphalt paving 116th St., to Brusstar Constr. Co., Harlem River and 150th St., $125,462; granite block repaving Canal St., to C. Helbock, 633 Wales Ave., $21,469; sheet asphalt repaving Whitehall St., to Uvalde Asphalt Paving Co., 1 Bway., $52,-785. Grand total $199,716. Noted Oct. 22.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Bay St., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $25,789. Noted Nov. 19.

New Jersey—State Hy. Comn., Trenton, grading and concrete paving Route 5, Morris Co., to J. F. McGreevy, Manasquan, $116,950. Noted Nov. 26.

Pa., Phila.—Bureau of Highways, Dept. Pub. Wks., to J. J. McHugh, 1617 Race St., grading Ludlow St. $1,829, to T. Conner, 3621 North 5th St., Tulip St. $832; to Barber Asphalt Co., 239 North 30th St., asphalt paving B St. $3,655, Leiper St. $12,-411, Ludlow St. $7,115, Marsden St. $4,532, and Torresdale St. $107,625, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Boyer St. $13,523, Crittenden St. $12,632, and N St. $19,576, to Eastern Asphalt Co., Penn Bldg., Johnston St. $12,895; to J. Devlin, Jr., Hancock and Thompson Sts., portland cement concrete base on Victoria St. $943; to Atlantic Refining Co., 260 South Broad St., furnishing bituminous filler for wood blocks, $2,950; to Union Paving Co., 30th and Locust Sts., furnishing and delivering sand for asphalt paving mixture $3,014, and furnishing asphalt paving mixtures, $14,850; to A. DiRenzo, 1019 Wood St., Bristol, reconstructing Knights Rd. Bridge over Poquessing Creek, $5,160; and to J. H. Terry & Co., 969 Drexell Bldg., repairing Bridge St. Bridge over Frankford Creek $5,140. Grand total $232,682. Noted Nov. 19.

North Carolina — State Hy. Comn., Raleigh, grading and concrete paving 12.08 mi. Project 514, Caswell Co., to Stearns Bros., Inc., Statesville $287,008, 18.17 mi. Project 1350, Halifax Co., and 11.52 mi. Project 347, Cumberland Co., to J. O. Heyworth, Inc., Harvester Bldg., Chicago, Ill., $448,626 and $305,497 respectively; grading, concrete paving and bridging 4.27 mi. Project 906-C, Extension, Buncombe Co., to R. C. Stephens, Asheville, $156,033; also clearing and grading 3.54 mi. Project 952-B, Jackson Co., to Dicus Bros., Waynesville, $28,648. Grand total $1,223,-812. Noted Oct. 29.

S. C., Spartanburg—Sheet asphalt paving 14,572 sq.yd. various streets, to Carolina Contg. Co., Spartanburg, $48,928.

W., Va., Pineville—Wyoming Co., grading, etc. 12.2 mi. Pineville-McDowell Co. line Rd., to Echols Constr. Co., Marlinton, $87,975. Noted April 30.

Ga., Valdosta — City Comrs., asphaltic concrete on concrete surfacing various streets, to Dixon Contg. Co., 793 East St. Julian St., Savannah, approximately $500,-000. Noted Nov. 5.

Ala., Birmingham — City, (e. e. means engrs. est.), asphaltic concrete paving 6

Streets and Roads (Continued)

blocks Woodland Ave. and 16th Pl., 30 ft., to H. N. Bowdry, Farley Bldg., $20,986, e. e. $25,000; brick and concrete sewers in 39th St., to J. L. McPoland, 831 Woodland Ave., $906 e. e. $1,100, in 3rd St. and 9th Alley, to A. H. Dimijian, Woodward Bldg., $3,665 e. e. $4,200.

Miss., Philadelphia — Grading, curbing, guttering and paving 24,000 sq.yd. and 105,000 sq.ft. sidewalks on various streets, to Merrill Eng. Co., Lamar Life Bldg., Jackson. Noted Oct. 16.

Kentucky — State Hy. Dept., Frankfort, concrete surfacing 3.253 mi. Piner-Bracht Rd., Federal Aid Project 105-A, Kenton Co., to Mills & Connelly, Independence, $88,534; and grading, etc. 0.91 mi. Prestonsburg-Paintsville Rd., 24 and 28 ft., Federal Aid Project 133-A, Floyd Co., to T. W. Smith, Prestonsburg, $15,019. Noted Oct. 22.

O., Cincinnati — Director Pub. Serv., curbing, sidewalks and granite block resurfacing 13,900 sq.yd. 3rd St., to Henkel & Sullivan, 105 Bell Blk., $104,473. Engrs. est. $115,481. Noted Nov. 12.

O., Cincinnati—Director Pub. Serv., grading, curbing and Durax repaving 14,000 sq.yd. Mitchell Ave., to Hannon-Hughes Constr. Co., 312 East 8th St., $105,999 engrs. est. $116,510; and grading, curbing, guttering and vitr. brick and bituminous macadam paving 5,970 ft. Kellogg Ave., 30 ft., to J. S. Bolan, 1517 Ruth Ave., $320,163, engrs. est. $376,865. Noted Aug. 27 and Oct. 8.

O., Rocky River—Asphaltic concrete paving Hampton Ave., to Highway Constr. Co., Guarantee Title Bldg., Cleveland, $25,250.

Michigan — State Hy. Dept. at office Comrs. Genesee Co., Flint, grading 6.022 mi. Trunk Line Rd. 10-55A, to H. L. McLean, Saginaw, $39,978. Noted Oct. 29.

Michigan — State Hy. Dept., at office Comrs. Montcalm Co., Stanton, concrete paving 1.219 mi. Trunk Line Road 46-10, 20 ft., to F. Jansmo & Son, Grand Rapids, $30,678.

Michigan — State Hy. Comn., at office Comrs. Kalamazoo Co., Kalamazoo, concrete paving 8.332 mi. State Trunk Line 7-22 A, to E. A. Campbell, Kalamazoo, $101,476. Noted Oct. 22.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, grading, curbing, sewering and 8 in. concrete surfacing Ibsen St., Lunt, Coyle and Odell Aves., to J. A. McGarry, 189 West Madison Ave., South Honore St., to Central Paving Co., 179 West Washingtonton St., Justine, Laflin, South Bishop, West 90th, 91st, 92nd, 93rd and 94th Sts., to Ready & Callaghan Coal Co., 133 West Washington St.; grading, curbing, sewering and asphalt on 8 in. concrete surfacing South Kildare Ave., to Amer. Asphalt Paving Co., 133 West Washington St.; grading, curbing, sewering and asphalt on 6 in. concrete surfacing Drummond Pl., Altgeld St., Baker, Schubert, Wrightwood, North Lockwood, North Long and North Linder Aves., to White Paving Co., 130 North Wells St.

Ia., Des Moines—To Wright Constr. Co., 1325 Main St., Johnson 2 concrete surfacing 3,877 sq.yd. 38th St.; at $2.02 per sq.yd., D brick surfacing 1,091 sq.yd. 24th St. $3.07, D brick resurfacing 25,397 sq.yd. Southeast 6th St. $1.89, Warrenite asbestos surfacing 6,443 sq.yd. Hutton St. $2.65, and 4,363 sq.yd. 44th St. $2.69, to Des Moines Asphalt Paving Co., 2nd and New York Sts., 1,140 sq.yd. Tiffin St., $266; to Union Constr. Co., 200 New York St., vibrolithic surfacing 4,661 sq.yd. Searle St., $1.93; to J. W. Turner Impvt. Co., 309 Youngerman Bldg., 1,000 ft. 36 in. pre-cast concrete and 802 ft. 24 in. vitr. clay sewers in University Park Storm Sewer Dist., $10,000. Noted Sept. 24 and Oct. 15.

Kan., Cottonwood Falls—Chase Co., improving 7.061 mi. Federal Aid Project 256-A, grading, to E. E. Hanson, Cottonwood Falls, $21,316, culverts, to Neiswanger & Ketchum, Burns, $14,372. Noted Oct. 1.

Kan., Kansas City—Wyandotte Co., grading, concrete surfacing, etc., 1 mi. Federal Aid Project 52-E, 18 ft., to J. Stanton Constr. Co., Leavenworth, $39,098. Engrs. est. $45,731. Noted Oct. 15.

Kan., Kansas City — Wyandotte Co., grading and concrete surfacing 1.72 mi. Federal Aid Project 309-B, 18 ft., to Davidson Constr. Co., Kansas City, Mo., $56,688. Engrs. est. $61,267. Noted Oct. 15.

Kan., Kingman—See "Bridges."

Kan., Winfield — Cowley Co., to M. R. Amermann, 246 North Market St., 3 in. brick on bituminous surfacing 13.383 sq.yd. West 9th St., $55,507, and 3 in. asphalt on 5 in. concrete surfacing 11th Ave. from Manor to Stewart Sts., and Bway. from Walnut to Ann Sts. at $2.56 per sq.yd., curbing $0.80 per ft. and guttering $0.85.

Neb., Lincoln—To Roberts Constr. Co., brick paving streets in Dist. 608, $4,461; to Abel Constr. Co., 308 Terminal Bldg., asphaltic concrete paving streets in Dist. 668, $20,112, Dist. 682 $5,082, and Dist. 672 $10,456; and to Reimers & Kaufmann, 12th and W. S. $3,711. Grand total $43,822.

Neb., Wilber — Grading, curbing, and warrenite bitulithic paving, etc. approximately 14,500 sq.yd. Paving Dist. 7, to Abel Constr. Co., 308 Terminal Bldg., Lincoln, at $2.45 per sq.yd.

North Dakota — State Hy. Comn. and Comrs. Sargent Co., Forman, graveling, clearing and grubbing 0.764 mi. Federal Aid Project 15D, and grading and surfacing, etc. 2.137 mi. Federal Aid Project 229, to N. Brolander, Wahpeton, $12,137 and $23,635 respectively; graveling, etc. 9.912 mi. Federal Aid Project 147G, to J. H. Boltz, Fargo, $17,000. Grand total $52,772. Noted Oct. 15.

North Dakota — State Hy. Comn., and Bd. Comrs. Stark Co., Court House, Dickinson, clearing, grubbing, etc. 6.111 mi. Federal Aid Project 14, to Stanley Bros., St. Cloud, Minn., $25,839. Noted Sept. 17.

Missouri—State Hy. Dept., Jefferson City, to Wilson Constr. Co., Warrensburg, 30 ft. grading 0.152 mi. road from Van Buren south, Carter Co. $9,395, to McCann Bros. & Hoffman, Grand Tower, Ill., 0.717 mi. road from Dudley east, Stoddard Co. $3,413, to Pioneer Constr. Co., Kansas City, 0.68 mi. Centerville-Lesterville Rd., Reynolds Co. $5,299, 12 ft. chats surfacing 3.594 mi. Eldorado Springs-Stockton Rd., Cedar Co. $37,016, and 18 ft. gravel surfacing 1.576 mi. same road $7,752; to R. L. Williams, Charleston, grading and 9 ft. concrete paving 5.061 mi. roads from Hough north and south, Mississippi Co., $39,340; to Richmond Constr. Co., Advance, 16 ft. gravel surfacing 3.998 mi. Udora-St. Francois River Rd., Dunklin Co., $44,819, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., 2.976 mi. road from Holcomb west, Dunklin Co. $32,444; to Finley Constr. Co., Nebraska City, Neb., 18 ft. gravel surfacing 0.452 mi. Glasgow-Fayette Rd., Howard Co., $10,534; to H. A. Worman, Pittsfield, Ill., 1.667 mi. road from Iron Co. line east, Madison Co. $17,288, to A. A. Davis & Co., Kansas City, 4.205 mi. road from Licking south $16,317, 4.178 mi. road from Licking north, Texas Co. $18,417, to LaHar Bros., Holden, 4.525 mi. Anderson-Elk Spring Rd. $18,940, 3.159 mi. Anderson-Neosho Rd. $12,793, and 3.349 mi. road from Noel south $7,413 ,all foregoing in McDonald Co., and to Kelly & Underwood, Granby, 2.178 mi. road from Monett south, Barry Co. $11,104, also 2.857 mi. road from Greenfield north, Dade Co. $23,324. Grand total $334,908. Noted Nov. 19.

Ark., Little Rock—Warrenite type on 6 in. concrete surfacing 20 blocks various streets, to M. D. L. Cook, Trust Bldg., $127,013. Noted Nov. 5.

Tex., Abilene — Warrenite bitulithic paving 6th St. from Sayles Blvd. to Boyce St. and from Boyce to Peach Sts., to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $24,402. Engrs. est. $25,000.

Tex., Beeville—Bee Co., 1 in. cold rolled rock asphalt paving 107,000 sq.yd. State Highway 12, State Aid Project 619, to W. W. Vann, Falfurrias, $51,634. Engrs. est. $60,000. Noted Oct. 8.

Tex., Corpus Christi—O. O. Wright and associates, asphalt paving in Del Mar addition, to Rogers & Stewart, 330 Nolan St., San Antonio, approximately $150,000. Engrs. est. $150,000.

Tex., Georgetown—Williamson Co., grading, gravel surfacing and concrete and creosoted timber bridges on 10.36 mi. State Highway 95, State Aid Project 633, incl. 52,850 lb. reinforcing, 57,843 cu.yd. class A concrete, etc., to Brown & Root, Georgetown, $115,792. Engrs. est. $112,900 incl. 10% for engineering and contingencies. Noted Nov. 19.

Tex., Kaufman—Kaufman Co., 7 in. concrete paving 10.79 mi. State Highway 40, Federal Aid Project 136-X Unit 2, incl. surfacing bridges with either 2 in. amiesite, limestone rock, asphalt or bitulithic concrete, to Smith Bros., Amer. Natl. Exch. Bank Bldg., Dallas, $157,153. Engrs. est. $152,000. Noted Nov. 19.

Tex., Mexia—Limestone Co., rock asphalt on 5 in. concrete paving 52,500 sq.yd. Hopkins, Main, Palestine, Melam, Sumpter, Sherman, Titus and Belknap Sts., to W. M. Jagoe Constr. Co., Denton, $180,178. Engrs. est. $190,000. Noted Sept. 10.

Tex., Wichita Falls — Permanent paving 8½ blocks Ave. J, 7th, Filmore, Polk and Jones Sts., also 17 blocks Ave. J., Wenonah, Filmore, Sibley and Yale Aves., to Plains Paving Co., Staley Bldg., $3.00 per sq.yd. and approximately $118,000 respectively, also 7 blocks Avenues E and Q, 6th and Lake Sts., to L. E. Whitham & Co., Wichita Falls, approximately $42,000.

Oklahoma — State Hy. Dent., Oklahoma City, grading and concrete paving 14,870 sq.yd. through town of Picher, Federal Aid Project 217-A, Ottawa Co., to Du Bois & Co., Pittsburg, Kan., $32,417. Engrs. est. $46,000.

Okla., Mangum — Grading, curbing, and concrete paving, etc. Harrison St. between Oklahoma and Byers Sts., to Ward, Beelman & Brooks, 1215 West 15th St., Oklahoma City, $29,064. Noted Nov. 12.

Okla., Newkirk — Grading and concrete paving 7,880 sq.yd. 10th St., to M. A. Swatek & Co., 519 West Main St., Oklahoma City, $26,313. Engrs. est. $28,875.

Okla., Okemah—For 6 in. concrete surfacing 10,000 sq.yd. and 7 in. concrete surfacing 5,000 sq.yd. Dist. 7, to Park & Moran, 210 South Seminole St., Okmulgee, $45,637.

Idaho—Commissioner Pub. Wks., grading and crushed rock surfacing 4.15 mi. North and South Highway, Federal Aid Project 40-A and B, Washington Co., to Morrison-Knudson, Railroad tracks and Reclamation Ave., Boise, $39,189.

Calif., Riverside—Riverside Co., 5 in. oil macadam paving, etc., 475,200 sq.ft. Foothill Blvd. between Jack Rabbit and San Jacinto city limits, to Pearson & Dickerson, P. O. Box 325, Riverside, $75,385. Noted Nov. 19.

Ont., Toronto—To Grant Contg. Co., 50 Front St. E., brick block on concrete paving Glen Edyth Dr., $14,017; to Dufferin Constr. Co., foot Bathurst St., asphaltic concrete paving Glen Edyth Dr. $4,555, and Weston Rd. S. $13,251, asphalt and brick block paving Boulton Dr. $11,523, and asphalt paving Mt. Pleasant Rd., Sect. B $20,331; to Kilmer & Barber, 10 Adelaide St. E., asphalt on concrete paving York St., $5,443; to Constructing & Paving Co., Confederation Life Bldg., asphalt paving Maclennan Ave. $5,831, and Cottingham Rd. $7,899, also concrete paving Deloraine Ave. $2,453; to Warren Bituminous Paving Co., 54 University Ave., bitulithic on concrete paving Craven Rd. $42,563, Edna Ave. $4,324, Garfield Ave. $5,326, Lola Rd. $5,592, Manor Rd. $6,046, and St. Clair Ave. E. $16,212; to Lioni & Co., 1466 Dufferin St., grading McNairn Ave. $2,022. Grand total $165,366.

Buildings—Industrial

PROPOSED WORK

Mass., Arlington (br. Boston) — DYE PLANT, etc. — Arlington Dye Wks., 411 Highland Ave., Somerville, having plans prepared by E. Porter, 40 Mystic Ave., Medford, 1 story dye plant, incl. naphtha house, office and examining rooms, rein.-con., here. $40,000.

Mass., Greenfield — ICE CREAM FACTORY—J. G. Turnbull Co., 31 Davis St., having plans prepared by S. A. Clark, c/o owners, 2 story, 45 x 105 ft., rein.-con. and brick factory. $45,000.

Mass., Peabody — SHOE FACTORY — Ryan Shoe Co., Foster St., plans reconstructing factory, recently destroyed by fire. $50,000 or more. Engineer and architect not selected.

N. Y., Buffalo—SERVICE STATION—Packard Motor Co., 300 Delaware Ave., had plans prepared rein.-con., Main St. $175,000.

Md., Baltimore — PLANT — Jersey Ice Cream Co., Pratt and Regester Sts., having plans prepared, 2 story rein.-con., brick and steel, plain foundation, 127-35 South Regester St. $250,000. McCormick & Co., 121 South Negley Ave., engrs.

Pa., East Lansdowne (Lansdowne P. O.) —SHOP—R. R. Lloyd & Co., 105 North 22nd St., Phila., having plans prepared by R. A. Korns, Jr., 109 South 22nd St., Phila., and soon takes bids 1 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation, Pembrook Ave., here.

Pa., Petrolia — ABSORPTION REFRIGERATION—W. H. Daugherty & Sons having plans prepared 1 story, 40 x 46 ft., concrete and steel plant. $40,000. Private plans. Carbondale Machine Co., Carbondale, engrs.

N. C., Belmont—COTTON FACTORY—Belmont Fabric Co. plans factory addition. $200,000.

Fla., Tampa — ICE PLANT — Tampa Arctic Ice Co., c/o R. A. Burford, Jr., pres., having plans prepared ice plant, 100 ton capacity, 2nd Ave. between 14th and 15th Sts. $225,000.

Miss., Jackson—PLANT—H. C. Yawn, Jr., mgr. Martin-Parry Corp., Lumberton, Miss., takes bids about Dec. 1, (4 unit) 200 x 250 ft. auto truck body plant, here. Private plans.

Tenn., Johnson City—PLANT—Amer. Bemberg Co. soon takes bids 1 and 5 story, 246 x 651 ft. artificial silk plant. Total $100,000. Foundation contract. to Hughes Foulkrod Co., Commonwealth Bldg., Philadelphia, Pa.

Buildings—Industrial (Continued)

Tenn., Knoxville — FURNITURE FACTORY and WAREHOUSE — Oakwood Mfg. Co., Harvey St. and Morelia Ave. plans rebuilding factory, Harvey St., recently destroyed by fire. $200,000.

O., Alliance—FACTORY—Stewart Bros. Paint Co., J. S. Stewart, pres., 204 South Seneca Ave., having plans prepared by Albrecht & Wilhelm, Union Bldg., Cleveland, 2 story and basement, 40 x 80 ft., brick, and rein.-con., North Union Ave. $40,000. Noted Nov. 12.

O., Cleveland—FACTORY—Donley Bros. Co., G. Donley, treas. and genl. mgr., 13900 Miles Ave., had plans prepared by W. Watson and associates, 4614 Prospect Ave., 1 story, 60 x 160 ft., brick and steel, 13900 Miles Ave. $50,000.

O., Dayton—FACTORY—Schenk & Williams, archts., Mutual Home Bldg., soon take bids 4 story, 70 x 200 ft., rein.-con. addition, plain foundation, for Duro Pump & Mfg. Co., Monument Ave. $175,000.

Ind., Indianapolis—CEREAL FACTORY—Knefler & Bates Mfg. Co. having plans prepared by Mothershead & Fitton, 542 North Meridian St., 4 story and basement, 80 x 120 ft., brick and timber, Madison Ave.

Wis., Antigo—CANNERY—Krier Canning Co. plans 2 story, brick addition, plain foundation. $40,000. Engineer and architect not selected.

Wis., Milwaukee—FACTORY, etc.—E. R. Liebert, archt., 49 Oneida St., making plans 3 story, 52 x 120 ft. factory, 2 story, 52 x 60 ft. engine house and 3 story, 42 x 100 ft. office building, all brick and steel, plain foundations, 27th St. $100,000. Owner's name withheld.

Wis., Waukesha—FACTORY—Waukesha Factory Building Co., c/o G. L. Dwinnell, 448 West College Ave., plans 1 story, 60 x 100 ft., concrete, plain foundation, near Soo Depot. $40,000. Engineer and architect not selected. Milwaukee Service Parts Co., 1001 Cold Springs Ave., Milwaukee, lessee.

Neb., Omaha—ICE PLANT—City Ice & Fuel Co., 1935 Euclid Ave., Cleveland, O., soon lets contracts remodeling and constructing ice plant addition, 13th and Chicago Sts., here. $100,000.

Mo., Rolla—SHOE FACTORY—Chamber of Commerce, G. E. Joslin, pres., having preliminary plans prepared 3 story, 50 x 200 ft. with 45 x 50 ft. wing, brick and concrete factory. $75,000 upwards. Private plans. Pennington-Gilbert Shoe Co., lessee.

Tex., Huntsville — MATTRESS FACTORY—Great Southern Mattress Factory, (Eastham Bros. owners), plans rebuilding 20 x 60 ft., brick and concrete plant, recently destroyed by fire. $75,000. Private plans.

Tex., Wichita Falls—STORAGE HOUSE—Witherspoon Co., 104 Barwise St., plans cold storage produce house. $60,000.

California—SUB-STATIONS—Coast Valleys Gas & Electric Co., Salinas, plans substation at Monterey, $100,000, and one at Carmel (Carmel-By-The-Sea), $35,000.

Calif., Alameda—FACTORY—Boyle Mfg. Co., 1918 Park St., plans factory manufacturing steel household articles, Oak and Clement Sts. $40,000 or more.

Calif., Fresno—DISTRIBUTING PLANT—General Petroleum Corp., 310 Sansome St., plans distributing plant, incl. steel storage tanks, garage and warehouse buildings. To exceed $50,000. Private plans.

Calif., Los Angeles—FACTORY—Eureka Paper Box Co., 824 Wall St., had plans prepared by J. M. Cooper, archt. and engr., 301 Rives-Strong Bldg., 2 story and basement, 65 x 120 ft., rein.-con., 20th and Tarleton Sts. $40,000.

Calif., Manteca—POWER PLANT—Pacific Gas & Electric Co., 245 Market St., San Francisco, having plans prepared power plant. To exceed $1,500,000. Private plans.

Calif., Oakland — WAREHOUSE — Parr Terminal Co., 1 Drumm St., San Francisco, plans 1 story, 90 x 300 ft., brick or concrete, at Parr Terminal. Engineer and architect not selected.

Calif., San Francisco — PRINTING PLANT—Abbott-Brady and Sunset & Sunset Publishing Co., 440 4th St., having plans prepared 2 story and basement, rein.-con., Sansome St. near Vallejo St. $175,000. T. Ronneberg, Crocker Bldg., engr.

Ont., Toronto—SERVICE STATIONS—Imperial Oil Co., 56 Church St., soon takes bids gasoline and oil service stations, brick, concrete and steel, one at Yonge St. and Melrose Ave., one at Gerrard St. and Marjorie Ave. and other at Gerrard St. and Hiawatha Ave. $100,000. L. G. Wheaton, 56 Church St., engr.

BIDS DESIRED

R. I., Providence—MANUFACTURING—D. F. Holmes, 1413 Narragansett Blvd., taking bids 3 story and basement, 40 x 75 ft., rein.-con., brick and steel manufacturing building. $40,000. B. Wright, 171 Westminster St., archt.

Conn., Bristol—GAS PLANT—See "Contracts Awarded."

La., Elizabeth — PAPER MILL — See "Contracts Awarded."

Wis., Green Bay—STEAM and POWER PLANT — Byllesby Eng. & Management Corp., 231 South La Salle St., Chicago, Ill., taking bids structural steel 2 story and basement, brick, steel and concrete, plain foundation, here. $2,000,000. Private plans.

Wis., Jefferson — UPHOLSTERING PLANT—See "Contracts Awarded."

Wis., Milwaukee—POWER HOUSE and LAUNDRY—R. Cramer, engr., 1105 Vliet St., taking bids 3 story, 67 x 70 ft., brick and concrete, plain foundation, 22nd and Cedar Sts., for Milwaukee Hospital, 22nd and Cedar Sts. $60,000. Noted Nov. 12.

Wis., Milwaukee — BOILER HOUSE — See "Buildings—Educational, Religious."

Minn., Bemidji—HEATING and POWER PLANT, etc.—Nov. 30, by State Dept. Administration & Finance, Capitol, St. Paul, heating and power plant, $65,000; also 3 story and basement addition to college, $120,000, both rein.-con. and brick. Noted Oct. 1.

BIDS RECEIVED

Minn., Minneapolis — LABORATORY — Dept. Administration & Finance, State Capitol, St. Paul, Nov. 16, general contract 2 story and basement, 50 x 110 ft. rein.-con. and brick addition at State University, here, from Albee Bros., 621 Plymouth Bldg., Minneapolis, for State Highway Dept. $55,870. Noted Nov. 12.

CONTRACTS AWARDED

Mass., Gardner—CHAIR FACTORY—Brown Bros., Inc., 3 story, 90 x 100 ft. chair factory, timber, to Ludwig Jandris, 52 Blanchard Pl. Archts. est. $75,000.

Mass., Somerville (br. Boston) — BAKERY—New England Bakery Co., 86 Joy St., 2 story, 75 x 90 ft., rein.-con. and brick addition, to W. Coulson Co., 1 Hayward St., Cambridge. Archts. est. $50,000.

Conn., Bridgeport—FACTORY—Raybestos Co., Bostwick St. and Railroad Ave., 2 story, 95 x 157 ft., brick and steel addition, to T. J. Pardy, 1481 Seaview St. Archts. est. $60,000. Noted Nov. 12.

Conn., Bristol—GAS PLANT—Bristol & Plainville Electric Co., 17 Riverside Ave., will build 2 brick and steel additions, etc., by day labor. To exceed $50,000. Private plans.

Conn., Hartford — FACTORY — Union Drawn Steel Co., 775 Capitol Ave., 1 story, 58 x 255 ft., brick and steel addition, to H. K. Ferguson Co., Euclid Ave., Cleveland, O. Archts. est. $40,000.

N. J., Camden—PRESS BUILDING—Camden Daily Courier, 31 Federal Ave., 2 story and basement, 53 x 71 ft., rein.-con. and brick, plain foundation, 3rd and Arch Sts., to B. McLaughlin Co., 3260 Ludlow Bldg., Phila., Pa.

N. J., Newark—MANUFACTURING—Motor Improvements, Inc., 365 Frelnighuysen Ave., rein.-con., brick and steel, plain foundation, Frelinghuysen Ave., to White Constr. Co., 95 Madison Ave., New York City. Archts. est. $200,000.

Pa., Columbia — SILK MILL — Clark, MacMullen & Riley, engrs., 101 Park Ave., New York City, N. Y., 3 story and basement, 58 x 208 ft., rein.-con. and brick, plain foundation, Cedar and 4th Sts., to D. S. Warfeld, Lancaster, for Schwarzenbak-Huber Co.

Pa., Hercules (Belfast P. O.)—PACKING HOUSE—P. M. Sax, engr., Penfield Bldg., Phila., 2 story and basement, 65 x 120 ft., rein.-con., brick and steel, plain foundation, here, to Austin & Co., Jefferson Bldg., Phila., for Hercules Portland Cement Co., 1600 Walnut St., Phila. Noted Nov. 12.

Ga., Macon—OVERALL MANUFACTURING PLANT—Hopp Bros., 674 Bway., 4 story, 115 x 162 ft., mill addition, to W. L. Griffin, Macon, $50,000.

La., Elizabeth—PAPER MILL—Calcasieu Sulphate Paper Co., R. M. Hallowell, pres., will build 1 story, paper mill addition, by day labor, under supervision of J. E. Ryberg, constr. engr. $300,000.

O., Cincinnati—MACHINE SHOP—Cincinnati Ball Crank Co., 1 story, 70 x 90 ft. steel addition, to Austin Co., 16112 Euclid Ave., Cleveland.

O., Ironton — FACTORY — Selby Shoe Co., 4 story and basement, 46 x 252 ft., rein.-con. and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, $200,000. Noted Oct. 22.

Mich., Detroit—SWITCHING STATIONS—Pub. Lighting Comn., four 2 story, 64 x 89 ft., rein.-con., brick and steel switching stations, for new power house, to W. H. Mueller, 2210 Park Ave., $503,990. Noted Oct. 29.

Mich., Detroit—SERVICE STATION—Stewart Warner Speedometer Corp., 7321 Woodwood Ave., 2 story and basement, 100 x 150 ft. rein.-con., brick and steel, plain foundation, Cass Ave., to Jones & McNally, Cass Ave. Archts. est. $75,000.

Wis., Jefferson — UPHOLSTERING PLANT—Union Uphorstering Co., c/o B. Schweiger, pres., will rebuild 2 story, brick and timber plant, plain foundation, recently destroyed by fire, by day labor. $40,000. Private plans.

Ind., Kokomo—FACTORY—Turner Mfg. Co., 1 story, 80 x 135 ft. glass factory addition, brick and steel, to E. I. Daney. Archts. est. $40,000.

Wis., Alaska (mail Kewaunee) — CHEESE and BUTTER FACTORY — Alaska Dairy Assn., Route 1, Algoma, 2 story, 30 x 40 ft. and 44 x 70 ft., tile and concrete, plain foundation, here, to F. Wolf & Son, Algoma. Archts. est. $40,000.

Wis., Manitowoc — FACTORY — A. M. Richter & Sons Co., 8th and Madison Sts., 3 story, brick and concrete addition, plain foundation, to H. J. Selmer Co., McCartney Bldg., Green Bay. Archts. est. $40,000. Noted Oct. 1.

Wis., Milwaukee—FACTORY—Wisconsin Paint Mfg. Co., 454 33rd St., 2 story and basement, 40 x 82 ft., brick and concrete, plain foundation, Richard St., to Jahns & Knuth, 1331 28th St. Archts. est. $40,000.

Wis., Milwaukee—FACTORY—International Harvester Co., 784 Park St., 1 story, 140 x 200 ft., brick and steel, plain foundation, Park St., to Austin Co., 160 North La Salle St., Chicago, Ill. Archts. est. $65,000.

Minn., Fairmont — CREAMERY — Fairmont Co-operative Creamery Assn., A. L. Kiester, pres., general contract 2 story, 60 x 70 ft., brick and tile, to Lindhart & Kopp, 709 Front St., St. Paul. Archts. total est. $40,000.

Minn., Minneapolis — MILK DISTRIBUTION PLANT — Twin City Milk Producers Assn., 2395 University Ave., St. Paul, general contract 1 story and basement, 100 x 130 ft., rein.-con. and brick, Western and Du Pont Aves., to T. E. Johnson & Son, 5516 Lyndale Ave. S. Archts. total est. $60,000. Noted Oct. 22.

Mo., St. Louis — ICE PLANT — Polar Wave Ice & Fuel Co., 3638 Olive St., 1 story, 69 x 184 ft. plant, and 23 x 26 ft. office, both rein.-con. and brick, 4622 South Kingshighway, to Woerman Constr. Co., Syndicate Trust Bldg. Archts. est. $100,000.

Okla., Ponca City — MACHINE SHOP, etc. — Marland Refining Co., 1 story, 90 x 200 ft. machine shop, and 1 story, 50 x 60 ft. blacksmith shop, to H. W. Underhill, 235 North Waco St., Wichita, Kan. Archts. est. $100,000. Noted Sept. 24.

Calif., Berkeley—SHOP—Mann Mfg. Co., 454 Golden Gate Ave., San Francisco, 2 story, 120 x 180 ft., brick and steel machine shop, Dwight Way and 9th St., to Austin Co., 244 Kearny St., San Francisco. $45,000.

Calif., Los Angeles — FACTORY — Advance Auto Body Co., 1000 Macy St., 2 story, 100 x 160 ft., rein.-con. factory, to Badt-Falk & Bergendahl, 1316 Bartlett Bldg., $65,000.

Calif., Los Angeles—FACTORY—Baash-Ross Tool Co., 1 story, 98 x 200 ft., brick and steel, 5520 South Boyle Ave., to Morgan Co., Kerckhoff Bldg., $100,000.

Calif., Los Angeles — FACTORY — M. Silver, 1 story, 75 x 80 ft. and part 2 story, 100 x 100 ft., brick and timber, East 59th St. between Central and South Park Aves., to Realty Constr. Co., 2419 W. 27th Dr., $40,000.

Calif., Oakland — BAKING PLANT — Grandma Cookie Co., 335 Adeline St., 1 story and basement, 76 x 200 ft., rein.-con., Adeline St. near 3rd St., to H. J. Christiansen, 505 17th St., $45,000.

Calif., San Francisco—POULTRY WAREHOUSE and MARKET—California Poultry Co., Inc., 315 Washington St., 5 story, rein.-con. addition, etc., Washington St. near Battery St., to P. J. Walker Co., Sharon Bldg., $150,000.

Ont., Windsor—PLANT—Chrysler Motor Co. of Canada, J. D. Mansfield, mgr., 80 x 180 ft., brick addition to J. V. Gray Constr. Co., Bartlett Bldg. Archts. est. $50,000.

Buildings—Commercial

PROPOSED WORK

Mass., Somerville (br. Boston)—APARTMENT—Gould & Lilley, 21 Elmwood Park, Malden, having sketches made by G. F. Springhall, 50 Concord St., Malden, 3 story and basement, brick and stone, Summer Ave., here. $150,000.

Mass., Boston—APARTMENT—Six Commonwealth Ave. Trust, c/o C. F. Springall, archt., 50 Concord St., Malden, having plans prepared 6 story and basement, 30 x 95

Buildings—Commercial (Continued)

ft., brick and stone, plain foundation. $150,000.

Mass., Boston — GARAGE — Park Sq. Garage, Inc., c/o Natl. Eng. Corp., engrs. and archts., 60 Federal St., having preliminary sketches made about 28,000 ft. ground space, rein.-con. ramp type garage, St. James Ave. and Stuart St. To exceed $150,000.

Mass., Boston—HOSPITAL—New England Deaconess Assn., Deaconess Rd., having sketches made by E. W. Dearing, 193 Pilgrim Rd., 3 story and basement research building, brick. $600,000.

Mass., Boston—HOTEL—Park Sq. Hotel Corp., c/o T. M. James, archt., 3 Park St., having revised plans prepared, 16 story and basement, brick, steel, limestone and terra cotta, Park Sq. Section, Stuart, Warrenton and Craver Sts. To exceed $150,000. Noted Feb. 5.

Conn., New Haven—TEMPLE—Masonic Temple Assn., W. A. Warner, chn., having plans prepared by Norton & Townsend, 405 Temple St., brick and stone, Whitney Ave. $150,000 or more.

N. Y., New York—APARTMENT—Five Hundred Fifteen West End Ave., Inc., c/o J. M. Felson, engr. and archt., 250 West 57th St., having plans prepared 15 story, brick, steel and stone, plain foundation, West End Ave. $1,000,000.

N. Y., New York—APARTMENT—Two Thousand Seven Hundred Twenty-seven Bway., Inc., c/o Gronenberg & Leuchtag, engrs. and archts., 450 4th Ave., having plans prepared 9 story, 60 x 85 ft., brick, steel and stone, plain foundation, West 90th St. $350,000.

N. Y., New York—APARTMENT—Two Hundred and Twenty-five West 71st St. Corp., c/o R. Candela, engr. and archt., 200 West 72nd St., having plans prepared 16 story, 76 x 100 ft., brick, steel and stone, plain foundation, 256 West 100th St. $750,000.

N. Y., New York — APARTMENT — C. Cohen, c/o Moore & Landseidel, engrs. and archts., 148th St. and 3rd Ave., having plans prepared 5 story, brick, steel and stone, plain foundation, 172nd St. near Nelson Ave. $200,000.

N. Y., New York—GARAGE—L. & W. Garage Corp., c/o Murray Klein, engr. and archt., 37 Graham Ave., Brooklyn, soon takes bids 3 story, 100 x 100 ft., brick, steel and stone, plain foundation, 224 Mulberry St., here. $175,000.

N. Y., New York — HOTEL — Three Thousand Eight Hundred Fifty-four Corp., c/o E. Roth, archt. and engr., 119 West 40th St., having plans prepared 19 story, brick, steel and stone, plain foundation, 26 West 54th St. $1,500,000.

N. Y., New York — OFFICE — One Hundred Seventeen Liberty St. Corp., c/o Walker & Gillette, engrs. and archts. 128 East 37th St., having plans prepared 17 story, 75 x 100 ft. brick, steel and stone, plain foundation, Liberty St. $1,000,000.

N. Y., New York—OFFICE—H. H. and P. Uris, 553 West 26th St., having plans prepared by Buchman & Kahn, engrs. and archts., 49 West 45th St., 21 story, brick, steel and stone, plain foundation, Lafayette and Reade Sts. $2,000,000.

N. J., Jersey City—Y. M. H. A., Newark Ave., soon takes bids brick, steel and stone community center, plain foundation, Bergen Ave. $600,000. N. Wetloff, 249 Washington Ave., engr. and archt.

N. J., South River—THEATRE—Wilbur Amusement Co. plans theatre. W. Allgair, 25 Main St., interested. Engineer and architect not selected.

Pa., Phila. — EXPOSITION — J. O. Hunt, archt., Hunt Bldg., Trenton, N. J., soon lets contract New Jersey Sesqui Centennial Building, 3 story and basement, 59 x 138 ft., concrete, stone and steel, wood pile foundation, Exposition Grounds, South Phila., for State of New Jersey, State House Comn. $150,000.

Pa., Pottstown — WAREHOUSE and GARAGE — Auchenbach & Son, Inc., having plans prepared by S. T. Wagner, Reading Terminal, Phila., 1 and 2 story and basement, 68 x 147 ft., rein.-con. and brick, plain foundation, South and Hanover Sts.

N. C., Belmont—BANK—Bank of Belmont plans new bank. $175,000.

Fla., Ft. Pierce—HOSPITAL—Election Dec. 1, $250,000 bonds for hospital.

Ala., Anniston—OFFICE—L. Pizitz, 118 19th St., Birmingham, plans 12 story, 70 x 96 ft. office building, Wilmer Ave. $500,000. Engineer and architect not selected. H. A. Chenenson, Anniston, mgr.

La., Lafayette — COURTHOUSE — Lafayette Parish Police Jury, election Dec. 29, $300,000 bonds for court house.

La., Shreveport—COURTHOUSE—Caddo Parish Police Jury, having plans prepared by E. F. Neild, Shreveport, for new courthouse. $1,000,000. Noted Nov. 5.

Tenn., Nashville — MEDICAL ARTS — Tennessee Odd Fellows having plans prepared by Alsop & Callahan, Randolph Bldg., Memphis, 12 story, 60 x 83 x 167 ft., brick and terra cotta, 7th Ave. N. Total $450,000. Contract for substructure, to Foster & Creighton, 4th and 1st Natl. Bank Bldg.

O., Alliance—HOTEL and STORE—R. T. Shearer plans 5 story and basement, 75 x 120 ft., East Market and South Seneca Sts. $200,000.

O., Canton—THEATRE and OFFICE—Kessler Theatre Co. will not construct theatre and office building. Project abandoned. W. J. Mills, 5 West State St., Columbus, archt. Noted Jan. 15.

O., Cleveland — GARAGE and LABORATORY — Cleveland Ry. Co., c/o G. L. Radcliffe, vice pres., Hanna Bldg., having plans prepared by W. Watson and associates, 4614 Prospect Ave., 4 story and basement, concrete, brick and steel, Central Ave. near East 9th St. $200,000.

O., Cleveland Heights (Warrensville P. O.)—STORE and APARTMENT—Larchmere—Moreland Co., c/o P. J. Spitz, pres., 814 Swetland Bldg., Cleveland, having plans prepared by N. Petti, Williamson Bldg., Cleveland, 2 story, 70 x 269 ft., brick, Larchmere and Moreland Blvds., here. $200,000.

O., Columbus — STORE — Cussius & Ferne Co., 40 West Spring St., C. J. Penfield, vice-pres., making plans 5 or 6 story and basement, 187½ x 187½ ft., brick and concrete, West Chestnut St. $600,000. Engineer and architect not selected.

O., East Cleveland (br. Cleveland) — THEATRE—Phoenix Investment Co., c/o P. J. Spitz, Swetland Bldg., Cleveland, plans 1 and 3 story, brick, steel and concrete, Superior and Euclid Aves. $500,000. N. Petti, Williamson Bldg., Cleveland, archt.

O., Lakewood (br. Cleveland) — COMMERCIAL and APARTMENT — Detroit Coutant Co., c/o P. J. Spitz, Swetland Bldg., Cleveland, having sketches made by N. Petti, Williamson Bldg., Cleveland, 3 story and basement, brick, Detroit and Conant Aves., here. $150,000.

O., Lima—BANK and OFFICE—Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, soon lets contract 8 story and basement, 50 x 87 ft., concrete, brick and steel bank and office building, here, for Old Natl. Bank. $400,000. Noted Sept. 17.

Ind., Indianapolis—GARAGE—I. Holmes, Amer. Central Life Bldg., having plans prepared by R. Edwards, Union Trust Co., 4 story and basement, 60 x 195 ft., brick, steel and rein.-con., concrete pile foundation. $150,000.

Ind., Indianapolis — STORE and GARAGE — I. M. Holmes, 218 Amer. Central Life Bldg., soon takes bids 4 story, 60 x 195 ft., brick, steel and rein.-con., market and Alabama Sts. $150,000. R. N. Edwards, Union Trust Bldg., archt. and engr.

Ind., Indianapolis — THEATRE — Circle Theater Co., 45 Monument Pl., having plans prepared by Rubush & Hunter, Amer. Central Life Bldg., 3 story and basement, brick, steel and rein.-con., concrete pile foundation. $500,000.

Mich., Detroit—APARTMENT HOTEL—M. Hamburger, 5815 Brush St., having plans prepared 12 story and basement, rein.-con. and brick, plain foundation, Cass Ave. $2,000,000. Engineer's and architect's name withheld.

Mich., Detroit—ENGINE HOUSE, etc.—Bd. Fire Comrs., Wayne and Larned Sts., plans 4 story, brick, steel and rein.-con. office and engine house, plain foundation, West Park Pl. $150,000. Engineer and architect not selected.

Mich., Detroit—HOSPITAL—Bd. Health, Clinton and Beaubien Sts., having plans prepared by A. Kahn, 1000 Marquette Bldg., 3 story, rein.-con. and brick addition to Herman Kiefer Hospital, plain foundation, Hamilton Ave. $200,000.

Mich., Detroit—OFFICE—Michigan Bell Telephone Co., Cass Ave., having plans prepared by Smith, Hinchmann & Grylls, 800 Marquette Bldg., 12 story, 220 x 220 ft., rein.-con., brick and steel, Cass Ave.

Mich., Grosse Pointe (br. Detroit) — CLUB HOUSE — Grosse Pointe Country Club having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, rebuilding 3 and 4 story and basement, rein.-con., brick and steel, plain foundation, recently destroyed by fire. $300,000.

Mich., Pontiac—HOTEL—E. X. Miller having plans prepared by Pollmar & Ropes, 2539 Woodward Ave., Detroit, 8 story and basement, 80 x 120 ft., rein.-con., brick and steel, plain foundation, North Saginaw Ave. $700,000.

Ill., Chicago—CLUB—Collegiate Club of Chicago, Suite 818-820, 30 North Michigan Ave., G. Guernsey, pres., plans 20 story club building, incl. auditorium, athletic facilities, etc. Tallmadge & Watson, 160 North La Salle St., archts. H. R. Bradley & Co., 53 West Jackson Blvd., associated engrs.

Ill., Chicago—HOTEL—Winthrop Beach Hotel Corp., c/o J. S. DePuy & M. E. Dow, 6200 Kenmore Ave., having preliminary plans prepared by Quinn & Christiansen, 360 North Michigan Ave., 4 story, 50 x 150 ft., rein.-con. and brick, 6250 Winthrop Ave. $300,000.

Ill., Chicago — MACHINERY MART — Chicago Mchy. Mart Building Corp., Room 518, 14 East Jackson Blvd., had preliminary sketches made by Graham, Anderson, Probst & White, 80 East Jackson Blvd., 21 story and basement, 115 x 150 x 320 ft., rein.-con., brick and steel, caisson foundation, Canal St., extending through to Clinton St., 50 ft. south of Jackson Blvd. $8,500,000.

Ill., Chicago—TEMPLE—Masonic Lodges of Englewood having plans prepared by S. L. Reily, 112 West Adams St., 4 story and basement, 89½ x 143 ft., rein.-con. and brick, plain foundation, 5734 Wentworth Ave. $350,000.

Ill., Granite City — HOSPITAL — St. Elizabeth Hospital, c/o Sister Superior, takes bids in January, 4 story and basement, 47 x 255 ft., and 43 x 83 ft. wings, rein.-con., brick and stone, Madison Ave. $500,000. V. J. Klutho, Syndicate Trust Bldg., St. Louis, Mo., engr.

Ill., Moline — CATHEDRAL and CONSISTORY—Masonic Lodge of Moline, 524 15th Ave., soon takes bids 3 story and basement, 100 x 180 ft., concrete, brick, steel and stone, 8th Ave. and 18th St. $400,000. Whitsett & Schulzke, Peoples Bank Bldg., archts.

Wis., Kenosha—STORE and OFFICE—A. E. Epstein, 209 Main St., seeking competitive sketches 8 story and basement, 54 x 87 ft., brick and concrete, plain foundation, Main St. $275,000. Engineer and architect not selected.

Wis., Milwaukee—APARTMENT—Goodsitt & Helfaer, 4609 North Ave., plans (2 units) each 3 story and basement, 44 x 161 ft., brick and concrete, plain foundation, 24th and Sycamore Sts. $320,000. Engineer and architect not selected.

Wis., Milwaukee — APARTMENT and BUSINESS — Chain Investment Co., c/o Rosman & Wierdsma, archts., 490 Bway., having plans prepared 8 story and basement, 100 x 120 ft., brick, concrete and terra cotta, plain foundation, Grand Ave. $600,000.

Wis., Milwaukee — APARTMENT and BUSINESS—F. A. Schaetzke, 1385 Lake Dr., having preliminary plans prepared by C. J. Keller & Son, 432 Bway., probably 6 story and basement, brick and concrete, plain foundation, Grand Ave. $250,000.

Wis., Milwaukee — THEATRE and BUSINESS—Semi & Pessin, 1606 North Ave., plans 3 story and basement, 205 x 284 ft., brick, concrete and terra cotta, plain foundation, North and Fond du Lac Aves. $500,000. Engineer and architect not selected.

Wis., Racine—AUDITORIUM, etc.—Saxe Amusement Enterprises, 530 Grand Ave., Milwaukee, having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., remodeling 2 story, 110 x 120 ft., brick and steel building for auditorium and ball room, Main St. $150,000.

Wis., Wausau — THEATRE — Wausau Theatres Co., 208 Scott St., F. D. Timlin, pres., seeking competitive sketches 2 story and basement, 122 x 137 ft., brick and concrete, plain foundation. $160,000. Engineer and architect not selected.

Ia., Council Bluffs—HOSPITAL—Mercy Hospital having plans prepared by J. H. Wheeler, St. Paul, Minn., and Anderson & Spooner, 512 Park Bldg., 4 story, 47 x 91 ft. and 32 x 41 ft., rein.-con. addition, Harmony and Frank Sts. $150,000. Contract for excavation and basement walls, etc., to J. Hansen, 803 Ave. F.

Ia., Mount Ayr—COURT HOUSE—Ringgold Co. election Dec. 1, $150,000 bonds, for court house.

Minn., Rochester — THEATRE — Finkelstein & Ruben, 425 Loeb Arcade, Minneapolis, plans rein.-con., brick and stone theatre, here. $250,000. Engineer and architect not announced.

Minn., St. Paul—WAREHOUSE and OFFICE—A. J. Krank, 140 East 6th St., plans 4 story and basement, 200 x 310 ft., rein.-con. and brick, University and Lynnhurst Aves. $200,000. Engineer and architect not announced.

Kan., Emporia—HOSPITAL—Sisters of St. Francis, had plans prepared by Brinkman & Hagan, Stout Bldg., and take bids early in 1926, St. Marys Hospital 4 story and basement, 45 x 220 ft., brick, concrete and stone. $250,000. Noted Aug. 27.

Neb., Omaha—HOSPITAL—University of Nebraska takes bids in December, 3 story and basement, rein.-con., brick, stone

Buildings—Commercial (Continued)

and steel, Dewey Ave. and 42nd St. $200,000. J. Latenser & Sons, 732 Peters Trust Bldg., archts. Noted Nov. 12.

Neb., Omaha — OFFICE — Metropolitan Utilities Dist. plans 3 story and basement, 60 x 132 ft., brick and concrete, 18th and Harney Sts. $225,000. T. A. Leisen, City Hall, genl. mgr. and engr. Architect not selected.

Mo., Kansas City — STORE — Spalding Cloak Co. (lessee), 1010 Main St., having plans prepared by F. E. McIlvain, Orear-Leslie Bldg., remodeling present brick and steel building, 1010 Main St. $150,000.

Mo., Kansas City—THEATRE—Loews, Inc., Bway. and 45th St., New York City, N. Y., plans brick, stone and steel, plain foundation, West 13th St., here. $2,000,000. Engineer and architect not selected.

Mo., St. Louis—THEATRE and STORE—W. Goldman, c/o Kings Theatre, Kingshighway near Delmar Blvd., having preliminary plans prepared 2 story and basement, rein.-con., brick, stone and terra cotta, Hodiamont St. near Easton Ave. $175,000-$200,000. Private plans.

Ark., Jonesboro — COURT HOUSE and JAIL — Craighead Co., c/o B. Gregg, judge, having preliminary plans prepared by J. P. Almand, 1107 Boyle Bldg., Little Rock, concrete and brick court house and jail.

Okla., Ada—COURT HOUSE—Pontotoc Co. election Dec. 15, $150,000 bonds, new court house, Central St. H. L. Bolen, co. judge.

Okla., Clinton—DEPOT—Chicago, Rock Island & Pacific R.R. Co., La Salle Sta., Chicago, Ill., C. A. Morse, ch. engr., making preliminary plans new passenger station, here. $160,000.

Okla., Medicine Park — CLUB — H. Mitchell, 506 Colcord Bldg., Oklahoma City, having preliminary plans prepared by H. Reynolds, Terminal Arcade, Oklahoma City, 2 story and basement, 110 x 160 ft., native stone and timber, Park St., here, for Medicine Park Club. $150,000.

Okla., Muskogee — COURT HOUSE — Muskogee Co. having plans prepared by Bassham & Howenstein, 702 Barnes Bldg., Muskogee, and Monnot & Reid, Empire Bldg., Oklahoma City, tentatively selected archts. and engrs., probably 3 or 4 story courthouse. Election soon $500,000 bonds for same. Noted Aug. 16.

Okla., Oklahoma City—GARAGE—Buick Motor Co., 504 Bdwly. St., making preliminary plans 2 story and basement, 100 x 100 ft., rein.-con. and brick, plain foundation, 10th St. and Bway. $200,000. Engineer and architect not selected.

Okla., Tulsa — OFFICE and STORE — Tulsa Building & Loan Assn., 4 East 5th St., c/o C. F. Bruce, pres., having plans prepared by L. I. Shumway, 725 New Wright Bldg., 6 story and basement, 100 x 116 ft., rein.-con. and brick, plain foundation, 4th St. between Main and Boston Sts. $350,000.

Colo., Denver—APARTMENT—Federal Development & Impvt. Assn., West 47th St. and Federal Blvd., having plans prepared by H. J. Manning, Capitol Life Insurance Bldg., 3 story and basement, 80 x 284 ft., brick and timber apartment building. $185,000.

Colo., Denver — OFFICE — Bosworth, Chaunte & Co., Ferguson Bldg., having plans prepared by Fisher & Fisher, U. S. Natl. Bank Bldg., 12 story, 50 x 125 ft., rein.-con., stone and terra cotta, 17th and California Sts. $500,000.

Wash., Seattle — APARTMENT — J. A. Creutzer, archt., Medical & Dental Bldg., takes bids about Jan. 1, 3 story and basement, brick and terra cotta, 15th St. N. E. and Ravenna Blvd., for Park View Impvt. Co., c/o architect. $200,000.

Wash., Seattle—WAREHOUSE—Zellerbach Paper Co., 807 Western Ave., takes bids about Dec. 15, 4 story and basement, 120 x 150 ft., rein.-con., 1st St. and Atlantic Ave. $200,000.

Ore., Salem — BANK and OFFICE — First Natl. Bank having plans prepared 10 story, 50 x 110 ft., rein.-con. and terra cotta, State and Liberty Sts. $450,000. Engineer and architect not announced.

California — THEATRES — West Coast Junior Theatres Inc., Washington St. and Vermont Ave., Los Angeles, plans thearte, approximately 1,200 seating capacity at Culver City; 1,500 seating capacity at Redlands; 1,200 seating capacity at Santa Maria, $250,000; also 1,500 seating capacity at Ventura, $150,000. Engineer and architect not selected.

Calif., Alhambra — THEATER, STORE and OFFICE — L. A. Guerrieri having preliminary plans prepared by F. D. Harrington, 6176 Pasadena Ave., 2 story, 110 x 152 ft., Fremont Ave. and Main St. $150,000.

Calif., Bakersfield — AUDITORIUM — Plans election $150,000 to $200,000 bonds for auditorium. V. VanRiper, city clk.

Calif., Glendale—APARTMENT—A. W. Menkin, c/o H. C. Newton, archt., San Fernando Bldg., Los Angeles, having plans prepared 6 story and basement, 60 x 115 ft., rein.-con., Colorado St., here.

Calif., Glendale—STORE and OFFICE—R. L. Kent Co., 130 South Brand Blvd., having preliminary plans prepared 8 story, 50 x 100 ft., Class "A," Colorado and Brand Sts. To exceed $250,000.

Calif., Lankershim—THEATRE, STORE and APARTMENT—L. A. Smith, archt., West Coast Theatres Bldg., Los Angeles, soon takes bids 2 story, brick and concrete theatre, store and apartment, here, for West Coast Theatres, Inc., West Coast Theatres Bldg., Los Angeles. $150,000.

Calif., Los Angeles—LOFT—A. L. Miller, archt., 348 South La Brea Ave., prepared preliminary plans, 4 story, 100 x 180 ft., rein.-con., San Pedro St. near Jefferson St. $150,000. Owner's name withheld.

Calif., Los Angeles—THEATRE—Cowles-Perrine Co., archts., Lincoln Bldg., prepared plans 85 x 170 ft., rein.-con., about 1,500 seating capacity, Pasadena Ave. $150,000. Owner's name withheld.

Calif., Los Angeles — THEATRE and STORE—S. Grauman, Metropolitan Theatre Bldg., had plans prepared by Meyer & Holler, Wright-Callendar Bldg., 140 x 250 ft., approximately 100 ft. high with basement, brick and steel, Orange Rd. and Hollywood Blvd. $1,000,000. Contract for steel, to McClintic-Marshall Co., Central Ave. and 110th St. Noted Oct. 2.

Calif., Los Angeles—THEATRE—Hollywood Music Box, Inc., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., having plans prepared, rein.-con., Hollywood Blvd. $150,000.

Calif., Monterey — HOTEL — J. Jullard Hotel Co., Hotel Del Monte, Del Monte, having plans prepared by C. E. Whittlesey, 6533 Hollywood Blvd., Los Angeles, 7 story and basement, 150 room, Class A, Main and Franklin Sts. $400,000.

Calif., Monterey — THEATRE — Reid Bros., archts., 105 Montgomery St., San Francisco, soon takes bids steel and rein.-con., 1,500 seating capacity, Alvarado St., here, for Monterey Theatre Co. $150,000.

Calif., Oakland — WAREHOUSE — Lawrence Warehouse Co., A. T. Gibson, pres., 37 Drumm St., San Francisco, plans 5 story, rein.-con., 1st and Water Sts. $350,000. Engineer and architect not selected.

Calif., Richmond — BANK, OFFICE and STORE — Mercantile Trust Co. of California, 464 California St., San Francisco, having plans prepared by N. Blaisdell, 255 California St., San Francisco, 4 story, 50 x 108 ft., brick, 10th St. and Macdonald Ave., here. $150,000. Noted Oct. 22.

Calif., San Francisco—APARTMENTS—Marian Realty Co., 110 Sutter St., had plans prepared by Rousseau & Rousseau, 110 Sutter St., two 6 story and basement, rein.-con., Franklin and Sacramento Sts. $165,000 each.

Calif., San Francisco — GARAGE — J. Pasqualetti, Humboldt Bank Bldg., having plans prepared 3 to 6 story and basement, rein.-con., Stockton St. near Green St. $150,000 or more. Private plans.

Calif., San Francisco — GARAGE and STORE—E. Tropp, E. Murphy & Bell Bros., 129 Sutter St., having plans prepared by E. H. Denke, 1317 Hyde St., 10 story and basement, steel and rein.-con., O'Farrell St. near Powell Ave. $800,000.

Calif., San Francisco — STORE — The Emporium, Market St. opposite Powell St., plans 150 x 200 x 275 x 550 x 825 ft., fireproof, in vicinity Market St. $3,000,000-$5,000,000.

Calif., Santa Barbara—STORE and OFFICE—H. G. Stockton, c/o J. M. Cooper, archt., Rives-Strong Bldg., Los Angeles, had plans prepared 2 story and basement, 236 x 238 ft., rein.-con., State and Figueroa Sts., here. $225,000.

Calif., Santa Cruz—BATHHOUSE—W. R. Morgan, c/o J. Leonard, engr., 381 Bush St., San Francisco, had plans prepared rein.-con., Sea Cliff Park. $150,000.

Calif., Santa Cruz — STORE — Seaside Dept. Store, Church St. and Pacific Ave., having plans prepared by W. H. Weeks, Tribune Tower Bldg., Oakland, 2 story and basement, brick and terra cotta addition. $150,000.

Calif., Santa Monica — CLUB — Breakers Club, Spring-Arcade Bldg., Los Angeles, having sketches made by A. B. Rosenthal, Hillstreet Bldg., Los Angeles, part 3 and 9 story, 125 x 220 ft., rein.-con., Marine Terrace, here. $750,000. Noted Oct. 15.

Calif., Santa Maria — THEATRE and STORE — H. C. Dorsey, Gaiety Theatre, having plans prepared by A. B. Rosenthal, Hillstreet Bldg., Los Angeles, 140 x 150 ft., rein.-con., 1,000 or more seating capacity, Church St. $150,000.

Calif., Stockton — OFFICE — Medico-Dental Building Co. having plans prepared by Mayo, Cowell & Bissell, 21 South San Joaquin St., 12 story, Class "A" construction. $625,000.

Calif., Tulare — THEATRE, STORE and OFFICE — R. A. Hazet, et al., c/o Miller & Pflueger, archts., Lick Bldg., San Francisco, had plans prepared Class "A," 1,400 to 1,500 seating capacity, L. and Tulare Sts., here. $150,000.

Ont., Toronto—OFFICE—City plans 3 or 4 story and basement, rein.-con., brick and steel, City Hall Sq. $200,000. E. J. Lennox, 364 Bay St., will probably be archt.

Ont., Toronto—OFFICE—York Twp. 40 Jarvis St., had plans and estimates prepared 3 story and basement office building. $200,000. F. B. Goedike, 40 Jarvis St., engr. Noted July 16.

BIDS DESIRED

Mass., Jamaica Plain (Boston P. O.) — HOME—Home for Aged Women, c/o Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., Boston, taking bids 5 story and basement, 160 x 180 ft., brick and stone, South Huntington Ave. and Jamaica Way, here. $450,000. Noted Aug. 6.

Mass., Roxbury (Boston P. O.)—HOME—See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

Pa., Phila. — SALES and SERVICE—Nov. 27, by P. S. Tyre, archt., 114 South 15th St., 4 story and basement, 200 x 265 ft., rein.-con. and brick, plain foundation, 3221-39 North Broad St., for Packard Motor Co., 319 North Broad St. $1,000,000. Noted Sept. 17.

Pa., Pittsburgh — GARAGE — R. Irvin & Co., archts., Ferguson Bldg., taking bids 4 story and basement, 90 x 172 ft., rein.-con. and brick, 4th Ave., for Pittsburgh Parking Co., c/o architects. $150,000.

O., East Cleveland (Cleveland P. O.)—APARTMENT—W. Yelsky, 1515 Glenmont Pl., Cleveland, taking bids 3 story and basement, 79 x 111 ft., brick and timber, 14720 Superior Ave. $150,000. M. Altschuld, 5116 Woodland Ave., Cleveland, archt.

Ind., Gary—APARTMENT—See "Contracts Awarded."

Ind., Richmond—THEATRE—M. E. Remley Realty Corp., taking bids 2 story and basement, 45 x 126 ft., brick, steel and rein.-con., 9th St. $150,000. T. D. Jacobs, 28 West Lake St., Chicago, Ill., archt.

Wis., Madison—DORMITORY—Peacock & Frank, archts., 445 Milwaukee St., Milwaukee, taking bids 4 story and basement, brick and concrete, plain foundation, Butler and Gilman Sts., here, for Badger Building Service, 445 Milwaukee St., Milwaukee. $250,000.

Kan., Oberlin—COURT HOUSE—Dec. 1, by Squires & Ross, archts., 630 Kansas Ave., Topeka, 2 story and mezzanine, 70 x 100 ft., rein.-con., brick and terra cotta, here, for Decatur Co. $150,000. Noted Nov. 12.

Mo., Kansas City — THEATRE — See "Contracts Awarded."

Mo., St. Louis—HOSPITAL—Dec. 22, by Bd. Pub. Serv., 208 City Hall, 2 story and basement, rein.-con., brick and stone administration building for isolation hospital, Arsenal St., for City. $270,000. L. R. Bowen, archt. and H. Updike, engr., both 301 City Hall.

Calif., Los Angeles — OFFICE — Sun Realty & Investment Co., 1001 Lincoln Bldg., taking bids 12 story and basement, 117 x 137 ft., rein.-con. and steel, 7th and Flower Sts. $1,200,000. Curlett & Beelman, 408 Union Bank Bldg., archts. Noted Aug. 27.

Calif., Los Angeles—STORE and LOFT—Curlett & Beelman, archts., 408 Union Bank Bldg., taking bids 6 story and basement, 82 x 130 ft., stucco an' rein.-con., Los Angeles St. between 5th and 6th Sts., for Army & Navy Store. $200,000. Noted Nov. 19.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Cuba, Havana—THEATRE—Dec. 7, by E. Weil, Inc., archts., Whitney Bldg., New Orleans, La., rein.-con., brick and steel theatre, here, for Saenger Amusement Co., Tulane and Liberty Sts., New Orleans, La. $1,000,000. Noted Aug. 20.

BIDS RECEIVED

Conn., Hartford — FIRE HEADQUARTERS — Bd. Contr. & Supply, Municipal Bldg., 3 story, 50 x 150 ft., brick and steel, Pearl St., from S. C. Poriss Co., 54 Church St., $217,287. Noted Nov. 12.

N. J., Glen Gardner — SANITORIUM — State Bd. Institutions & Agencies, Trenton, Nov. 13, general contract 3 story sanitarium, here, from C. J. Smith Constr. Co., 202 Academy St., Trenton, $237,000.

N. J., Trenton—HOSPITAL—State Bd. Institutions & Agencies, Nov. 9, from Wills-

Buildings—Commercial (Continued)

Bill Co., 1708 Sansom St., Phila., Pa., general contract 4 story, 45 x 96 ft. psychopathic building $110,400, 3 story, 29 x 169 ft. physicians building $80,440, and 3 story, 33 x 44 ft. nurses home, $50,746; from Butler-Reisdorff Co., 120 East 41st St., New York City, 2 story, 30 x 40 ft. employes building, $65,000; and from T. M. Day & Sons, Day Bldg., 4 story, 11 x 44 ft. convalescent building, $100,000, all above buildings for New Jersey State Hospital. Noted Oct. 29.

CONTRACTS AWARDED

N. Y., Brooklyn—CLUB HOUSE—McKim, Mead & White, archts., 101 Park Ave., New York City, 12 story, 162 x 185 ft., brick, steel and stone, plain foundation, Boerum Pl., Schermerhorn and Livingston Sts., here, to G. F. Driscoll Co., 548 Union St., for B. P. O. E. Lodge 22, South Oxford St. $2,600,000. Noted Nov. 12.

Md., Baltimore—CLUB—City Club Building Co., J. L. Alcock, pres., Munsey Bldg., 5 story and basement, 68 x 100 ft., rein.-con., brick and steel, plain foundation, St. Paul and Saratoga Sts., to Price Constr. Co., Maryland Trust Bldg., Baltimore, $500,000. Noted Sept. 24.

Mass., Boston—OFFICE—Amer. Unitarian Associates, J. L. Cornish, pastor, 25 Beacon St., 5 story and basement, brick, plain foundation, to Boyle-Robertson Constr. Co., 370 Commonwealth Ave. Archts. est. to exceed $150,000. Noted Oct. 22.

Mass., Brighton (Boston P. O.)—EXCHANGE—New England Telephone & Telegraph Co., 50 Congress St., Boston, 2 story and basement, 40 x 130 ft., rein.-con. and brick, 40 Henshaw St., here, to Sawyer Constr. Co., 16 Arlington St., Boston. Archts. est. $150,000.

Mass., Dorchester (Boston P. O.)—HOME, etc.—Old Peoples Home, M. Morse, chn. com., Hotel Avery, Boston, home and dormitories, rein.-con. and brick, King, Queen and Train Sts., here, to B. Steinberg, 6 Beacon St., Boston. Archts. est. $500,000. Noted Oct. 29.

Mass., Everett (Boston P. O.)—EXCHANGE—New England Telephone & Telegraph Co., 50 Oliver St., Boston, 2 story and basement, 71 x 95 ft., rein.-con., brick and steel, Chelsea and Victoria Sts., here, to J. C. Pitcher Co., 46 Cornhill St., Boston. Archts. est. to exceed $150,000. Noted Oct. 29.

Mass., Hyde Park (Ind. sta. Boston)—BANK—Hyde Park Co-Operative Bank, 2 story and basement, 45 x 75 ft., rein.-con., brick and steel, plain foundation, to J. F. Griffin Co., 15 Exchange St., Boston. Archts. est. $150,000. Noted Sept. 10.

Mass., Quincy—HOSPITAL—J. T. Reynolds, 1144 Furnace Brook Parkway, 2 story and basement, 50 x 160 ft., rein.-con. and brick, Readon St., to S. O. Stevens, Newport Ave. Archts. est. $150,000.

Mass., Roxbury (Boston P. O.)—HOME—M. Rubenstein, Howland St., will build 3 story and basement, brick, plain foundation, Maple St., by day labor. $150,000. S. S. Levy, 35 Court St., Boston, archt.

N. Y., Elmira—HOSPITAL—Ogden Memorial Hospital, 4 story, brick, steel and stone, plain foundation, to F. H. Johnson, 300 West Church. Archts. est. $300,000.

N. Y., Mt. Vernon—BANK—Amer. Natl. Bank, 2 North 4th Ave., 3 story, brick, steel and stone, plain foundation, 4th and Stevens Aves., to J. Lowry, Inc., 270 Madison Ave., New York City. Archts. est. $250,000.

N. Y., New York—APARTMENT—Winfred Realty Corp., c/o E. Roth, engr. and archt., 119 West 40th St., will build 20 story, 100 x 185 ft., brick, steel and stone, plain foundation, Park Ave. and 56th St., by day labor. $1,700,000.

N. Y., New York—APARTMENT—K Constr. Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., will build 6 story, brick, steel and stone, plain foundation, West 171st St., by day labor. $150,000.

N. Y., New York—APARTMENT—Samborn Realty Corp., c/o Gronenberg & Leuchtag, engrs. and archts., 450 4th Ave., will build 6 story, 90 x 100 ft., brick, steel and stone, plain foundation, East 84th St., by day labor. $200,000.

N. Y., New York—LOFT—A. E. Lefcourt, 1351 Bway., will build 23 story, brick, steel and stone, plain foundation, 7th Ave. and 23rd St. $7,000,000. Work will be done by separate contracts under owners supervision. Engineer and architect not selected.

N. Y., Woodside (Ind. Sta. Flushing)—THEATRE and OFFICE—Woodboro Realty Co., c/o H. J. Krapp, engr. and archt., 1650 Bway., New York City, brick, steel and stone, plain foundation, 41st and Roosevelt Aves., to O'Day Constr. Co., 1639 Bway., New York City. Archts. est. $200,000.

Va., Yorktown—HOTEL—Yorktown Manor Hotel Corp., c/o J. H. MacDowell, archt., Bulkley Bldg., Cleveland, O., 4 story and basement, rein.-con. and brick hotel, here, to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $1,000,000.

Ga., Atlanta—GARAGE—W. T. Candler, Candler Bldg., 3 story, rein.-con. and brick garage, to H. J. Carr & Co., Candler Bldg. Archts. est. $300,000.

Ga., Atlanta—THEATRE—W. F. Wincoff, Austill Bldg., 100 x 150 ft., rein.-con. and brick, 509 Peachtree St., to Griffin Hodges Co., Bona Allen Bldg. Archts. est. $300,000. A. L. Erlinger, 214 West 42nd St., New York City, lessee.

Tenn., Memphis—HOSPITAL—Memphis Eye, Ear, Nose & Throat Hospital, B. Cohn, secy., 4 story, rein.-con. and brick, Madison Ave. and Somerville St., to H. J. Gilbertson Constr. Co., Goodbar Bldg., $110,000. Noted Sept. 10.

Ind., Gary—APARTMENT—B. McNair, 526 Bway., will build 3 story and basement, 100 x 125 ft., brick, steel and rein.-con., concrete pile foundation, Bway., by day labor. $155,000. J. Wildermuth, 673 Bway., archt.

Ind., Gary—HOTEL—A. E. Deutch, 522 Bway., 3 story and basement, 125 x 180 ft., brick, steel and rein.-con., concrete pile foundation, Bway., to M. Gerometa, 513 Bway. Archts. est. $300,000.

Ind., Hammond—OFFICE—Northern States Insurance Co., general contract 90 x 120 ft., brick and stone, to Anderson & Winblad, 6235 South Michigan Ave., Chicago. Archts. est. $200,000.

Ind., Indianapolis—LODGE—Knights of Pythias Lodge, 3 story and basement, 75 x 120 ft., brick and steel, concrete pile foundation, Meridian Ave., to E. C. Strathman, Meyer-Kiser Bank Bldg. Archts. est. $185,000. Noted Aug. 6.

Ind., Indianapolis—OFFICE—H. Foltz, archt., Wild Bank Bldg., 8 story and basement, 55 x 80 ft., brick, steel and rein.-con., concrete pile foundation, North Delaware St., to W. P. Jungclaus Co., 825 Massachusetts Ave., for Indiana Lumbermens Insurance Co. Archts. est. $300,000. Noted Aug. 27.

Mich., Detroit—APARTMENT—Briggs Development Co., c/o W. O. Briggs, 11631 Mack Ave., 5 story and basement, 91 x 166 ft., rein.-con., brick and steel, plain foundation, Covington Dr., to Bryant & Detwiler, 2336 Dime Bank Bldg. Archts. est. $500,000. Noted Oct. 1.

Mich., Detroit—HOTEL—Salvation Army, D. D. Durham, 2nd and Michigan Aves., 3 story and basement, 75 x 100 ft. and 50 x 100 ft., reni.-con. and brick, plain foundation, Howard St., to Malow-Barry Co., 524 McKerchey Bldg., Detroit, $150,000. Noted Mar. 19.

Mich., Pontiac—THEATRE—C. B. Wilson, 4 story and basement, 61 x 164 ft., rein.-con., brick and steel, plain foundation, South Saginaw St., to Pryale Constr. Co., 701 Pontiac Commercial Bank Bldg., about $150,000.

Ill., Chicago—WAREHOUSE—Warner Bros. Fireproof Storage Co., 2819 Bway., general contract 5 story and basement, 64 x 120 ft., rein.-con., brick, steel and terra cotta, 7619-21 North Paulina St., to R. Sollitt & Co., North La Salle St. Noted Oct. 29.

Wis., Madison—THEATRE—Parkway Theatre Co., c/o W. G. Beecroft, East Mifflin St., 1 story, 60 x 200 ft., rein.-con., brick and steel, plain foundation, to A. S. and J. V. Frederickson, 702 East Main St. Noted Oct. 29.

Minn., Minneapolis—HOSPITAL—Northwestern Hospital, 2627 Chicago Ave., general contract for superstructure 6 story and basement, 67 x 119 ft., rein.-con., brick, tile and stone addition, 2644-54 Elliot Ave., to C. F. Haglin & Sons Co., 226 Lumber Exch. Bldg., approximately $250,000. Noted Sept. 17.

Kan., Lawrence—MEMORIAL—Memorial Corporation of University of Kansas, complete enclosure, etc., 3 story and basement, 79 x 134 ft., rein.-con., brick and stone memorial building, to Gordon-Walker Co., Jefferson City, Mo., $93,000. Noted Oct. 8.

Kan., Wichita—HOTEL—Industrial Builders (archts. and contractors), 620 West Douglas Ave., will build 10 story and basement, 125 x 125 ft., rein.-con., brick, steel, marble and terra cotta hotel, for F. W. Stevens, et al., 620 West Douglas Ave. Noted Nov. 12.

Neb., Omaha—POSTAL TERMINAL—Chicago, Burlington & Quincy R.R. Co., 547 Jackson Blvd., Chicago, Ill., general contract 4 story and basement, 119 x 264 ft., brick, 11th and Mason Sts., to Hyde Constr. Co., 452 Brandeis Theatre Bldg. Archts. est. $600,000. Noted Oct. 29.

N. D., Fargo—LODGE—Grand Lodge A. O. U. W., c/o B. C. Marks, Fargo, general contract 3 story and basement, 60 x [illegible] ft., rein.-con. and stone, 10th St. and 2nd Ave., to T. F. Powers & Co., 419 8th St. N., $101,800. Noted Oct. 29.

Mo., Kansas City—THEATRE—G. Boden, 3611 Indiana Ave., will build 3 story and basement, 75 x 135 ft., rein.-con., brick and steel theatre, by day labor. $150,000. Wilkinson & Carnes, 608 Interstate Bldg., archt.

Mo., North Kansas City—WAREHOUSE and OFFICE—Pennsylvania Petroleum Co., 13th and Charlotte Sts., Kansas City, 1 story, 113 x 175 ft., rein.-con., brick and steel, to Miller-Stanch Constr. Co., Ry. Exch. Bldg., Kansas City.

Mo., St. Louis—BANK, etc.—Jefferson-Gravois Bank, 2534 South Jefferson Ave., 3 story and basement, 50 x 125 ft., rein.-con., brick and stone, Jefferson and Gravois Aves., to St. Louis Bank Equipment Co., 811 Walnut St. Archts. est. $200,000. Noted Oct. 15.

Mo., St. Louis—GARAGE—Reid Bros. Express Co., 6111 Bertha Ave., 2 story and basement, rein.-con. and brick, 890-912 Hodiamont Ave., to Smith Bros. Constr. Co., 890-912 Hodiamont Ave. Archts. est. $150,000.

Colo., Denver—OFFICE—Midland Savings & Loan Co., 17th and California Sts., 10 story and basement, 50 x 125 ft., rein.-con., to A. Simpson, Jr., 2150 Curtis St. $500,000, cost plus basis.

Colo., Denver—OFFICE—Continental Oil Co., 10 story and basement, 125 x 125 ft., steel and rein.-con., 18th and Glenarm Sts., to G. M. Tamblyn, Sweeney Bldg. $721,000; plumbing and heating, to Johnson-Davis Plumbing & Heating Co., Denver, $99,000. Noted June 18.

Colo., Pueblo—OFFICE—Southern Colorado Invesment & Development Co., general contract 4 story, 120 x 205 ft., 4th and Main Sts., to Windsor & Lund, Guardian Trust Bldg., Denver, $318,000.

Calif., Bakersfield—HOSPITAL—Mercy Hospital, 4 story and basement, 55 x 114 ft., rein.-con. wing addition, to W. G. Reed, Film Exch. Bldg., Los Angeles, $150,000. Noted Oct. 15.

Calif., Long Beach—OFFICE—W. P. Wilson, 8 story and basement, 50 x 150 ft. medical office building, rein.-con., Pine Ave. and 8th St., to Newton & Wilkie, Markwell Bldg. Annex, $400,000.

Calif., Los Angeles—LOFT—S. V. Riley, 7 story, 90 x 150 ft., rein.-con., 11th and Santee Sts., to Mann Bldg. Co., 416 I. W. Hellman Bldg., $180,000.

Calif., Los Angeles—STORE, APARTMENT and HOTEL—Oberndorf Bros., Consolidated Bldg., 4 story, 90 x 135 ft., brick and concrete, West 8th St., to C. Thoren, 5614 4th Ave., $195,750. Noted June 25.

Calif., Los Angeles—WAREHOUSE—Goodyear Tire & Rubber Co., 6701 South Central Ave., 4 story, 100 x 280 ft., rein.-con., Central Ave., to Lynch-Cannon Eng. Co., 1027 Chapman Bldg., $205,000.

Calif., Oakland—THEATRE—Trans-Bay Theatres, c/o A. A. Cantin, archt., 544 Market St., San Francisco, Class A, 2,000 seating capacity, Telegraph Ave. near 38th St., to Monson Bros., 251 Kearny St., San Francisco, $250,000.

Calif., Pacific Grove—HOTEL—S. S. Parson, 5 story, rein.-con., to C. L. Wold, 185 Stevenson St., San Francisco, $220,000.

Calif., Pasadena—CLUB—Pasadena Athletic & Country Club, general contract 6 story, 149 x 192 ft., steel and rein.-con., incl. swimming pool, Green St. and Los Robles Ave., to W. A. Taylor & Sons, 32 West Union St., $227,029. Noted Nov. 5.

Calif., San Francisco—APARTMENT—L. D. Stoff, 26 Montgomery St., will build 4 story and basement, rein.-con., Sacramento St. near Franklin St., by day labor and sub-contracts. $150,000.

Calif., San Francisco—OFFICE—Meyer & Johnson, archts., 742 Market St., 15 story and basement, rein.-con. and steel, California and Montgomery Sts., to Macdonald & Kahn, 130 Montgomery St., $1,500,000. Owner's name withheld.

Calif., San Jose—CLUB—Y. W. C. A., 4 story, fireproof annex, 2nd. and San Antonio Sts., to R. O. Summers, 17 North 1st St., $154,147. Noted Apr. 2.

Calif., San Pedro—OFFICE—Channel Building Corp., Bank of Italy Bldg., Los Angeles, 10 story and basement, 66 x 327 ft., rein.-con., 1st and Front Sts., to Palmer

Buildings—Commercial (Continued)

Co., Insurance Exch. Bldg., approximately $500,000. Noted Oct. 1.

Calif., **Wilmington** — WAREHOUSE — Smart & Final, 3 story, 100 x 150 ft., rein.-con. warehouse, incl. 10,000 gal. water pressure tank and rein.-con. loading platforms, to J. M. Cooper, 321 Rives-Strong Bldg., Los Angeles. Archts. est. to exceed $150,000.

Ont., **Toronto**—EXHIBITION—Canadian Natl. Exhibition, Lumsdon Bldg., general contract, 1 story and basement, brick, steel and stone, Exhibition Park, to Sullivan & Fried, 81 Victoria St., $488,677. Noted July 9.

Ont., **Toronto** — OFFICE — Imperial Oil Co., 56 Church St., general contract 8 story and basement, 80 x 100 ft., rein.-con., brick and steel, plain foundation, Church St., to Jackson Lewis Co., Ltd., Federal Bldg., Toronto. Archts. est. $300,000. Noted Oct. 1.

Buildings—Educational, Religious

PROPOSED WORK

N. H., Nashua — SYNAGOGUE — Beth Abraham Congregation, c/o H. K. Wheeler, archt., 9 Main St., having preliminary plans prepared 1 story and basement, brick and stone, Cross and Lock Sts. $150,000.

Mass., Framingham — CHURCH — First Baptist Church having plans prepared by C. M. Baker, 25 Arch St., Boston, 1 story and basement, stone and granite church. $150,000.

Mass., Pittsfield—HIGH SCHOOL—City, C. L. Hibbard, chn. com., having sketches made by J. D. Leland & Co., archts., 41 Mt. Vernon St., Boston, and Harding & Seaver, associated archts., 7 North St., 2 story and basement, brick high school. $200,000.

Mass., Springfield—COMMUNITY—Baptist Church and Springfield Y. M. C. A., c/o A. B. Reynden, 200 Buckingham St., plan community building, Oak Grove Ave. and State St. To exceed $150,000. Engineer and architect not selected.

Mass., Winchester—SCHOOL—Town, C. R. Main, chn. Building Com., having revised plans prepared by Derby & Robinson, 5 Joy St., Boston, 2 story and basement, brick, plain foundation, Appalachian and Highland Aves. $150,000. Former bids rejected. Noted Sept. 17.

R. I., Providence—TABERNACLE, etc. —Methodist Episcopal Tabernacle, Olneyville Sq., having sketches made by Woodbury & Stuart, 581 Boylston St., Boston, tabernacle, stores, etc. $200,000.

R. I., Providence — TEMPLE — Temple Emanuel Society, P. C. Joslin, pres., Industrial Trust Bldg., having plans prepared by Krokyn, Brown & Rosenstein, 220 Devonshire St., Boston, Mass., brick and steel, Sessions St. and Morris Ave. $250,000.

Conn., New Britain — CONVENT — St. Joseph's Convent, 205 South Main St., J. F. Donahue, pastor, plans rebuilding convent, recently destroyed by fire. $150,000. Engineer and architect not selected.

Pa., Overbrook (Phila. P. O.) — SEMINARY and CHAPEL—Seminary St. Charles Borromio, Highland and Wynnwood Sts., having plans prepared by P. A. Monaghan, 1713 Sansom St., Phila., Junior Seminary and Chapel, 4 story and basement, 40 x 600 ft. with three 45 x 200 ft. wings, rein.-con., granite, limestone and steel, plain foundation, Highland and Wynnwood Sts. $1,000,000.

Tenn., Nashville—SCHOOL—State Bd. Educ., State Capitol, P. D. Hamed, comr., having preliminary plans prepared by Tisdale & Stone, Independent Life Bldg., additional buildings for A and I State Normal School. $300,000.

O., Akron—SCHOOL—Bd. Educ. having plans prepared by M. M. Kornoski, Central High School, for Hotchkiss Grade School, 2 story and basement, concrete, brick and steel, Irene Ave. $250,000.

O., Ashtabula — HIGH SCHOOL — Bd. Educ., C. E. Peck, clk., having plans prepared by Warner & McCornack, Buckley Bldg., Cleveland, Junior High School, 3 story and basement, brick, concrete and steel. $350,000 bonds voted for same.

O., Cleveland—SCHOOL—Bd. Educ., F. G. Hogen, dir., had plans prepared by G. M. Hopkinson, Sixth-St. Clair Bldg., 2 story and basement, 112 x 128 ft., brick, steel and concrete addition, East 55th St. $200,000.

O., Cleveland—SCHOOL—Bd. Educ., F. G. Hogan, dir., had plans prepared by G. M. Hopkinson, Sixth-St. Clair Bldg., 2 story and basement, 72 x 170 ft., concrete, brick and steel addition, Howard Ave. $200,000.

O., Grandview (Columbus P. O.)—HIGH SCHOOL—Bd. Educ., S. R. Scholes, clk., having plans prepared by W. H. Tremaine, Chamber of Commerce Bldg., Columbus, 2 story and basement, 112 x 126 ft. high school. $175,000.

O., Lakewood (br. Cleveland)—SCHOOL —Bd. Educ., G. W. Gritt, clk., 1456 Warren Rd., having preliminary plans prepared by C. W. Hopkinson, 900 Rose Bldg., Cleveland, 2 story and basement, brick, steel and concrete school. $150,000 bonds voted.

Ind., Indianapolis—CHURCH—Methodist Episcopal Church, 29th St. and Bway., having plans prepared by H. Foltz, J. K. Wild Bldg., and takes bids about Dec. 1, brick, steel and rein.-con. church. $500,000.

Ind., Muncie—LIBRARY and CHAPEL—Ball Teachers College, B. V. Burris, pres., takes bids about Dec. 1, 2 story and basement, 125 x 150 ft., brick, concrete and stone, in Normal City. $250,000. Snyder, Babbitt & Mathews, 16 East Broad St., Columbus, O., archts. Noted Aug. 27.

Ill., Rock Island — DORMITORY — Augustana College, 7th Ave. and 38th St., G. A. Andreen, pres., having plans prepared by Cervin & Horn, 310 Safety Bldg., and soon takes bids 3 story and basement girls dormitory, rein.-con. and brick, plain foundation. $150,000.

Wis., Marshfield — VOCATIONAL and JUNIOR HIGH SCHOOL—School Bd., M. Hansen, clk., having plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, 2 story and basement, brick and tile high school. $200,000 bond election Nov. 24 for same.

Wis., Milwaukee—UNIVERSITY—University of Wisconsin, Madison, J. D. Phillips, bus mgr., purchased site at 7th and State Sts. and having plans prepared by A. Peabody, state archt., Madison, brick and concrete, university extension, plain foundation, here. $500,000.

Minn., Rochester—SCHOOL—Bd. Educ., S. L. Seaman, clk., having plans prepared by J. H. Crawford, Rochester, and soon takes bids 3 story and basement, 64 x 244 ft., rein.-con., brick and stone school. $300,000. Noted June 18.

Kan., Junction City — SCHOOLS — Defeated $245,000 bonds, 2 grade schools. Noted Oct. 22.

Kan., Olathe — SCHOOL — Election soon $150,000 bonds, high school for Bd. Educ. Sayler & Payson, 505 Interstate Bldg., Kansas City, Mo., archts.

Neb., Lincoln—ATHLETIC—University of Nebraska, E. A. Burnett, dean, plans 3 story and basement, rein.-con. and brick athletic building on campus. $150,000.

Neb., Lincoln—CHURCH—First Christian Congregation, c/o R. E. Hunt, pastor, had preliminary plans prepared by E. G. Groves, 222 Foster Bldg., Denver, Colo., and soon takes bids 1 story and basement, 142 x 144 ft., brick, stone and concrete church. $240,000.

N. D., Grand Forks — Wesley College, c/o W. L. Airheart, pres., Grand Forks, plans 3 story and basement, rein.-con., brick and stone school. $300,000. Engineer and architect not announced.

Tex., Wichita Falls—CHURCH—First Methodist Church, W. J. Johnson, pastor, having plans prepared by Sanguinet, Staats, Hedrick & Pate, Wichita Falls, 2 story and basement, 80 x 130 ft. main building, 3 story L wing for Sunday school room, and auditorium, etc. $350,000. Noted Oct. 1.

Wash., Seattle—CHURCH—J. Graham, archt., Dexter Horton Bldg., takes bids about Jan. 11, 1 story, 102 x 105 ft., concrete and brick, Gothic design church, 14th St. N. E. and East 42nd St., for University Methodist Church, c/o J. E. Crowther, pastor. $170,000.

Calif., Auburn — HIGH SCHOOL — Plans election $250,000 bonds, altering and constructing 2 additions, incl. automechanics shops, for Placer Union High School Dist. W. H. Weeks, 369 Pine St., San Francisco, archt.

Calif., El Segundo—HIGH SCHOOL—Bd. Educ. of Los Angeles having plans prepared by W. W. Rea & C. E. Garstang, Trust & Savings Bldg., Los Angeles, high school, in El Segundo Dist., here. $250,000.

Calif., Fresno—SCHOOLS—Plans election $1,800,000 bonds for high school and additions, and $1,100,000 bonds for elementary schools and additions. Noted June 18.

Calif., Los Angeles—CHURCH—Blessed Sacrament Parish, Roman Catholic Diocese, having plans prepared by T. F. Power, 2615 West 7th St., 1 story, 98 x 248 ft., rein.-con., stucco and stone, 6659 Sunset Blvd. $150,000.

Calif., Los Angeles—COLLEGE—Roman Catholic Archbishop of Los Angeles having sketches made by A. C. Martin, Higgins Bldg., about 3 story, probably brick and rein.-con., Detroit and 3rd Sts. $175,000.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. having plans prepared by Noerenberg & Johnson, Los Angeles Ry. Bldg., Luther Burbank Junior High School. $350,000.

Calif., Mountain View—SCHOOL—Plans election $150,000 bonds, school for Mountain View Grammar School Dist.

Calif., San Francisco — POLYTECHNIC HIGH SCHOOL—City and San Francisco Co. having plans prepared by J. Reid, Jr., 1st Natl. Bank Bldg., high school addition. To exceed $150,000.

Calif., Ventura—HIGH SCHOOL—Voted $359,000 bonds, for high school. J. C. Austin & F. M. Ashley, Chamber of Commerce Bldg., Los Angeles, archts.

Ont., Toronto—SCHOOL—Bd. Educ. having plans prepared by C. Dyson, 155 College St., 3 story and basement, 12 room, rein.-con., brick and steel addition to Riverdale Technical School, plain foundation. $175,000.

Ont., Toronto — SCHOOL — York Twp. having sketches made by Burden & Gouinlock, 101 King St. W., 2 story and basement, 24 room, rein.-con., steel and brick addition to Rawlinson Public School, plain foundation. $215,000.

BIDS DESIRED

Mass., Pittsfield — CHURCH — Christian Science Benevolent Assn., c/o J. McArthur Vance, archt., 24 North St., taking bids 1 story and basement, 70 x 100 ft., brick and stone church. $150,000. Noted Mar. 5.

Pa., Phila.—HIGH SCHOOL—Dec. 1, by Bd. Educ., J. D. Cassel, supt. buildings, 19th and Arch Sts., Senior High School, 4 story and basement, 159 x 268 ft., rein.-con. and brick, plain foundation, Media St. between 53rd and Peach Sts. $1,000,000. I. T. Catharine, 19th and Chestnut Sts., archt.

La., New Orleans—SCHOOL—Dec. 11, by E. A. Christy, supervising archt. Orleans Parish School Bd., for Craig School, 2 story, brick and timber, St. Philip and Marais Sts., etc. $220,000.

Ind., Indianapolis — COLLEGE — See "Contracts Awarded."

Mich., Detroit—SCHOOL—Dec. 4, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, 200 x 200 ft., rein.-con., brick and steel, plain foundation, Clayton and Cicotte Aves. $400,000. McGrath, Dohmen & Page, 2231 Park Ave., engrs. Noted Nov. 12.

Mich., Highland Park (br. Detroit) — SCHOOL—Dec. 8, by H. C. Daley, bus. mgr. Bd. Educ., 2nd Blvd. and Glendale Ave., 3 story, 100 x 200 ft., rein.-con., brick and steel, plain foundation, Buena Vista Ave. $200,000. M. R. Burrowes & F. Eurich, Jr., 415 Brainard St., Detroit, archts.

Ill., Chicago—HIGH SCHOOL—Dec. 15, by Bd. Educ., 646 South Clark St., Charles L. Hutchinson Junior High School, 3 story and basement, 245 x 475 ft., rein.-con. and brick, plain foundation, Wellington and Nordica Aves. $1,200,000. J. E. Christenson, 646 South Clark St., archt.

Wis., Milwaukee—SCHOOL, etc.—Gurda & Gurda, archts., 448 Mitchell St., taking bids 2 story and basement, 50 x 140 ft. and 57 x 88 ft. school and church, also 47 x 50 ft. boiler house, brick and tile, plain foundation, for St. Helens Congregation, 676 Becker St. $150,000.

Minn., Bemidji — COLLEGE, etc. — See "Buildings—Industrial."

Calif., Covina — SCHOOL — California Preparatory School for Boys, taking bids 2 story, 50 x 69 ft. administration building, 1 and 2 story, 70 x 171 ft. school, 2 story, 38 x 80 ft. dining hall and servants quarters, 2 story gymnasium, 50 x 110 ft. swimming pool, etc., timber and rein.-con. $150,000. R. Meier, 402 Title Insurance Bldg., Los Angeles, archt.

Calif., Los Angeles—CHURCH—Parish of the Precious Blood, Roman Catholic Diocese, taking bids 1 story and basement, 50 x 135 ft., stone, 700 seating capacity, Occidental Blvd. and Hoover St. $150,000. H. C. Newton, 304 San Fernando Bldg., archt.

Calif., Los Angeles—HIGH SCHOOL—Dec. 2, by Bd. Educ., 2 story, 100 x 263 ft. science building, also 1 and 2 story, 60 x 179 ft. shop, brick, John C. Fremont High School site. $175,000. E. Bergstrom, City Natl. Bank Bldg., archt.

BIDS RECEIVED

Neb., Omaha—SCHOOL—School Bd., Nov. 12, Belvedere Grade School, 2 story and

Buildings—Educational, Religious (Cont.)

basement, 37th and Curtiss Sts., general contract, from Vrana Bros., Builders Exch. Bldg., $96,264.

CONTRACTS AWARDED

R. I., Barrington — HIGH SCHOOL — Peck Memorial School, 2 story and basement, 65 x 70 ft., brick and stone addition, to O. D. Purington, Industrial Trust Bldg., Providence. Archts. est. $150,000.

La., Lafayette—HIGH SCHOOL—Lafayette Parish Bd. Educ., 2 story, 35 x 134 x 252 ft., brick and stone high school, to Caldwell Bros., 304 Bolter Bldg., New Orleans. Noted Oct. 29.

O., Cleveland—SCHOOL—Bd. Educ., F. G. Hogen, dir., 2 story and basement, 65 x 149 ft., brick, steel and concrete addition, West 130th St. and Lorain Ave., to Schrader Constr. Co., Sixth-St. Clair Bldg. Archts. est. $250,000.

O., Cleveland — WAREHOUSE and GARAGE — Sterling & Welch Co., A. C. Hook, secy., 1225 Euclid Ave., 7 story and basement, 72 x 172 ft., brick, tile and steel, Chester Ave., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Archts. est. $400,000. Noted July 23.

Ind., Bloomington—LIBRARY—Indiana University, 2 and 3 story and basement, 53 x 110 ft., stone and rein.-con. library, to L. Colvin, Continental Bank, $169,427.

Ind., Indianapolis—COLLEGE—Indiana Central College will build 3 story and basement, 52 x 150 ft., brick, steel and stone, concrete pile foundation, University Heights, by day labor. $160,000. Private plans.

Ind., South Bend—DORMITORY—Notre Dame University, 2 story and basement, 82 x 140 ft., brick and steel, concrete pile foundation, to H. G. Christman, 306 South Notre Dame St. Archts. est. $200,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., 2 story and part basement, 74 x 101 ft. and 82 x 191 ft., rein.-con., brick and steel, plain foundation, Garden and Prairie Aves., general contract, to R. F. Hill, 408 West Fort St., $156,800; heating, etc., to Drake Avery Co., 210 State St., $57,449. Noted Nov. 19.

Mich., Redford—HIGH SCHOOL—Redford Union Schools, 2 story and basement, 106 x 110 ft., steel and rein.-con., Grand River Ave., to W. W. Delange, 7040 Farnsworth Ave., Detroit, $154,012; also Volney Smith School, brick, steel and concrete, to T. J. Keim, 16800 Lincoln Ave., $45,412. Noted Nov. 5 under "Detroit."

Wis., Milwaukee — NURSES HOME — Clas, Shepard & Clas, archts., 445 Milwaukee St., general contract 4 story and basement, 61 x 70 ft., brick and concrete addition to nurses home, plain foundation, Cedar St., to H. Danischefsky, 1484 Humboldt Ave., for Milwaukee Hospital, 22nd and Cedar Sts. Archts. est. $150,000. Noted Nov. 12.

Minn., Duluth — GYMNASIUM and AUDITORIUM — C. A. Bronson, secy. Duluth School Bd., 2nd Ave. W., 1 story and basement, 120 x 127 ft., rein.-con. and stucco, concrete pile foundation, Grand Ave. between 38th and 39th Sts., general contract, to Pffefer Constr. Co., 402 Builders Exch. Bldg., $187,000.

Calif., Brawley — SCHOOL — Brawley Union High School Dist., rein.-con., incl. gymnasium, shops, etc., to D. Callahan, Lankershim Bldg., Los Angeles, $159,750. Noted Nov. 19.

Ont., Toronto—SCHOOL of HYGIENE—University of Toronto, Queens Park, general contract 3 story and basement, brick, concrete and steel, to Wells & Gray, Confederation Life Bldg. Archts. est. $400,000. Noted April 2.

Federal Government Work

PROPOSED WORK

N. J., Montclair — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., rejected bids Nov. 5, 1 story, and mezzanine, brick and stone post office, here. Noted Nov. 12.

BIDS DESIRED

Mass., Hingham—Pier—Spec. 5176—Dec. 2, by Bureau Yards & Docks, Navy Dept., 1st Naval Dist., Navy Yard, Boston, repairs to pier at Naval Ammunition Depot, here. L. E. Gregory, ch. bureau.

Conn., New London—Piers—Spec. 5174—Dec. 2, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to pier at Submarine Base, here.

D. C., Wash.—Administration, etc.—Dec. 22, by U. S. Veterans Bureau, Arlington Bldg., administration and clinic buildings, at U. S. Veterans Hospital 32, Mount Alto, here. F. T. Hines, dir.; adv. E. N.-R. Nov. 26.

D. C., Wash.—Bridge—Jan. 7, at Office Executive Officer, Arlington Memorial Bridge Comn., Navy Bldg., for pier and abutments of Arlington Memorial Bridge over Potomac River; adv. E. N.-R. Nov. 26. Noted Oct. 8.

D. C., Wash.—Buoy Tender, Pumps, etc. Dec. 4, by A. L. Flint, genl. purch. officer Panama Canal, buoy tender, pumps, steel pipe, pig iron, bricks, sand, etc. as listed in Circular 1709.

D. C., Wash.—Library—Nov. 30, by D. Lynn, archt. of the Capitol, at Congressional Library, addition to Congressional Library, on 73 x 153 ft. site. $745,000.

Ga., Atlanta—Administration—Dec. 22, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., 2 story and basement administration building addition, etc., for U. S. Veterans Hospital 48, here. Also separate bids for elevator, ice making and refrigerating plant. F. T. Hines, dir.; adv. E. N.-R. Nov. 26.

Wyoming—Bridge—Dec. 1, by J. W. Johnson, dist. engr. Bureau Pub. Roads, Dept. Agriculture, 301 Custom House Bldg., Denver, Colo., improving Jackson Park Highway Natl. Forest Road Project Sect. 2 (Bridge), in Teton Natl. Forest, Teton Co., here.

Tex., Palacios—Camp—Dec. 10, by U. S. Property & Disbursing Officer for Texas, Camp Mabry, Austin, constructing kitchens, mess halls, waterworks, pumps and pumphouse, etc., for Texas Natl. Guard, here. Noted Sept. 17.

Calif., Soldiers Home (br. Sawtelle P. O.)—Hospital—Jan. 18, by Pacific Branch. Natl. Home for D. V. S., Los Angeles, at office C. W. Wadsworth, genl. treas., for hospital building, here.

Cuba, Guantanamo—Deck and Roof—Spec. 5150—Dec. 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., floating steel deck and alterations to roof of steel gasoline storage tank, at Naval Station, Guantanamo Bay, here; adv. E. N.-R. Nov. 26. Noted Oct. 29.

BIDS RECEIVED

Wis., Milwaukee—Derrick Boat—U. S. Engineer Office, Nov. 16, 15 ton steel derrick boat, from L. D. Smith Dock Co., Sturgeon Bay, $73,900. Noted Oct. 15.

Calif., Palo Alto — Water Softening Plant—U. S. Veterans Bureau, Wash., D. C., Nov. 17, water softening plant, for U. S. Veterans Hospital, here, from Page & Jones Chemical Co., Hammond, Ind., $9,350 (130 days). Noted Oct. 29.

Calif., Rio Vista—Dredging—U. S. Engineer Office, Custom House, San Francisco, Nov. 12, dredging in Sacramento River, Solano Co., from Longview Dredging & Constr. Co., Longview, Wash., **(a)** $0.069 **(b)** $0.0649 **(3)** $0.066 **(4)** $0.066. Noted Oct. 22.

CONTRACTS AWARDED

Del., Wilmington—Hull—U. S. Engineer Office, steel hull for dredge "Mantua," to Bethlehem Shipbuilding Corp., Ltd., 25 Bway., New York City, N. Y. $15,610. Noted Oct. 8.

Fla., Jacksonville—Derrick Boat—U. S. Engineer Office, steel derrick boat for dredge "Barnard," to Jahncke Dry Dock Co., Inc., New Orleans, La., $22,700. Noted Oct. 1.

Ala., Birmingham—Bank—Treas. Dept., Wash., D. C., 3 story, 75 x 110 ft., rein.-con., 5th Ave., to Krebs & Co., Walton Blk., Atlanta, Ga., $289,000. Noted Nov. 12.

Ala., Florence—Metal Doors—U. S. Engineer Office, metal doors at Wilson Dam, Tennessee River, to Art Metal Constr. Co., Jones and Gifford Aves., Jamestown, N. Y., $16,350. Noted Oct. 15.

Mich., Cheboygan — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story and basement, brick and stone post office, here, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $54,510 (12 months). Noted Oct. 8.

Oregon—Road—C. H. Purcell, dist. engr., Bureau Pub. Roads, 316 Post Office Bldg., Portland, grading and surfacing 1.4 mi. Willamette Valley-Florence Natl. Forest Highway, Lane Co., to Rust & Co., Blachly, Ore., $26,732.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Applications

646—Red River Lumber Co., Minneapolis, Minn.—Wants preliminary permit dam to divert 200 sec. ft. water into flume, 3.4 mi. long, with power structures, etc., in Hat Creek, Lassen Natl. Forest, Siskiyou Co., Calif.

647—City of Los Angeles, 207 South Bway., Los Angeles—Wants preliminary permit reservoir, dams, water power plants, etc., in Colorado River, San Bernardino Co., Calif., and Yuma and Mohave Counties, Ariz., developing 108,000 hp. to be carried out in conjunction with Bureau of Reclamation.

648—Knight, Kay, Stone, et al, Eureka, Calif.—Wants preliminary permit diversion dam, 50 ft. high, with crest 250 ft. long, and 12 mile conduit, from New River, Trinity Co., Calif.

649-651—G. B. McClary, 53 Wset Jackson Blvd., Chicago, Ill.—Wants preliminary permit 3 power developments on Rock River, one near Latham Park, Winnebago Co., Ill., one near Byron, Ogle and Winnebago Counties, Ill., and other near Grand Tour, Ogle and Lee Counties, Ill.

652—Southern Sierras Power Co., Riverside, Calif.—Wants license for 1.62 mi. transmission line, in Inyo Natl. Forest, Mono Co., Calif., to connect switch structure on Owens River Gorge.

653—Liberty Montana Mines Co., Cardwell, Mont.—Wants license 15 ft. dam, 4,400 ft. conduit, 1,151 ft. transmission line from power house to mill, South Boulder Creek, Madison Co., Mont.

Unclassified

PROPOSED WORK

Docks, Ferries, etc.—Phila., Pa.—City Council making plans wharf and docks on Delaware River between Snyder Ave. and Porter St.; also paving and repaving Marginal Sts. and approaches to pier, etc.

Resort — Pineola, N. C. — Grand View Mountain Corp., Pineola and Hendersonville, J. T. Ramseur, interested, purchased 800 acres on Grand View Mountain and plan large resort, incl. hotel, drives, water and sewer, etc. J. M. Clarke, Sarasota, pres.

Greenhouse—Indianapolis, Ind.—Baur & Steinkamp, West 38th St., plans ten 1 story, 45 x 520 ft. greenhouses, 38th St. $160,000. E. C. Doepers, City Hall, archt.

Street Signs — Peoria, Ill. — Plans synchronized electric traffic signal system, incl. 136 signals, 4 on each corner. $35,000. Former bids rejected. W. E. Backes, City Hall, engr. Noted July 2 under "Materials."

Swimming Pool, etc.—Springfield, Ill.—Plans outdoor concrete and brick swimming pool, 115 x 165 ft. outside measurements, 80 x 140 ft. pool proper, lockers, etc. $30,000. F. I. Malec, pres. Playgrounds & Recreation. Engineer not selected.

Revetment — Milwaukee, Wis. — Harbor Comn., E. Brunckner, secy., City Hall, made plans anchor pile reinforcing approximately 1,375 lin.ft. revetment on Jones Island. $75,000. F. A. Kaiser, City Hall, engr.

Golf Course—Waukesha, Wis.—Westmoor Country Club, C. S. Perry, pres., Pereles Bldg., Milwaukee, making plans laying out 127 acre site for 18 hole golf course between Highways 19 and 41, near here. $30,000. W. G. Caldwell Co., 735 Grand Ave., Waukesha, engrs.

Grand Stand—Wichita, Kan.—Western League Baseball Club, F. Isbell, pres., making preliminary plans rein.-con. and steel grandstand. $100,000.

River Terminal—Helena, Ark.—Helena Wharf Impvt. Dist., c/o Chamber of Commerce, soon takes bids rein.-con. river terminal, incl. dock, loading and unloading equipment, warehouse, etc. $375,000.

Brick Plant—Tulsa, Okla.—Acme Brick Co., Mid-Continent Bldg., plans 10,000 daily capacity brick plant. $40,000.

Paving Plant — Berkeley, Calif. — City plans purchasing equipment and establishing paving plant. $25,000 or more. J. N. Edy, city mgr.

Stadium—Sacramento, Calif.—Made preliminary plans William Land Park Stadium, 15,000 seating capacity, incl. ¼ mi. running track, concrete approaches and stairways, etc. $65,000 or more. A. J. Wagner, city engr.

Airport—San Francisco, Calif.—City and San Francisco Co. prepared estimates 1,040 x 1,264 ft. airport at Hunters Point, incl. expenditure $135,000 for site, $337,380 for dredging, rock fills and seawall, or alternate 1,880 x 3,256 ft. airport, expenditure of $1,038,500, incl. $649,268 for seawall, rock fills and dredging, and $389,132 for site. M. M. O'Shaughnessy, city engr.

Waterproofing—San Francisco, Calif.—See "Streets and Roads."

Stadium — San Leandro, (Ind. br. Oakland), Calif.—St. Marys College, Bway. and

Unclassified (Continued)

Hawthorne Sts., Oakland, plans "bowl" stadium, 50,000 seating capacity, incl. tennis courts, running tracks, etc., here.

Grain Elevator—New Westminster, B. C.—V. Quinn, Vancouver, soon takes bids grain elevator, here. $5,000,000.

BIDS DESIRED

Generator—Brooklyn, N. Y.—Dec. 23, by State Hospital Comn., Capitol, Albany, electric generator (power house equipment) for Brooklyn State Hospital, here; adv. E. N.-R. Nov. 26.

Boardwalk—Cape May, N. J.—Dec. 15, by P. A. Volcker, city mgr., City Hall, 3,300 lin.ft. timber boardwalk, 24 and 30 ft. L. E. Miller, Jr., city engr.; adv. E. N.-R. Nov. 26.

Lighting System — Cleveland, O. — Nov. 27, by City, 75 ornamental white way lighting standards and 90 white way lanterns. Noted April 30.

Traffic Signal System—Cleveland, O.—Dec. 4, by City, W. R. Hopkins, city mgr., synchronized traffic signal system. $100,000. J. Murphy, City Hall, engr.

Oil Pipe Line — Oklahoma — See "Contracts Awarded."

Swimming Pool — Covina, Calif. — See "Buildings—Educational, Religious."

Subways—Toronto, Ont.—See "Bridges."

Circuit Breakers, Switches, etc.—Wellington, New Zealand — Jan 26, by Secretary Pub. Wks., Supplies & Tenders, circuit breakers, switches, transformers, etc., for Waikato Power Scheme Sects. 131, 144 and 145, and for Lake Coleridge Electric Power Scheme, Sect. 191.

BIDS RECEIVED

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Nov. 17, constructing Sect. 7, Route 78, along under West 174th St. and Fort Washington Ave. from West 174th to West 183rd Sts., from M. Del Balso, 6'0 East 221st St., (unofficial) $3,382,000. Noted Nov. 5.

CONTRACTS AWARDED

Coke Ovens—Pittsburgh, Pa.—Jones & Laughlin Steel Corp., J & L Bldg., 60 Wilputte type coke ovens with primary coolers, etc., to Wilputte Coke Oven Corp., 469 5th Ave., New York City, N. Y.

Dock, etc. — Weirton, W. Va. — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Foundation—Johnson City, Tenn.—See "Buildings-Industrial under Proposed Work."

Foundation — Nashville, Tenn. — See "Buildings — Commercial under Proposed Work."

Tunnel—Indianapolis, Ind.—Crown Hill Cemetery, 34th St. and Boulevard Pl., 113 ft., stone and granite tunnel, 50 ft. roadway, across Maple Rd. Blvd., etc., to E. C. Strathman Co., 712 Meyer Kiser Bldg., $150,000; 85,000 cu.yds. earth excav., etc., to Acme Gravel Co., Kentucky Ave. and Eagle Creek.

Bulkhead—Chicago, Ill.—See "Bridges."

Coaling Station—St. Louis, Mo.—Wabash Ry. Co., Ry. Exch. Bldg., 1 story, rein.-con. coaling station, 36 ft. diam., 3963 Clayton Ave., to Roberts & Schaefer Co., Wrigley Bldg., Chicago, Ill. Engrs. est. $50,000.

Oil Pipe Line—Oklahoma—Marland Oil Co., Ponca City, in market for 17 mi. 4 in. pipe for oil pipe line from Garber oil fields, to Tonkawa. $75,000. Work will be done by day labor. V. T. Moon, Ponca City, engr.

Lighting System — Pasadena, Calif. — Electrolier system on Colorado St., to Underground Constr. Co., 517 South Bway., $40,934, and on Fair Oaks Ave., to Ducey & Breitenstein, P. O. Box 203, R. F. D. 3, $44,000.

Ice Skating Rink—San Francisco, Calif.—Glacier Palace Ice Skating Assn., 1547 North Western Ave., 2 story, 165 x 250 ft. ice skating rink, Clinton St. and Van Nuys Ave., to M. Smith Co., 6665 Sunset Blvd., $80,000.

Materials

PROPOSED WORK

Cement, etc.—Hamilton, Ont.—W. McFaul, engr., City Hall, will soon prepare estimates for cement, sewer pipe,, asphalt, etc. for 1926 program. $250,000.

BIDS DESIRED

Rock Rip Rap — Abilene, Tex. — City taking bids 50,000 sq.yd. rock rip rap for settling basin. O. K. Hobbs, Abilene, engr.

Pipe — Oklahoma — See "Unclassified under Contracts Awarded."

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
	WATERWORKS	
Nov. 30	Pierce City, Mo.	Nov. 12
Nov. 30	Chicago, Ill.	Nov. 26
Nov. 30	Clara City, Minn.	Nov. 26
Dec. 1	Oklahoma City, Okla.	Nov. 26
Dec. 1	Williamsport, Pa.	Nov. 19
Dec. 1	Phila., Pa.	Nov. 26
Dec. 2	Cleveland, O.	Nov. 26
Dec. 4	New York, N. Y.	Nov. 26
Dec. 7	Wewoka, Okla.	Nov. 19
Dec. 7	Spring Lake, N. J. Adv. Nov. 26.	Nov. 26
Dec. 9	Bloomington, Ind. Adv. Nov. 19 and 26.	Nov. 19
Dec. 14	Lansdowne, Md. Adv. Nov. 26.	Nov. 26
Jan. 12	Toronto, Ont.	Nov. 12
Jan. 21	Auckland, New Zealand	Nov. 26
	SEWERS	
Nov. 27	Akron, O.	Nov. 19
Nov. 30	New Brunswick, N. J.	Nov. 26
Nov. 30	Long Island City, N. Y.	Nov. 26
Dec. 1	Toronto, Ont.	Nov. 26
Dec. 2	New Orleans, La. Adv. Oct. 8 to Nov. 26.	Oct. 8
Dec. 7	Jackson, Mich	Nov. 19
Dec. 8	West Palm Beach, Fla. Adv. Nov. 26.	Nov. 26
Dec. 11	Wauwatosa, Wis.	Nov. 26
Dec. 16	Holland, Mich.	Nov. 19
Dec. 21	Little Falls, N. J. Adv. Nov. 26.	Nov. 26
	BRIDGES	
Nov. 30	New Jersey and Pennsylvania	Nov. 12
Nov. 30	New Jersey	Nov. 12
Nov. 30	Toronto, Ont.	Nov. 26
Dec. 1	Monroe, La.	Nov. 26
Dec. 3	Stockton, Kan.	Nov. 12
Dec. 7	Yonkers, N. Y. Adv. Nov. 19 and 26.	Nov. 19
Dec. 8	North Carolina	Nov. 26
Dec. 10	Chicago, Ill.	Nov. 19
Dec. 12	Smithville, Tenn.	Nov. 12
Dec. 15	South Carolina Adv. Nov. 26.	Nov. 19
Dec. 22	North Carolina	Nov. 26
Jan. 4	Mobile, Ala.	Nov. 19
	EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR	
Nov. 30	Detroit, Mich.	Nov. 19
Dec. 8	Stuart, Fla. Adv. Nov. 5 to 26.	Nov. 5
Dec. 9	Minneapolis, Minn. Adv. Nov. 26.	Nov. 26
Dec. 15	Richmond, Ind.	Nov. 26
Dec. 15	Mobile, Ala.	Oct. 22
Dec. 15	Jonesboro, Ark.	Nov. 19
Jan. 1	Brownsville, Tex.	Oct. 1
	STREETS AND ROADS	
Nov. 30	Michigan	Nov. 19
Nov. 30	Arkansas	Nov. 19
Nov. 30	Cincinnati, O.	Nov. 26
Dec. 1	Louisiana	Nov. 12
Dec. 1	Gulfport, Miss.	Nov. 12
Dec. 1	Waco, Tex.	Nov. 19
Dec. 1	Washington	Nov. 19
Dec. 1	Elizabeth City, N. C. Adv. Nov. 19 and 26.	Nov. 19
Dec. 1	New York, N. Y.	Nov. 26
Dec. 2	Bay City, Tex.	Nov. 26
Dec. 2	Homer, La.	Nov. 26
Dec. 3	New York, N. Y.	Nov. 26
Dec. 3	Louisiana	Nov. 12
Dec. 3	Glendale, Calif.	Nov. 19
Dec. 3	Stockton, Kan.	Nov. 19
Dec. 4	Idaho	Nov. 19
Dec. 4	LaGrange, Tex.	Nov. 19
Dec. 4	Duluth, Minn.	Nov. 5
Dec. 4	Huntsville, Tex.	Nov. 12
Dec. 4	North Dakota	Nov. 19
Dec. 5	North Dakota	Nov. 19
Dec. 7	Kentucky	Oct. 29
Dec. 7	Morgantown, W. Va.	Oct. 29
Dec. 7	Pennsylvania	Nov. 12
Dec. 7	Donna, Tex.	Nov. 19
Dec. 8	North Carolina Adv. Nov. 26.	Nov. 26
Dec. 8	Tampa, Fla.	Nov. 26
Dec. 10	Grenada, Miss.	Nov. 26
Dec. 10	Kentucky	Nov. 19
Dec. 10	Florida Adv. Nov. 19 and 26.	Nov. 19
Dec. 11	Tennessee Adv. Nov. 19 and 26.	Nov. 19
Dec. 11	Crockett, Tex.	Nov. 19
Dec. 14	McKinney, Tex.	Nov. 26
Dec. 15	Tampa, Fla.	Nov. 12
Dec. 16	Angleton, Texas	Nov. 19
Dec. 23	Gretna, La.	Nov. 26
	BUILDINGS—INDUSTRIAL	
Nov. 29	Parkersburg, W. Va.	Nov. 19
Nov. 30	Bemidji, Minn.	Nov. 26
	BUILDINGS—COMMERCIAL	
Nov. 27	Phila., Pa.	Nov. 26
Nov. 28	Burlington, N. J.	Nov. 19
Dec. 1	Youngstown, N. Y.	Oct. 22
Jan. 1	Chicago, Ill.	Nov. 19
Dec 1	Oberlin, Kan.	Nov. 26
Dec. 7	Havana, Cuba	Nov. 26
Dec. 8	Highland Park (br. Detroit), Mich.	Nov. 26
Dec. 22	St. Louis, Mo.	Nov. 26
Jan. 10	Duluth, Minn.	Oct. 29
	BUILDINGS—EDUCATIONAL, RELIGIOUS	
Nov. 30	Tavares, Fla.	Nov. 19
Nov. 30	Dandridge, Tenn.	Nov. 19
Dec. 1	Duluth, Minn.	Oct. 1
Dec. 1	Chicago, Ill.	Nov. 19
Dec. 1	Cornwell Heights, Pa.	Nov. 19
Dec. 1	Phila., Pa.	Nov. 26
Dec. 2	Los Angeles, Calif.	Nov. 26
Dec. 2	Ecorse, Mich.	Nov. 12
Dec. 2	San Francisco, Calif.	Nov. 19
Dec. 4	Detroit, Mich.	Nov. 26
Dec. 7	Terre Haute, Ind.	Nov. 19
Dec. 7	Montclair, N. J.	Nov. 19
Dec. 11	New Orleans, La.	Nov. 26
Dec. 15	Chicago, Ill.	Nov. 26
	FEDERAL GOVERNMENT WORK	
Nov. 30	Institution — Alderson, W. Va.	Oct. 29
Nov. 30	Library—Wash., D. C.	Nov. 26
Dec. 1	Road—Wyoming	Nov. 19
Dec. 1	Bridge—Wyoming	Nov. 26
Dec. 2	Pier—New London, Conn.	Nov. 26
Dec. 2	Pier—Hingham, Mass.	Nov. 26
Dec. 3	Gates—Nebraska	Oct. 29
Dec. 3	Storehouses—Baltimore, Md.	Nov. 19
Dec. 4	Buoy Tender, Pumps, etc. — Wash., D. C.	Nov. 26
Dec. 7	Quarters—Sacket Harbor, N. Y. Adv. Nov. 5 to 26.	Nov. 12
Jan. 7	Bridge—Wash., D. C. Adv. Nov. 26.	Nov. 26
Dec. 10	Work Boats — Memphis, Tenn. Adv. Nov. 12 to 26.	Nov. 12
Dec. 16	Bridges—Norfolk, Va.	Nov. 19
Dec. 16	Deck and Roof—Guantanamo, Cuba Adv. Nov. 26.	Nov. 26
Dec. 19	Dredging, etc.—New York, N. Y. Adv. Nov. 19 and 26.	Nov. 19
Dec. 21	Dredging—Honolulu, T. H.	Oct. 29
Dec. 22	Administration — Atlanta, Ga. Adv. Nov. 26.	Nov. 26
Dec. 22	Administration, etc.—Wash., D. C. Adv. Nov. 26.	Nov. 26
Jan. 18	Hospital—Soldiers Home (br. Sawtelle P. O.), Calif.	Nov. 26
Jan. 19	Cruiser, etc.—Wash., D. C.	Nov. 19
	UNCLASSIFIED	
Nov. 27	Subway—New York, N. Y.	Nov. 19
Dec. 1	Stadium—Columbia, Mo.	Nov. 5
Dec. 3	Sanitary Work, etc.—Newark N. Y.	Nov. 12
Dec. 3	Sanitary Work, etc.—Randall's Island (mail New York, N. Y.)	Nov. 12
Dec. 4	Traffic Signal System—Cleveland, O.	Nov. 26
Dec. 7	Light Plant Equipment — Springfield, Ill.	Nov. 19
Dec. 8	Steel Supports—Wellington, New Zealand	Oct. 1
Dec. 8	Refrigeration Work, etc. — Dannemora, N. Y. Adv. Nov. 19.	Nov. 19
Dec. 9	Generators—Buffalo, N. Y. Adv. Nov. 19 and 26.	Nov. 19
Dec. 15	Cable—New York, N. Y. Adv. Nov. 19 and 26.	Nov. 19
Dec. 15	Street Lighting — St. Louis, Mo. Adv. Nov. 26.	Nov. 19
Dec. 15	Boardwalk—Cape May, N. J. Adv. Nov. 26.	Nov. 26
Dec. 23	Generator — Brooklyn, N. Y. Adv. Nov. 26.	Nov. 26
Jan. 26	Circuit Breakers, etc.—Wellington, New Zealand	Nov. 26
	MATERIALS	
Dec. 1	Cement—Mobile, Ala.	Nov. 5

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.R.

OFFICIAL PROPOSALS

Bids: Dec. 7.

Air Compressor and Artesian Wells

Spring Lake, N. J.

Notice is hereby given that sealed proposals will be received, when called for by the Mayor, at a meeting of Borough Council of Spring Lake, N. J., to be held in the Council Chamber, Spring Lake, N. J., on Monday, Dec. 7, 1925, at the hour of 8 o'clock, p.m., for the furnishing of one cross-compound steam, two stage, air compressor, erected complete, including necessary foundations, and all pipe connections, also one or more artesian wells, in accordance with plans and specifications on file in the office of the Borough Clerk, Borough Hall, Spring Lake, New Jersey; also on file in the office of Jos. L. Sweigard, Engineer, 1120 Lincoln Building, Philadelphia, Pa.

Each bid must be accompanied by a certified check on a National or State Bank, or Trust Company, payable to the order of W. W. Trout, Treasurer, for the sum of not less than five per cent (5%) of the amount of bid; also accompanied by a Surety Co. certificate, stating that the said Surety Co. will provide the bidder with a bond to the full amount of the contract price, guaranteeing the final completion of the work.

All proposals must be submitted on the blank forms furnished by the Borough, attached to the specifications, placed in a sealed envelope bearing the name and address of the bidder, addressed to the Mayor and Members of Council, Borough of Spring Lake, N. J., marked Proposal for Improvements at Water Works.

The Borough reserves the right to reject any or all bids, and to award the contract for each separate item, or all the items as a whole, as may appear to be for the best interests of the Borough, when all bids are received and compared.

By order of Borough Council.

D. H. HILLS,
Mayor.

MYRON O. MORRIS,
Borough Clerk.

JOS. L. SWEIGARD,
Engineer.

Dated Nov. 16, 1925.

Bids: Dec. 9.

Filtration Plant and Pumping Station

Bloomington, Ind.

Sealed proposals will be received by the City of Bloomington, Indiana, at the City Hall of Bloomington, at 1:30 p. m. on December 9th, 1925, for the construction of a 2.0 m.g.d. water filtration plant and pumping station, estimated cost $100,000.00; a 1.5 m.g. concrete reservoir, estimated cost $35,000.00; and 5,000 feet of 20" Cast Iron pipe line.

Proposals shall be accompanied by a certified check of approximately 5% of estimated cost.

Requirements for bidding, plans and specifications may be obtained on deposit of $15.00 from Pearse, Greeley & Hansen, Engineers, 6 North Michigan Avenue, Chicago, Illinois.

LYNN B. LEWIS,
Mayor.

E. COOPER,
City Clerk.

OFFICIAL PROPOSALS

Bids: Dec. 10.

Road Work

OFFICE OF THE STATE ROAD DEPARTMENT

Tallahassee, Fla.
November 12, 1925.

Sealed bids will be received at this office until 10:30 a. m. on the 10th day of December, 1925, for the construction of the following section of road:

Federal Aid Project No. 51, Road No. 7, Escambia County, approximately 6.3 miles in length. Work to consist of Clearing, Grubbing, grading, and the necessary Drainage Structures and Paving. Alternate bids will be received on Plain and Reinforced Concrete, Bituminous Macadam, Sheet Asphalt and Asphaltic Concrete. All black top paving to be on an 8" Florida Lime Rock base.

All work to be done in accordance with plans and specifications of the State Road Department.

A certified check or bidder's bond made payable to the Chairman of the State Road Department in the sum of five (5%) per cent of the amount bid must accompany each proposal.

Plans may be examined at this office, at the office of the Division Engineer, and may be obtained upon application to this office, accompanied by a $5.00 deposit, which deposit will be refunded if plans are returned in good condition within ten days after bids have been received, by a bona fide bidder.

The right is reserved to reject any or all bids.

F. A. HATHAWAY,
Chairman.

J. L. CRESAP,
State Highway Engineer.

Bids: Dec. 9.

Electric Generators

Buffalo, N. Y.

Sealed proposals for Electric Generators, Buffalo State Hospital, Buffalo, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock p.m., Wednesday, December 9th, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in the State of New York and made payable to the State of New York (or money) equal to 5% of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4610. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Buffalo State Hospital, Buffalo, N. Y., at the New York Office of the Department of Architecture, 18th Floor, Fuller Building, Broadway and 23rd Street; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required, at the discretion of the State Architect, from the Department of Architecture, Capitol, Albany, New York.

Dated: October 28th, 1925.

OFFICIAL PROPOSALS

Bids: Dec. 15.

Bridge

STATE HIGHWAY DEPARTMENT
F. A. PROJECT NO. 251
RICHLAND-LEXINGTON COUNTIES

Columbia, S. C.

Sealed bids will be publicly opened at 11:00 a.m. Tuesday, 15 December 1925, in the auditorium of the Jefferson Hotel, Columbia, S. C., for the construction of the Gervais Street Bridge over the Congaree River at Columbia, S. C., on State Route No. 2 and No. 12.

It is particularly desired that bidders bring their bids in person at the opening hour. Any bids sent by mail must be plainly marked on outside of envelope: "Bid for construction of F. A. Project No. 251 Richland-Lexington Counties, to be opened at 11:00 a.m. Tuesday, 15 December, 1925," and addressed simply "P. O. Drawer No. 660, Columbia, S. C."

The work to be done consists of the construction of an open spandrel, reinforced concrete arch bridge 1,415 ft. long and 52 ft. wide, and consisting of the following approximate general quantities: 12,800 cu. yds. concrete, 1,500,000 lbs. of reinforcing steel, 400 cu.yds. of rock excavation and 2,250 cu.yds. of dry excavation.

Proposals must be accompanied by a certified check for $8,500.00 made payable to the Chief Highway Commissioner of South Carolina. Bid bonds will not be accepted.

Plans, specifications and proposal forms are on file at the office of the State Highway Engineer, 1708 Sumter St., Columbia, S. C. Plans will be furnished at the above address upon request accompanied by a check for $3.00 and no refunds will be made for plans returned.

SAMUEL McGOWAN,
Chief Highway Commissioner.

Bids: Dec. 23.

Electric Generator

Brooklyn, N. Y.

Sealed proposals for Electric Generator (Power House Equipment), Brooklyn State Hospital, Brooklyn, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock p.m., on Wednesday, December 23rd, 1925, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in the State of New York, and made payable to the State of New York, (or money), equal to 5% of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 4639. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Brooklyn State Hospital, Brooklyn, N. Y., at the New York Office of the Department of Architecture, 18th floor, Fuller Building, Broadway and 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y.

Dated: November 17, 1925.

CONSTRUCTION NEWS

Engineering News-Record, Dec. 3, 1925

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close — See Eng. News-Record

WATERWORKS

Dec. 4 New York, N. Y. ..... Nov. 26
Dec. 7 Wewoka, Okla. ..... Nov. 19
Dec. 7 Spring Lake, N. J. ..... Nov. 26
Dec. 7 Euclid, O. ..... Dec. 3
Dec. 9 Baltimore, Md. ..... Dec. 3
Dec. 9 Frost, Tex. ..... Dec. 3
Dec. 9 Bloomington, Ind. ..... Nov. 19
Dec. 10 Port Arthur, Tex. ..... Dec. 3
Dec. 10 Jacksonville Beach, Fla. ..... Dec. 3
Dec. 14 Lansdowne, Md. ..... Nov. 26
Adv. Nov. 26 and Dec. 3.
Dec. 15 Grand Island, Neb. ..... Dec. 3
Dec. 15 Staunton, Va. ..... Dec. 3
Adv. Dec. 3.
Dec. 15 Liberty, N. Y. ..... Dec. 3
Adv. Dec. 3.
Dec. 17 Paris, Ark. ..... Dec. 3
Dec. 17 Tulsa, Okla. ..... Dec. 3
Jan. 12 Toronto, Ont. ..... Nov. 12
Jan. 21 Auckland, New Zealand ..... Nov. 26

SEWERS

Dec. 7 Jackson, Mich ..... Nov. 19
Dec. 8 West Palm Beach, Fla. ..... Nov. 26
Adv. Nov. 26 and Dec. 3.
Dec. 9 Detroit, Mich. ..... Dec. 3
Dec. 9 Roseville, Calif. ..... Dec. 3
Dec. 9 Baltimore, Md. ..... Dec. 3
Dec. 11 Wauwatosa, Wis. ..... Nov. 26
Dec. 14 San Carlos, Calif. ..... Dec. 3
Dec. 15 Belmont, Calif. ..... Dec. 3
Dec. 16 Holland, Mich. ..... Nov. 19
Dec. 21 Little Falls, N. J. ..... Nov. 26

BRIDGES

Dec. 7 Yonkers, N. Y. ..... Nov. 19
Adv. Nov. 19 to Dec. 3.
Dec. 8 North Carolina ..... Nov. 26
Dec. 10 Chicago, Ill. ..... Nov. 19
Dec. 11 Missouri ..... Dec. 3
Dec. 11 Oswego, Kan. ..... Dec. 3
Dec. 12 Smithville, Tenn. ..... Nov. 12
Dec. 15 South Carolina ..... Nov. 19
Dec. 17 Rockford, Ill. ..... Dec. 3
Dec. 22 North Carolina ..... Nov. 26
Adv. Dec. 3.
Jan. 4 Mobile, Ala. ..... Nov. 19

EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR

Dec. 8 Stuart, Fla. ..... Nov. 5
Adv. Nov. 5 to Dec. 3.
Dec. 9 Minneapolis, Minn. ..... Nov. 26
Dec. 15 Richmond, Ind. ..... Nov. 26
Dec. 15 Mobile, Ala. ..... Oct. 22
Adv. Oct. 22, 29, Nov. 5 and Dec. 3.
Dec. 15 Jonesboro, Ark. ..... Nov. 19
Dec. 15 Trenton, N. J. ..... Dec. 3
Adv. Dec. 3.
Dec. 21 Birmingham, Ala. ..... Dec. 3
Adv. Dec. 3.
Jan. 1 Brownsville, Tex. ..... Oct. 1

STREETS AND ROADS

Dec. 4 Buffalo, N. Y. ..... Dec. 3
Dec. 7 Kentucky ..... Oct. 29
Dec. 7 Morgantown, W. Va. ..... Oct. 29
Dec. 7 Pennsylvania ..... Nov. 12
Dec. 7 Donna, Tex. ..... Nov. 19
Dec. 7 Magnolia, Miss. ..... Dec. 3
Dec. 7 Euclid, O. ..... Dec. 3
Dec. 8 Guthrie, Okla. ..... Dec. 3
Dec. 8 North Carolina ..... Nov. 26
Dec. 8 Tampa, Fla. ..... Nov. 26
Dec. 8 Cincinnati, O. ..... Dec. 3
Dec. 8 Knoxville, Ia. ..... Dec. 3
Dec. 9 New York, N. Y. ..... Dec. 3
Dec. 10 Grenada, Miss. ..... Nov. 26
Dec. 10 Kentucky ..... Nov. 19
Dec. 10 Florida ..... Nov. 19
Dec. 10 Eustis, Fla. ..... Dec. 3
Dec. 11 Tennessee ..... Nov. 19
Dec. 11 Crockett, Tex. ..... Nov. 19
Dec. 11 Kansas City, Kan. ..... Dec. 3
Dec. 11 Missouri ..... Dec. 3
Dec. 14 McKinney, Tex. ..... Nov. 26
Dec. 14 Seneca, Kan. ..... Dec. 3
Dec. 14 Miami, Fla. ..... Dec. 3
Dec. 14 California ..... Dec. 3

Bids Close — See Eng. News-Record

Dec. 15 Louisiana ..... Dec. 3
Dec. 15 Tampa, Fla. ..... Nov. 12
Dec. 15 Wilmington, N. C. ..... Dec. 3
Dec. 16 Angleton, Texas ..... Nov. 19
Dec. 16 Delaware ..... Dec. 3
Adv. Dec. 3.
Dec. 16 Willman, Minn. ..... Dec. 3
Dec. 16 Angleton, Tex. ..... Dec. 3
Dec. 17 Olathe, Kan. ..... Dec. 3
Dec. 17 Ventura, Fla. ..... Dec. 3
Dec. 18 New York ..... Dec. 3
Dec. 18 Galveston, Tex. ..... Dec. 3
Dec. 19 Springfield, O. ..... Dec. 3
Dec. 21 Bradenton, Fla. ..... Dec. 3
Adv. Dec. 3.
Dec. 21 California ..... Dec. 3
Dec. 21 Holdrege, Neb. ..... Dec. 3
Dec. 22 Louisiana ..... Dec. 3
Dec. 22 Russell, Kan. ..... Dec. 3
Dec. 23 Gretna, La. ..... Nov. 26
Dec. 23 Alabama ..... Dec. 3
Dec. 29 Junction City, Kan. ..... Dec. 3
Dec. 30 Belleville, Kan. ..... Dec. 3
Jan. 1 Birmingham, Ala. ..... Dec. 3
Jan. 4 Wellington, Kan. ..... Dec. 3
Jan. 5 Garden City, Kan. ..... Dec. 3
Jan. 5 Vicksburg, Miss. ..... Dec. 3
Adv. Dec. 3.

BUILDINGS—INDUSTRIAL

Dec. 14 Baltimore, Md. ..... Dec. 3

BUILDINGS—COMMERCIAL

Dec. 8 Oberlin, Kan. ..... Dec. 3
Dec. 14 Hopkins, Minn. ..... Dec. 3
Dec. 16 San Pedro, Calif. ..... Dec. 3
Dec. 22 St. Louis, Mo. ..... Nov. 26
Jan. 1 Chicago, Ill. ..... Nov. 19
Jan. 10 Duluth, Minn. ..... Oct. 29

BUILDINGS—EDUCATIONAL, RELIGIOUS

Dec. 4 Belmont (br. Boston), Mass. ..... Dec. 3
Dec. 7 Terre Haute, Ind. ..... Nov. 19
Dec. 7 Montclair, N. J. ..... Nov. 19
Dec. 7 Cleveland, O. ..... Dec. 3
Dec. 8 Highland Park (br. Detroit), Mich. ..... Nov. 26
Dec. 10 Stamford, Conn. ..... Dec. 3
Dec. 10 Mayfield, O. ..... Dec. 3
Dec. 11 New Orleans, La. ..... Nov. 26
Dec. 14 Memphis, Tenn. ..... Dec. 3
Dec. 15 Chicago, Ill. ..... Nov. 26
Dec. 15 Pittsburgh, Pa. ..... Dec. 3
Dec. 16 San Antonio, Tex. ..... Dec. 3
Jan. 11 Johnstown, Pa. ..... Dec. 3

FEDERAL GOVERNMENT WORK

Dec. 4 Buoy Tender, Pumps, etc. — Wash., D. C. ..... Nov. 26
Dec. 7 Quarters—Sacket Harbor, N. Y. ..... Nov. 12
Dec. 7 Post Office—New London, Conn. ..... Dec. 3
Dec. 10 Work Boats — Memphis, Tenn. ..... Nov. 12
Adv. Nov. 12 to Dec. 3.
Dec. 12 Cable, etc.—Wash., D. C. ..... Dec. 3
Dec. 16 Bridges—Norfolk, Va. ..... Nov. 19
Dec. 16 Deck and Roof—Guantanamo, Cuba ..... Nov. 26
Adv. Nov. 26 and Dec. 3.
Dec. 19 Dredging, etc.—New York, N. Y. ..... Nov. 19
Adv. Nov. 19 to Dec. 3.
Dec. 19 Dredging Pipe—Norfolk, Va. ..... Dec. 3
Adv. Dec. 3.
Dec. 21 Dredging—Honolulu, T. H. ..... Oct. 29
Dec. 21 Barges—Wash., D. C. ..... Dec. 3
Adv. Dec. 3.
Dec. 21 Metal Work—Louisville, Ky. ..... Dec. 3
Adv. Dec. 3.
Dec. 22 Administration — Atlanta, Ga. ..... Nov. 26
Adv. Nov. 26 and Dec. 3.
Dec. 22 Administration, etc.—Wash., D. C. ..... Nov. 26
Adv. Nov. 26 and Dec. 3.
Dec. 23 Post Office, etc.—Los Angeles, Calif. ..... Dec. 3
Adv. Dec. 3.
Dec. 28 Beartrap Leaves—Louisville, Ky. ..... Dec. 3
Adv. Dec. 3.
Jan. 2 Hull—Vicksburg, Miss. ..... Dec. 3
Adv. Dec. 3.

Bids Close — See Eng. News-Record

Jan. 7 Bridge—Wash., D. C. ..... Nov. 26
Adv. Nov. 26 and Dec. 3.
Jan. 18 Hospital—Soldiers Home (br. Sawtelle P. O.), Calif. ..... Nov. 26
Jan. 19 Cruiser, etc.—Wash., D. C. ..... Nov. 19

UNCLASSIFIED

Dec. 4 Traffic Signal System—Cleveland, O. ..... Nov. 26
Dec. 7 Light Plant Equipment — Springfield, Ill. ..... Nov. 19
Dec. 8 Steel Supports—Wellington, New Zealand ..... Oct. 1
Dec. 8 Refrigeration Work, etc. — Dannemora, N. Y. ..... Nov. 19
Dec. 8 Subway—New York, N. Y. ..... Dec. 3
Dec. 9 Generators—Buffalo, N. Y. ..... Nov. 19
Dec. 14 Subway—Stockton, Calif. ..... Dec. 3
Dec. 15 Cable—New York, N. Y. ..... Nov. 19
Adv. Nov. 19 to Dec. 3.
Dec. 15 Street Lighting — St. Louis, Mo. ..... Nov. 19
Adv. Nov. 26 and Dec. 3.
Dec. 15 Boardwalk—Cape May, N. J. ..... Nov. 26
Dec. 15 Ventilating Building—New Jersey ..... Dec. 3
Adv. Dec. 3.
Dec. 16 Vehicular Tunnel — Pittsburgh, Pa. ..... Dec. 3
Dec. 23 Generator — Brooklyn, N. Y. ..... Nov. 26
Adv. Nov. 26 and Dec. 3.
Jan. 26 Circuit Breakers, etc.—Wellington, New Zealand ..... Nov. 26

MATERIALS

Dec. 7 Oil—Perth Amboy, N. J. ..... Dec. 3
Dec. 9 Cement, etc.—Brooklyn, N. Y. ..... Dec. 3

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

W. Va., Harrisville—Voted $70,000 bonds, waterworks. D. W. Shock, city engr. Noted Oct. 29.

N. C., Beaufort — See "Streets and Roads."

N. C., Cary — Plans to issue $30,000 bonds enlarging waterworks and sewerage systems.

N. C., Liberty—Made surveys water and sewerage system.

Fla., Wauchula—See "Sewers."

Ala., Anniston—Election Jan. 11, $500,000 bonds, purchasing or erecting water plant. S. J. Reaves, mayor.

Miss., Moss Point—Election Dec. 1, $135,000 bonds, waterworks, incl. 100,000 gal. tank on tower, 300,000 gal. rein.-con. reservoir, 800 ft. 10 in. well, 13.6 mi. c.i. mains, oil burning engines and pumps. H. A. Mentz, Hammond, La., engr. Noted Oct. 1.

La., Slidell—See "Sewers."

Ill., Cairo—Cairo Water Co. soon lets contract several mi. c.i mains, 2,000 water meters, new buildings, etc. Most of work will be done by own forces or local contractors. Private plans.

Ill., Crystal Lake — Making plans addition to waterworks. Randolph-Perkins Co., 38 South Dearborn St., Chicago, engrs.

Minn., Madison — Plans waterworks improvements incl. sinking deep wells, pumping equipment and concrete reservoir, etc. $35,000. Engineer not announced. M. T. Hoff, city clk.

Tex., Catarina—See "Unclassified."

Tex., Hedley — Voted $48,500 bonds, waterworks, incl. 75,000 gal. tank on 120 ft. tower, transmission line, etc. Address Mayor. Noted Nov. 26.

Wash., Olympia—Plans complete new gravity water supply system, 20 cu.ft. per

Waterworks (Continued)

second of water from Skookumchuck River. G. Benson, city engr.

Calif., Los Angeles — Los Angeles Co. Flood Control Dist., making plans sawpit reservoir dam, concrete masonry arched type, approximately 125 ft. high. $400,000. J. W. Reagan, 202 North Bway., dist. engr.

Calif., Santa Barbara — Making plans, mains in Chapala St. $15,000. V. E. Trace, water supt.

Calif., Upland—Making plans mains and fire hydrants. $26,000-$28,000. R. G. Manley, water supt.

BIDS DESIRED

N. Y., Liberty—Dec. 15, by Comrs. Ferndale Water Dist., for waterworks. Williams & Foster, attys.; adv. E. N.-R. Dec. 3.

Md., Baltimore—Dec. 9, by Bd. Awards elevating and conveying machinery for addition to Montebello filters. V. B. Seims, City Hall, water engr.

Va., Staunton—Dec. 15, by W. F. Day, city mgr., North River Water Extension, Contr. 5; adv. E. N.-R. Dec. 3.

Fla., Jacksonville Beach—Dec. 10, by City Com., N. Finkelstein, chn., 45,200 ft. 6- to 12-in. water-mains, 100,000 gal. steel water tower, 75,000 concrete receiving basin, brick pumping station, etc. G. B. Hills Co., Barnett Bldg., Jacksonville, engr.

O., Euclid—Dec. 7, by Village, c.i. mains in East 238th St., storm and sanitary sewers in East 238th St. and Glenridge Dillen Rd., and sewer and water curb connections in Ball and Westport Aves. F. R. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Neb., Grand Island—Dec. 15, by H. E. Clifford, city clk., 1 or 2 seven hundred hp. water tube, $22,500 each; boilers and 1 or 2 mechanical stokers, $11,500 each. Pillsbury Eng. Co., 2344 Nicolett Ave. S., Minneapolis, Minn., engrs. Noted Nov. 12.

Mo., University (Sta. St. Louis) — See "Contracts Awarded."

Ark., Paris—Dec. 17, by Comrs. Waterworks Impvt. Dist. 4, Court House, Contr. 1, 180 cu.yd. solid rock, 50 cu.yd. loose rock and 200 cu.yd. earth excav., 850 cu.yd. borrow, 800 cuyd. concrete, 1,000 lb. reinforcing, 1,800 lb. 8 in. c.i pipe, 36 gate valves, etc.; Contr. 2, 125 cu.yd. solid rock, 200 cu.yd. loose rock and 700 cu.yd. earth excav., 500 cu.yd. borrow, 4,000 cu.ft capacity rein-con. wash tank, 360,000 gal. capacity filter plant, 56 x 56 x 11 in. rein.-con. settling basin, 830 ft. 4- to 8-in. c.i. pipe, 380 ft. 6 and 12 in. vitr. clay pipe, etc. Ford & McRea, 215 Gazette Bldg., Little Rock, engrs. Noted July 30.

Tex., Frost — Dec. 9, by W. Smith, mayor, 100,000 gal. hemispherical steel tower-tank, 120 ft. to bottom, 17,920 ft. 6- to 10-in. De Lavaud or approved c.i. mains, 1 air compressor, 1 centrifugal pump, 1 automatic or electrical pump control, motors, etc. H. B. McAllister, 1315 North 12th St., consult. engr.

Tex., Port Arthur—Dec. 10, by City, filtration plant. $195,000. Burns & McDonald Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Oct. 29.

Tex., Port Arthur—Dec. 10, by City, 330 m.g. reservoir. J. O. Herpin, 3031 7th St., engr.

Okla., Tulsa—Dec. 17, at office of Bd. Directors Water Impvt. Dist. 5, Midcontinent Bldg., public distribution system, incl. 4- to 10-in. diam. ball and spigot type metal pipe, specials, valves, boxes, etc. Holway Eng. Co., 503 Wright Bldg., engrs. Noted Nov. 12.

BIDS RECEIVED

Md., Baltimore—Bd. Awards, Nov. 25, valves and hydrants for Bureau Water Supply, from A. P. Smith Co., 111 Norman St., East Orange, N. J., $43,836. Noted Nov. 19.

O., Cleveland—Cuyahoga Co., Nov. 14, 4,000 ft. 8 in. c.i. mains in Belrose Ave., Impvt. 357, from Ciraci Constr. Co., 3414 East 123rd St., $14,881. Noted Nov. 5.

Calif., Antioch—Earth fill dams for water system, from E. P. Easley, Antioch, $20,-775; also riveted steel pipe line, from Western Pipe & Steel Co., 444 Market St., San Francisco, $20,675.

CONTRACTS AWARDED

Pa., Pittsburgh—Carnegie Steel Co., Carnegie Bldg., general contract 2 story and basement, 30 x 59 ft. water purification building and plant, rein.-con. and brick, 10th Ward, to Rust Eng. Co., 311 Ross St. Engrs. est. $25,000.

Md., Baltimore—Bd. Awards, 375 tons 12 in., 500 tons 16 in. and 2,100 tons 20 in. c.i. pipe, etc., to R. G. Wood & Co., 400 Chestnut St., Phila., Pa., $202,873. Noted Nov. 26.

Fla., Largo—Extending waterworks, to J. B. McCrary Eng. Co., Citizens & Savings Bank Bldg., Atlanta, Ga., approximately $35,000.

La., Welsh—Water works and distribution system, to G. P. Sledge, Abbeville, $51,-382; 8 in. deep well, pumps, motors, etc., to Layne-Louisiana Co., Lake Charles, $6,-900. Noted Nov. 12.

O., Wickliffe—For 4 mi. 6 and 8 in. c.i. mains in various streets, to Joseph Co., Prospect-Fourth Bldg., $49,873. Noted Oct. 22.

Mich., Berkley (br. Detroit)—About 6,000 ft. 6 and 8 in. mains in Special Assessment Dist. 35, to T. C. Brooks & Son, Jackson, approximately $15,000. Noted Nov. 19.

Mich., Flat Rock—Village, 6,160 ft. c.i. pipe, to J. B. Clow & Sons, 534 South Franklin St., Chicago, Ill., $5,130; and 8 Detroit type fire hydrants, to Michigan Valve & Fdry. Co., 2410 1st Natl. Bank Bldg., Detroit, $1,275. Noted Nov. 19.

Ill., Martinville—For 39,470 ft. 4- to 8-in. c.i. mains, etc., in various streets, to James & Shinn Co. 2021 Wabash Ave., Mattoon, $53,000.

Ill., Staunton — City Clerk, earth dam, concrete spillway, core wall, 8,000 ft. 12 in. pipe, two 500,000 gal. units filter plant, steam heating plant, 200,000 gal. concrete reservoir, 100,000 gal. tank on tower, two 700 g.p.m., one 500 g.p.m. 40 ft. head and one 500 g.p.m. 100 ft. head and one 1,000 g.p.m. 125 ft. head motor driven pumps, 2 mi. transmission line and 2 mi. telephone line, etc., to Cole & Fauber, Marion, $229,-936. Noted Nov. 12.

Mo., St. Louis—See "Streets and Roads."

Mo., University (Sta. St. Louis)—West St. Louis Water & Light Co., 6600 Delmar Ave., will install 8 mi. 20 in. c.i. mains between Strattman Hill and vicinity of Normandy, St. Louis Co., with own forces. Private plans.

Tex., Bryan — J. B. Miller, city mgr., waterworks improvements, incl. 400,000 gal. elevated steel tank, to Pittsburgh-Des Moines Steel Co., Praetorium Bldg., Dallas, $19,810. Noted Oct. 29.

Wash., Auburn—City Comn., completing Coal Creek water system, Unit 2, 2 mi. 24-in. wood pipe to William & Douglas, Tacoma, $21,776; unit 3, reservoir and house, to Hart, Phillips & Shaughnessy, Auburn, $38,475; Units 4 and 7, to F. A. Keasel, Tacoma, $5,672 and $1,125 respectively; Units 5 and 6, to Cascade Pipe & Flume Co., Tacoma, $23,015 and $17,-706 respectively. Grand total $107,769. Engrs. est. $125,000. Noted Nov. 5.

Calif., Merced—Merced Irrigation Dist., drilling and casing three 16 in. wells, to Osterberg Bros., P. O. Box 738, Modesto.

Ont., Toronto—City, 24 in. gate valve, to Drummond McCall & Co., 373 Front St. E, $545; 42 lengths 16 in. and 204 ft. 24 in. c.i. pipe, to Natl. Iron Corp., foot Cherry St.; $59.40 and $93.25 per length respectively; seven 24 in. gate valves, to Bowden Machine Co., 163 Sterling Rd.; 24 in. check valve, to Fraser & Chalmers, 1285 Beaver Hall Hill, $890; 22 in. steel pipe, to Johns-manville Co., Ltd., 19 Front St., $1,575.

Ont., Windsor — Essex Border Utilities Comn., Murray Bldg., five 14- to 22-in. water meters, here, to Neptune Meter Co., 1195 King St. W., Toronto, $6,400. Engrs. est. $6,000. Noted Aug. 27.

Sewers

PROPOSED WORK

Conn., West Haven (br. New Haven)—Plans 7½ mi. sewers in Allingtown section. $85,000.

N. C., Cary—See "Waterworks."

N. C., Liberty—See "Waterworks."

Fla., Kissimmee—Election Dec. 5, $40,-000 bonds, storm sewers in various streets.

La., DeQuincy — Making preliminary plans sanitary sewers in various streets.

La., Slidell — Election Dec. 8, $175,000 bonds, sewerage and waterworks systems. Noted Aug. 13.

Wis., La Crosse—Making plans vitr. clay sewers in 13th Pl. between Chase and Travis Sts., 14th St. between Thompson and Travis Sts., South Ave. between East and West Aves., and West Ave. between Bennett and Weston Sts. To exceed $25,-000. C. C. Congdon, City Hall, engr.

Mo., St. Louis—Making preliminary plans 1.5 mi. partially lined and open channel for Sect. C of River Des Peres Sewer Project to connect with Sect. B (now under construction), to point about 1,200 ft. east of Macklind Ave. $1,265,000. W. W. Horner, 300 City Hall, engr.

Tex., Atlanta—Defeated $33,000 bond sewerage system. Municipal Eng. Co., 60 Praetorian Bldg., Dallas, engrs. Noted Sept. 17.

Tex., Brady — Takes bids latter part December, complete sewerage system $100,000. E. L. Jones, mayor. Noted Sept. 10.

Tex., Catarina—See "Unclassified."

Tex., Corpus Christi—City retained Jno. B. Hawley, engr., Cotton Exch. Bldg., Ft. Worth, to design and supervise construction sewerage system. $250,000. P. G. Lovenskiold, mayor. Noted Oct. 1.

Tex., Corsicana — Voted $50,000 bonds extending sewers in various streets. Noted Nov. 5. W. W. McClendon, city engr.

Tex., El Campo—Soon takes bids complete sewerage system and disposal plant $60,000. F. J. Von Zuben, 611 Dan Waggoner Bldg., Fort Worth, engr.

Tex., San Antonio—Voted $50,000 bonds storm and sanitary sewers in various streets. I. Ewig, city engr. Noted Oct. 22.

Tex., Wichita Falls — Making plans sewage disposal plant, incl. 2 story settling tanks, trickling filters, etc. $300,000 bonds voted. Montgomery & Ward, 545 Harvey-Snider Bldg., engrs.

Okla., Oklahoma City—Making surveys 30,000 ft. 8- to 15-in. concrete sanitary lateral sewers in Edgemere addition. $58,000. B. M. Hart, City Hall, engr.

Okla., Waukomis — Making preliminary plans 3 mi. new sanitary sewerage system and disposal plant for entire town. $26,000. H. E. Britton, mayor. Engineer not selected.

Wash., Walla Walla—Making plans sewage disposal plant. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., consult. engrs.

Calif., Betteravia—Union Sugar Co. plans sewage and drainage system from here to mouth of Santa Maria River. $60,000 or more.

Calif., Glendale — Made plans approximately 18 mi. 6- to 10-in. vitr. sewers in Dist. 2, $300,000.

Calif., Los Angeles—Rejected bids constructing Boyle Heights Storm Drain 3. Approximately $660,000. Noted Nov. 26.

Ont., Toronto—City Council passed by-law authorizing $11,000,000 expenditure for sewerage system in North Toronto. R. C. Harris, city engr. Noted May 7.

Ont., Toronto—Made plans 4,420 ft. 8- to 12-in. vitr. tile sewer in St. Johns Rd., Jane St., Watson, Page, Bradley, Mariposa and Winnett Aves., $45,000; 5,500 ft. 8- to 12-in. sanitary service sewers in Atlas Ave. $5,290, Dufferin St. $13,462, Scott Rd. and Regent St. $7,622. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto — East York Twp. plans 1,705 ft. 12- to 21-in. vitr. clay sewer in Main St. $21,526, and 323 ft. 12 in. in Frater Ave., $6,710; 4,960 ft. 12- to 21-in. in Keene St., Woodbine, Cedarvale and King Edward Aves., $54,000. G. R. Jack, Sammon Ave., engr.

Ont., Toronto—York Twp. making plans 8,000 ft. rein.-con. and vitr. clay service and trunk sewers in St. Johns Rd., Corbett, Willard, Windermere, Castleton and Raybrook Aves., Jane and Montye Sts., $160,-837; also 2,403 ft. vitr. clay and rein.-con. trunk and sanitary combined sewers in Rockcliff Blvd., Lambton, Frejama and Caesar Aves., $64,640. F. G. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

Md., Baltimore—Dec. 9, by Bd. Awards, 25,100 lin.ft. 5- to 15-in. vitr. sewers in Dist. G-13, Contr. 229. M. J. Ruark, 311 Courtland St., sewage engr.

Miss., Biloxi—See "Streets and Roads."

O., Euclid—See "Waterworks."

Mich., Detroit — Dec. 9, by Dept. Pub. Wks., 4,583 ft. brick and monolithic concrete sewer in tunnel, in Schoenherr Rd. Arm, Ashland Ave. Sewer, in Seven Mile and Schoenherr Rds.; and 1,989 ft. monolithic sewer in open cut in Southampton Ave. Arm East, Bedford Rd. Sewer, in Southampton Ave. from Bedford Rd. to Kensington Ave. P. A. Fellows, city engr.

Ill., Evanston—See "Streets and Roads."

Calif., Belmont—Dec. 15, by Trustees Belmont Sanitary Dist., 64,180 lin.ft. 6- to 21-in. vitr. sewers in various streets. G. A. Kneese, Courthouse, Redwood City, engr. Noted Aug. 7.

Sewers (Continued)

Calif., Roseville—Dec. 9, by City Trustees, extending sanitary sewerage system, sewerage pumping plant complete, etc. To exceed $25,000. Former bids rejected. J. W. Meredith, city engr. Noted Nov. 12.

Calif., San Carlos — Dec. 14, by City Trustees, 1½ mi. 10- to 21-in. vitr. or concrete outfall sewer in various streets. G. A. Kneese, Courthouse, Redwood City, engr.

BIDS RECEIVED

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, Nov. 25, **(e. e. means engineers estimate)**, sewers in Linden Ave. and Avenue J, from Tomassatti & Co., 1133 60th St., 74% e. e. $11,699 and 78.78% e. e. $2,700 respectively; in Eastern Parkway and 58th St.; from Gaspare & Ferlanti, 568 18th St. 85% e. e. $6,085 and 73% e. e. $4,701 respectively; in Stillwell Ave and Fort Hamilton Parkway, from Nazzarro & Guerriero, West 9th St., 71% e. e. $2,427 and 71% e. e. $2,050 respectively; in Johnson Ave., from R. Iovino, 75% e. e. $800. Noted Nov. 19.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Nov. 30, sewers in 47th St., from C. Petracca, 737 Kathleen Court, Brooklyn, $6,411; in 51st St., from Greenough Coppinger, 9301 86th Rd., Woodhaven, $3,743; and in 121st St., from Peace Bros., Inc., 57 North Lawrence St., Flushing, (a) $7,604, and from D. A. Gross, 8515 Fulton St., Woodhaven, (b) $5,268. Noted Nov. 26.

Md., Baltimore—Bd. Awards, storm water sewers listed in Storm Water Contr. 87, 760 lin.ft. 5 x 4 ft., 700 ft. 4 x 4 ft., 520 ft. 42 x 48 in., and 1,320 ft. 30 x 33 x 36 in., brick and concrete drain, also 5,400 ft. 8- to 15-in. vitr. sewer, from Catalana & Picora Co., Knickerbocker Bldg., $117,679.

O., Akron—W. F. Peters, dir. Pub. Serv., Nov. 27, Hawkins Ave. Trunk 2, 3,800 ft. 36 in. vitr. clay pipe, from McAlonan Bros., 506 Woodland Ave., $153,550, engrs. est. $136,000; and Hawkins Ave. Trunk 3, 5,000 ft. 30 in. vitr. clay pipe, from F. George, 1657 Mahoning Ave, Youngstown, $104,324, engrs. est. $138,000. Noted Nov. 19.

O., Cleveland—City, Nov. 18, 3,758 ft. circular C brick sewers in Big Creek and West 73rd St., from Winterbottom-Connelly Co., 1406 West 25th St., $122,400. Noted Nov. 12.

Calif., Alhambra—For 43,226 lin.ft. 8 in. vitr. sewers, etc., in Dist. 10, from Bebeck & Brkich, 425 West 78th St., Los Angeles, $89,965. Noted Nov. 19.

Calif., La Habra—City Trustees, 21,428 lin.ft. 10- to 15-in. outfall sewer in various streets, from O. K. Hearte, 1530 Paloma Ave., Pasadena, concrete pipe $43,654, vitr. $44,936. W. G. Knox, Ramona Bldg., Santa Ana, engr. Noted Nov. 19.

Calif., Los Angeles—For 14,784 ft. house laterals, in Country Club Dr., from P. Grbovach, 2307 East 2nd St., engrs. total est. approximately $29,265; also 32,943 house sewers in alley north of 62nd St., from J. Artukovich, 626 North Bunker Hill Ave., engrs. total est. approximately $39,096.

CONTRACTS AWARDED

Conn., Hartford—Sewers in Hillside Ave., Princeton and Rogers Sts., to B. Silvestri, 249 Otis St., $9,963; in Campfield Ave., to A. DiMarco, 61 East Main St., Plainville, $18,217. Engrs. est. $30,000.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers, etc., in Truxton St., to Slack & Slack, 1621 Gates Ave., $15,895; in Van Courtlandt Park and Dudley Aves., to A. Musumecci, 227 East 146th St., $6,745 and $5,360 respectively. Grand total $28,000. Noted Nov. 19.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, main sewer in 43rd St. at Spruce St., to J. J. McHugh, 1617 Race St., $21,850; and heating equipment in connection with Southwest Sewage Pumping Station, Penrose Ferry and Tinicum Island Rds., to Bulman Bros., 2501 North 5th St., $4,326. Noted Nov. 12.

Md., Baltimore—Bd. Awards, 36,100 lin. ft. 6- to 24-in. vitr. terra cotta sewer pipe, listed in Contr. 56, to Pen Mar Co., Munsey Bldg., Baltimore, for Mayor and City Council. $24,192. Noted Nov. 26.

Fla., Wauchula — Bd. Bond Trustees, sewer and water distribution systems, to E. N. Sheflow Co., Elgin, Ill., $119,991. Noted Nov. 19.

Mich., Detroit—Sheldon Land Co., 17,097 ft. 12- to 36-in. vitr. clay sewers in Rosedale Gardens sub-division, to Coolsaet Bros., 12734 Michigan Ave., $55,000. Noted Nov. 19.

Wis., Fond du Lac—P. F. Hohensee, city clk., 16,300 ft. 18- to 30-in. concrete sewers, etc., in East Side Sewer Dist., to H. Teget, Webster City, Ia. $81,700. Noted Nov. 5.

Wis., Milwaukee—Dept. Pub. Wks., to Wenzel & Henoch Co., 498 27th St., lateral sewer connections in Center St., $9,780, to F. A. Goll, 223 18th St., Ellen St., $747; to G. E. Zimmermann, 3402 Grand Ave., 11th Ave. $11,378, 7th Ave. $3,400; to F. J. Smith, 896 Kinnickinnic Ave., 53rd St. $1,085, 54th St. $1,476, 60th St. $764; and to T. G. Holton, 345 27th Ave., 56th St. $1,195, 57th St. $1,095, 58th St. $2,118, Meinecke Ave. $168, and 59th St. $1,798. Grand total $35,004.

Wis., Milwaukee—Dept. Pub. Wks., to G. and L. Zimmermann, 3402 Grand Ave., storm and sanitary sewers in 52nd St. $6,226, 54th St. $14,408, 56th St. $13,138, 57th St. $12,593, 59th St. $11,021, Hadley St. $11,021, and Wright St. $1,594; to F. E. Kaminski, 745 46th Ave., sewers in 58th St., $11,498; to Szukalski & Matke, 1089 American Ave. sewer in 51st St., $1,329; to A. H. Koch, 2917 Grand Ave., sewer in Grand Ave., $1,106; and to M. Synowitz, 944 2nd Ave., sewer in Muskego Ave., $4,148. Grand total $103,400. Noted Nov. 12.

Mo., St. Louis—See "Streets and Roads."

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Sect. 1 Camp Springs Public Relief Sewer, to H. A. Henske, 6034 Delmar Blvd., $161,976; Sect. 2 same sewer, to T. Connor & Sons, Boatmens Bank Bldg., $326,715; Public Relief Sewer, to Blackburn-Crean Constr. Co., Chouteau Trust Bldg., Rock Spring, $276,549; Sects. C, D and E, Ohio-Montrose Sewer, to Fruin-Colnon Constr. Co., Merchants-Laclede Bldg., $107,930. Grand total $936,170. Noted Oct. 29.

Tex., Galveston — Storm sewer in 26th St. from Ave. M to Ave. D, to W. A. Kelso & Co., 2220 C St., $25,253. Engrs. est. $27,500.

Tex., San Angelo—City Manager, new sewerage system and disposal plant, to Municipal Excavator Co., 200 East Main St., Oklahoma City, Okla. Engrs. est. $250,000. Noted Oct. 15.

Okla., Billings — Sewage disposal plant and 25,871 ft. 8- to 15-in. vitr. clay sewers, etc., in all streets, to Asplund Constr. Co., Tecumseh, Neb., $67,316. Engrs. est. $77,000.

Ont., Toronto — East York Twp., about 1,000 ft. 54 and 66 in. trunk sewer in Woodbine and Savoy Ave., to Nelson River Constr. Co., Bank of Hamilton Bldg. $32,000. Engrs. est. $35,000. Noted Sept. 24.

Ont., Toronto—East York Twp., to Ruscica Bros., 84 Woodycrest Ave., 710 lin.ft. 12 in. sewer in Guestholme Ave. $1,739, 650 ft. Woodington Ave., $1,196; to Mitchell Constr. Co., 55 Greenside Ave., 348 ft. 12 in. and 335 ft. 15 in. in Wiley Ave. $1,870, 12 in. sewer Rosevear Ave. $1,770, and 12- to 21-in. Cosburn Ave., $9,350; to Murphy Contg. Co., 8 Wychwood Park, 360 ft. 12 in. Lesmount Ave. and 245 ft. 12 in., 385 ft. 15 in. and 165 ft. 24 in. in Don Mills Rd., $3,089; to McLaughlin Bros., 55 Gould St., 326 ft. 12 in. Hopewell Ave., and 537 ft. 21- to 24-in. Don Mills Rd., $6,759; to P. Mohan, 9 Arundel Ave., sewer in Eldon Ave., $1,564; to Dept. Pub. Wks., by day labor, Westlake Ave. $10,915, and Franklin Ave. $3,336. Grand total $41,588. Noted Oct. 1.

Ont., Toronto — Vitr. tile sewer in York St., to W. R. Worthington Constr. Co., 57 Lascelles Blvd $7,914; lane near Glenhoeme Ave. and lane near Manning Ave., to P. Mohan, 9 Arundel Ave. $678 and $1,525 respectively; new street from Sherbourne to Princess Sts., to L. P. Acri, 102 Markham St., $2,574; lane near Eawan Ave. Sherbourne St., and new street from Sherbourne to Church Sts., to Dept. Pub. Wks., by day labor, $114,616. Grand total $127,307.

B. C., Point Grey—Municipality, sewers in various streets, to Cult & Mellis, East Blvd., Vancouver, $6,446, and to N. Cosco, 1174 Bway., Vancouver, $20,950. Engrs. est. $28,000.

Waste Disposal

BIDS RECEIVED

Wis., Racine—H. A. Nelson, comr. Pub. Wks., Nov. 21, remodeling garbage incinerator, incl. new furnaces, etc., from Pittsburgh-Des Moines Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $23,000. Noted Nov. 19.

CONTRACTS AWARDED

Tex., Dallas — City, c/o M. G. James, secy., 2 incinerators, one at Oak Cliff, and other at South Dallas, to Superior Incinerator Co., Wilson Bldg., $94,500.

Bridges

PROPOSED WORK

N. Y., New York—Dept. Plants & Structures, Municipal Bldg., plans eliminating High Bridge piers, in Harlem River Channel. $1,014,273.

Pa., Altoona—City, c/o City Clerk, City Hall, making plans two 25 ft. bridges on stone or concrete abutments, 20 ft., one over 31st St. at Walnut St.; and other on Pine St. $25,000 each. H. J. Baum, City Hall, engr.

La., Clayton — State Hy. Comn., Baton Rouge, plans draw bridge, two 140 ft. fixed steel and 160 ft. draw spans, near here. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

O., Youngstown—Bd. Control takes bids after Jan. 1, West Ave. Bridge. $40,000. G. Turner, city engr.

Kan., Lyndon—Osage Co. plans one 130 ft. and one 50 ft. steel truss and two 25 ft. I-beam bridges on Federal Aid Project 264. F. C. Healea, Court House, co. engr.

Kan., Medicine Lodge—Barber Co. making preliminary plans one 100 ft. steel span and two 30 ft. deck girder span bridges, also grading, etc. 4.25 mi. various roads. To exceed $25,000. L. A. Tilton, Court House, co. engr. Kansas Eng. Co., 601 Kansas Ave., Topeka, engrs.

Texas—See "Streets and Roads."

Tex., Boston—See "Streets and Roads."

Tex., Eastland—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Tex., San Antonio — Voted $100,000 bonds, 3 rein.-con. and steel bridges one on 3rd St., one on 7th St. and other on Market St. I. Ewig, city engr. Noted Oct. 22.

BIDS DESIRED

Delaware—See "Streets and Roads."

Ohio—See "Streets and Roads."

Ill., Rockford—Dec. 17, by W. Shimmin, chn. Finance Com., 800 ft. rein.-con. bridge, etc., across Rock River. B. C. Harvey, city engr. Howard, Harrington & Ash, consult. engrs.; adv. E. N.-R. Dec. 3.

Kan., Oswego—Dec. 11, by Clerk Labette Co., one 120 ft. span and 3 span bridge of one 140 and two 120 ft. spans on Parsons-Pittsburg Rd., 3,495 cu.yd. concrete, 153,400 lb. reinforcing and 117,866 lb. structural steel. H. K. Shideler, Oswego, co. engr. Marsh Eng. Co., 205 Masonic Temple, Des Moines, Ia., designers.

Kan., Seneca—See "Streets and Roads."

Missouri—Dec. 11, by State Hy. Dept., Jefferson City, rein.-con. and steel bridges in Butler, Clark, Dent, Douglas, Iron, Laclede, Lincoln, New Madrid, Scott, Stoddard, Texas, Washington and Wright Counties. B. H. Piepmeier, highway engr.

BIDS RECEIVED

New Jersey—State Hy. Comn., Trenton, Nov. 30, single leaf trunnion bascule bridge, etc., over Tuckahoe River, M. P. 29.5, on Route 14, Atlantic and Cape May Counties, from S. S. Thompson, Herbert St., Red Bank, $109,946. Noted Nov. 12.

South Carolina — See "Streets and Roads."

Calif., Long Beach — Rein.-con. bridge over flood control channel, on Bway., from S. M. Kerns, 1403 East Anaheim St., $207,775.

CONTRACTS AWARDED

N. Y., Bronxville—Westchester Co. Park Comn., 72 West Pondfield Rd., 2 stone faced rein.-con. bridges, one at East Lincoln Ave., Mt. Vernon, and other East 3rd St. over Hutchins River Parkway Dr., to Garosano Constr. Co., Mount Vernon, $167,459. Noted Oct. 29.

N. J., Jersey City — State Hy. Comn., Trenton, concrete covered steel viaduct, etc., Sect. 1, Route 1 Extension, between Jersey and Palisade Aves., Hudson Co., here, to Frederick Snare Corp., 114 Liberty St., New York City, $1,974,833. Noted Nov. 12.

Pa., Greensburg—Bd. Comrs. Westmoreland Co., c/o Controller, repairing and renewing steel work, etc., Jones Mill and Baldridge Bridge, to Farris Eng. Co., Empire Bldg., Pittsburgh, $25,250. Engrs. est. $30,000.

Pa., Pittsburgh — Allegheny Co., steel superstructure Liberty Bridge 10 over Monongahela River, to Independent Bridge Co., May Bldg., $1,233,380; and superstructure Point Bridge 3 over Monongahela River, to Fort Pitt Bridge Wks., Oliver Bldg., $907,685. Noted Oct. 29 and 8 respectively.

Bridges (Continued)

Va., Lynchburg—E. A. Beck, city mgr., Municipal Bldg., transforming wrought iron viaduct into rein.-con. structure known as Rivermont Viaduct, across Blackwater Creek, in Rivermont, to Whiting-Turner Constr. Co., Gay and Lombard Sts., Baltimore, Md., $413,802. Noted Oct. 29.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 4, Sect. 23-B, Logan Co., and on Route 13, Sect. 12-B, Jackson Co., to Parham Constr. Co., East St. Louis, $46,842 and $25,698 respectively; bridges on Route 1, Sect. 42-C, Saline Co. and Route 8, Sect. 44-C, Knox Co., to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., $10,551 and $16,112 respectively; bridge on Route 13, Sect. 12-C, Jackson Co., to Illinois Steel Bridge Co., Jacksonville, $23,565; bridge on Route 9, Sect. 47-B, Vermilion Co., to R. McLain, Inc., Danville, $7,079. Grand total $129,-847. Noted Nov. 5.

Wisconsin—State Hy. Dept., at office 2 Stephenson Bldg., Milwaukee, Atwater Bridge, three 123 ft. rein.-con. arch span bridge, 60 ft. roadway, etc., on Wisconsin Federal Aid Project 349-B, Milwaukee Co., to Stein Constr. Co., 425 East Water St., Milwaukee, $224,456. Engrs. est. $400,000. Noted Nov. 12.

Wis., Green Lake — See "Streets and Roads."

Neb., Omaha — Union Pacific R.R. Co., 1416 Dodge St., and Union Stock Yards Co., 26th and O Sts., frame and east approach of 2,400 ft. stone, steel and concrete bridge 40 ft., 27th and L Sts., to Peterson, Shirley & Gunther, W. O. W. Bldg., $25,000; steel contract, to Union Pacific R.R. Co., 1416 Dodge St., by day labor. Engrs. total est. $360,000.

Tex., Charlie—Clay Co., timber, steel and concrete bridge across Red River, to Austin Bridge Co., 1813 Clarence St., Dallas. Engrs. est. $50,000.

Dam

CONTRACTS AWARDED

N. D., Grand Forks—See "Materials."

Railways

PROPOSED WORK

North Carolina—Elk Creek Lumber Co., Lenoir, plans 14 mi. railroad from junction with Carolina & North Western R.R., through Lenoir and across the mountain to Buffalo. Address F. H. Coffey, pres. Chamber of Commerce.

Texas — Quanah, Acme & Pacific Ry., Quanah, A. F. Sommer, vice-pres. and genl. mgr., making plans extending 27 mi. standard gauge railway line from McBain to Floydale. $175,000 or more. Private plans.

CONTRACTS AWARDED

Utah—R. L. Huntley, ch. engr. Union Pacific R.R. Co., 1416 Dodge St., Omaha, Neb., grading 25.8 mi. double track road bed from Gateway to Echo, here, to Utah Constr. Co., Eccles Bldg., Ogden. Engrs. est. approximately $400,000. Noted Nov. 19.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Tex., Rio Grande City—Starr Co. Water Control & Impvt. Dist. 1, election Dec. 12, creating district and $25,000 bonds for expense of surveys and estimates. H. Garza, Rio Grande, judge.

Tex., Rockport—Aransas Co. making preliminary surveys constructing breakwater and harbor dredging, etc. $60,000. F. M. Percival, Rockport, engr.

Calif., Manteca—South San Joaquin Irrigation Dist. making plans concrete ditch lining. $25,000. C. L. Riley, dist. engr.

Calif., Martinez—Plans election $100,000 bonds, harbor developments, dredging, wharf, etc.

Calif., Yreka—Montague Irrigation Dist. voted $1,395,000 bonds, irrigating 25,000 acres, expending $706,000 for reservoir, $206,000 main canals, $148,000 lateral system, and $15,000 drainage.

BIDS DESIRED

N. J., Trenton—Dec. 15, by Bd. Commerce & Navigation, State House, dredging section proposed Inland Waterway, to connect Barnegat Bay with Manasquan Inlet, etc. V. Gelineau, dir.; adv. E. N.-R. Dec. 3.

Ala., Birmingham — Dec. 21, by Dixie Constr. Co., A. C. Polk, vice pres., 16,600 ft. canal from point on Mobile River about 25 mi. above Mobile at or near Twenty-One Mile Bluff to Tensas River, etc.; adv. E. N.-R. Dec. 3.

BIDS RECEIVED

Calif., Tracy—Trustees West Side Irrigation Dist., San Joaquin Co., drainage canals, 52,000 cu.yd. excav., from J. Phillips, 637 Santa Ray Ave., Oakland, $0.115 per cu.yd. Noted Nov. 5.

CONTRACTS AWARDED

N. J., Ocean City—Derrick stone jetties on ocean front between 59th and 60th Sts., to J. A. Howland, Seabright, $58,566. Noted Nov. 19.

La., Alexandria—Red River, Atchafalya & Bayou Beouf Levee Dist., 515 Commercial Bank Bldg., S. B. Pressing, secy., approximately 100,000 cu.yd. drag line work in Tilden to Sutton Levee Station, Avoyellas Parish, to Damerson & Kenyon, Port Allen, at $0.16 per cu. yd.

La., New Orleans — Orleans Levee Bd., New Courthouse Bldg., concrete retaining wall and rein.-con. roadway between Clouet and Marigny Sts., on east bank of Mississippi River, to Grasser Contg. Co., Canal-Commercial Bldg., $61,702.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., improving Calumet and Little Calumet Rivers from The Forks to Calumet Sag Channel, incl. 1,000,000 cu.yd. excav., etc., to Great Lakes Dredge & Dock Co., 104 South Michigan Ave. at $1.08 per cu.yd. Noted Sept. 10.

Mo., Tarkio — H. T. Speer, city clk., straightening 65,584 ft. West Little Tarkio Creek and Long Branch, 9 lateral ditches, etc., approximately 376,425 cu.yd. excav., to S. O. Briggs & Son, 1343 South 34th St., Omaha, at $0.09 per cu.yd. Noted Nov. 5.

Tex., Port Arthur—City, c/o J. P. Logan, mayor, driving piling for retaining wall to protect municipal pier and for intake suction and discharge bays of pumping plant, to Spence & Howe Constr. Co., 416 5th St., approximately $25,000. Engrs. est. $25,000.

Wash., Port Angeles—Port Comn. removing approximately 500,000 yd. sand from city harbor, to Pacific Dredging & Constr. Co., Securities Bldg., approximately $85,000.

Calif., Merced—Merced Irrigation Dist., Merced Co., cleaning and enlarging 3 mi. drainage ditch, to J. Phillips, 637 Santa Ray Ave., Oakland, $0.15 per cu.yd.; also constructing 2 mi. irrigation canal, to J. S. Gamble, Merced, $0.12 cu.yd.

Ontario—See "Unclassified."

Streets and Roads

PROPOSED WORK

Connecticut—State Hy. Dept., Hartford, plans concrete paving Cohalt-Portland—East Hampton Highway, to eliminate railroad by underpass, in Cohalt and Portland. $600,000. J. A. MacDonald, comr.

Conn., Hartford—Plans macadam paving New Britain Ave., portion of Franklin Ave., and Broad St. from Park St. to Capital Ave. $90,000.

Conn., Manchester — Plans permanent paving East Center St. J. A. Macdonald, Hartford highway engr.

Conn., New Britain — Plans concrete or asphalt one concrete repaving West Main St. J. D. Williams, city engr.

W. Va., Beckley—Raleigh Co. soon takes bids improving various roads in Town Dist. $660,000 bonds voted. H. M. Scott, Beckley, engr. Noted Sept. 3.

W., Va., Clay—Clay Co. voted $120,000 bonds, improving roads in Union Dist. L. T. Reed, co. clk.

N. C., Beaufort — Bd. Comrs. Carteret Co. plans to sell $700,000 bonds Dec. 15, constructing new roads and bridges.

N. C., Raleigh—Making plans asphalt on concrete paving St. Mary's St. and Oberlin Rd. $40,000. W. C. Olsen, Raleigh, engr.

N. C., Wilmington—Plans election $400,-000 bonds, civic improvements, of which $300,000 to be used for street paving and purchasing street cleaning equipment.

Fla., Apalachicola—Franklin Co. vo $250,000 bonds constructing hard surfa roads. Noted Sept. 3.

Miss., Hazelhurst — Making prelimina plans grading, curbing and hard surfac 8 blocks St. Charles St. $40,000.

La., Monroe—Ouachita Co. election F 2, $1,750,000 bonds, hardsurfacing 100 roads radiating from here. Address Coun Judge.

La., Natchitoches—Natchitoches Co. el tion Dec. 8, $150,000 bonds, roads in A Dist.

Tennessee—State Dept. Highways & Pu Wks., Nashville, making surveys improvi 15 mi. McMinnville-Tracy City Rd., Wa ren Co. C. N. Bass, acting comr.

Tenn., Sevierville—Sevier Co. voted $10 000 bonds, improving Indian Gap Rd. fro here to North Carolina State line. Note Nov. 26.

Ky., Murray—Plans grading and she asphalt paving 14,300 sq.yd. Poplar, Mapl and Olive Sts. $32,000. H. C. Horon, cit clk. Engineer not announced.

O., Alliance — Takes bids in spring im proving South Seneca Ave. from Miller to Milton Sts., $40,000, and asphalt surfacin Overlook Dr. from Linwood to Parkway $30,000.

O., Garfield Heights (Bedford P. O.) — Voted $180,000 bonds, improving Turney Rd. from East 131st St. to Bway. R. Munz, Town Hall, engr. Noted Oct .15.

O., Marietta—Made plans vitr. brick surfacing 4,470 ft. Putnam St. $89,801. F. H. Mautz, Marietta, engr.

O., New Philadelphia — Tuscarawas Co takes bids in spring improving 1 mi. Strasburg-Wilmont Rd., 16 ft., $25,000; and 3.75 mi. Stone Creek-New Comerstown Rd., 18 ft., $100,000.

Ind., Anderson — Voted $42,000 bonds, concrete paving 1¾ mi. 1st and Locust Sts., 25 ft. M. M. Donney, City Hall, engr.

Ind., Anderson—Plans paving, etc., ¾ mi. Noble St. from 23rd to 31st Sts., also 31st St., 30 ft. A. H. Doyle, surv.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids Nov. 12, paving Route 18, Sect. 16, De Kalb and La Salle Counties, also Route 18, Sects. 17 and 18, La Salle Co. Noted Nov. 5.

Ill., White Hall—Soon takes bids grading and concrete paving 23,400 sq.yd. Main St., etc. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs.

Wisconsin—Wood Co. Wisconsin Rapids, E Morris, comr., appropriated $25,000, paving streets in Hewitt village, and $30,-000, concrete paving 1 mi. Trunk Highway 18, at Blenker.

Wis., Racine — Racine Co., E. Fischer, comr., plans concrete paving State Trunk Highway 83 south to Burlington. $50,000 appropriated.

Ia., Cedar Rapids—Plans paving 10,000 sq.yd. 23rd, 24th and 25th Sts. between 1st and 2nd Aves., and 2nd Ave. between 23rd and 27th Sts.; also 4,700 sq.yd. Bowling St. between C St. and 23rd Ave. $35,000. L. J. Storey, city clk.

Minn., St. Paul—G. J. Ries, aud. Ramsey Co., making plans grading and gravel surfacing approximately 9 mi. Capital Highway $36,200, approximately 40 mi. Anoka cut-off $200,000, approximately 16 mi. Sibley Memorial Highway $188,000, approximately 10 mi. same road, $62,000; widening approximately 15 mi. South Robert and Concord Sts., $180,000; Forest Lake cut-off to Centerville and Ramsey Co. line $25,000; extending White Bear Ave. between Margaret St. and Upper Afton Rd., $47,100; and paving Frost Ave. between White Bear Ave. and Keller Parkway, $64,-400. P. N. Coates, 900 Guardian Life Bldg., co. surv.

Kan., Junction City—Geary Co. making preliminary plans improving Federal Aid Project 228, Sect. B, grading 0.437 mi. and one 25 ft. I-beam bridge, 20 ft. wide, and Sect. C, grading 6.011 mi. C. Smitely, Court House, co. engr. Kansas Eng. Co., 601 Kansas Ave., Topeka, engrs.

Kan., Medicine Lodge—See "Bridges."

N. D., Mandan — Plans paving approximately 100 blocks various streets in 1926. $300,000. M. H. Atkinson, city clk.

Mo., Lebanon—Making plans and takes bids about Jan. 1, asphaltic concrete paving 16,000 sq.yd. various streets. Russell & Axon, 412 McDaniels Bldg., Springfield, engrs.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, making plans re-cut granite block repaving 2 blocks 6th St. $9,650, 2 blocks 7th St. $13,400, 3 blocks 8th St. $15,600, 9th St. between Washington and Franklin Sts. $16,580, 9th St. between Franklin and

Streets and Roads (Continued)

Biddle Sts. $31,640, 9th St. between Biddle and Cass Sts. $28,880, 10th St. between Washington and Franklin Sts. $15,350, 10th St. between Franklin and Biddle Sts. $20,-000; also grading, curbing, asphalt, Warrenite or amiesite paving West Florissant St. from Kingshighway northwest to city limits, $97,350-$98,200. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Soon takes bids grading, curbing and asphaltic concrete paving, etc., Arthur St. between Watson Rd. and McDermotts Addition, $22,000; asphalt paving, etc., Cardinal Ave. between Olive St. and Lucas Ave., $32,000; and Warrenite bituthic concrete paving, etc., Nagel Ave. between Missouri Pacific R.R. tracks and Michigan Ave., $25,000. W. W. Horner, 300 City Hall, engr.

Texas—Zavalla Co. (Batesville) Dimmit Co. (Carrizo Springs) Uvalde Co. (Uvalde) and Webb Co. (Laredo) election soon $1,-000,000 bonds grading, bridging and topping Highway 55. W. F. Hutson, 950 Cambridge St., San Antonio, engr. Zavalla Co., W. W. Barker, Carrizo Springs, engr. Dimmit Co., M. B. Hodges, Uvalde, engr. Uvalde Co., and T. E. Huffman, Laredo, engr. Webb Co.

Tex., Albany — Shackelford Co., making plans gravel surfacing 14.87 mi., concrete paving 0.16 mi. and bituminous macadam on water bound macadam paving 2.56 mi. State Highway 23, Albany to Moran, 18 ft. $94,430. J. E. Pirle, Albany, engr.

Tex., Boston — Bowie Co. making plans and soon takes bids grading and bridging 6.92 mi. State Highway 98, Simms Rd., 26 ft. $43,350. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Tex., Brownsville—Making plans paving 7 mi. Ocean Beach Dr., 25 ft. $75,000. A. E. Anderson, Brownsville, engr.

Tex., Catarina—See "Unclassified."

Tex., Corsicana — Voted $75,000 bonds permanent paving various streets. J. S. Murchison, mayor. Noted Nov. 5.

Tex., Eastland — Eastland Co. making plans grading, bridging and permanent paving 4 mi. Cisco-Moran Highway, 18 ft. $135,000. G. E. Franklin, Eastland, engr.

Tex., Edinburg — Hidalgo Co., election Dec. 22, $3,500,000 bonds hard paving, etc. about 80 mi. main highways. A. W. Cameron, Edinburg, co. judge.

Tex., Groveton — Trinity Co. making plans grading, bridging, and concrete paving 20 mi. highway from here to Neches $400,000, 10 mi. road from here to Houston Co. line $210,000, and 10 mi. road from here to Polk Co. line $210,000, all foregoing 16 ft. J. O. Brooks, Groveton, engr.

Tex., Hallettsville—Lavaca Co., election Dec. 12, $175,000 bonds, hard-surfacing Smithville-Flatonia-Yoakum Highway in Moulton Road Dist. 3. W. H. Kolther, co. engr.

Tex., Memphis—Election Dec. 15, $50,000 bonds paving 40 blocks various residential streets. Engineer not selected.

Tex., San Antonio—Voted $400,000 bonds, opening and widening, etc., certain business streets; also $250,000 bonds, permanent paving business and residential streets. I. Ewig, city engr. Noted Oct. 22.

Tex., Slaton — Voted $100,000 bonds, permanent paving about 22 blocks various business streets. Gantt-Baker Co., 1116-18 West Main St., Oklahoma City, Okla., engrs. Noted Nov. 12.

Tex., Sweetwater — Voted $40,000 bonds, paving various streets. Elrod Eng. Co., Elks Bldg., engrs.

Tex., Sweetwater—Nolan Co. plans hard-surfacing road from Roscoe to Scurry Co. line, $156,000; also Road 70 from Sweetwater to Fisher Co. line, $110,000. J. N. Focht, Sweetwater, engr.

Tex., Victoria—Victoria Co. voted $77,000 bonds improving highway in Road Dist. 7. P. P. Putney, Victoria, judge.

Tex., Waco — V. G. Koch, city engr., making plans and takes bids about Dec. 17, paving 6 or 7 blocks various streets. $25,000.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading and paving 7 mi. Blackwell-Braman Rd., 30 ft., Kay Co., $115,000; grading and gravel top surfacing 20 mi. Waurika-Walters Rd., 30 ft., Cotton Co., $60,000; grading and concrete surfacing 9,760 sq.yd. Lexington-Purcell Rd., Cleveland Co., $27,000, and 206,600 sq.yd. Purcell-Wayne Rd. 7, $400,000; and grading 7 mi. Wewoka-Lima Rd., 30 ft., Seminole Co., 73,600 cu.yd. earth and 17,700 cu.yd. rock excav., 19.6 tons reinforcing, etc., $60,000. J. M. Page, highway engr.

Okla., Fairview—Plans grading, curbing and concrete paving 10,250 sq.yd. Broadway Ave. $32,600. H. G. Olmsted, 2230 West 18th St., Oklahoma City, engr.

Okla., Oklahoma City — Making preliminary plans widening 9 blocks South Robinson St., 7,600 sq.yd. sheet asphalt surfacing, 10,600 ft. curbing and 660 ft. rock excav. $65,000. B. M. Hart, City Hall, engr.

Okla., Stillwater — Plans grading and concrete paving 11,300 sq.yd. 6th St. $37,-310. C. A. Wood, Stillwater, engr.

Okla., Wewoka — Making preliminary plans grading and vertical fibre brick surfacing 6,400 sq.yd. Wewoka and Church Sts. $32,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

California—State Hy. Dept., Sacramento, making plans paving road from San Quentin to San Rafael, Marin Co. To exceed $25,000. R. M. Morton, highway engr.

Calif., Merced — Making new plans, asphaltic oil macadam paving 16 mi. Stevinson-Hilmar section. W. E. Bedesen, Shafer Bldg., engr. Noted Aug. 20.

Calif., Salinas—Plans paving portions of South Main, Lake, Harvest Sts., etc. To exceed $25,000. H. Cozzens, city engr.

Ont., Toronto — Plans asphalt on concrete paving Lewis Ave. $13,804, Tyndall Ave. $3,117; asphalt paving Bedford Rd. $9,828, Classic Ave. $3,959, Lombard St. $8,662; brick block on concrete paving Park Rd., $17,774; and grading Abbot Ave., $6,400. R. C. Harris, City Hall, engr.

BIDS DESIRED

New York — Dec. 18, by A. W. Brandt, comr. Highways, Albany, improving highways in Chemung, Cortland, Dutchess, Essex, Genesee, Herkimer, St. Lawrence, Schuyler and Westchester Counties; and reconstructing highways in Albany and Schenectady Counties; adv. E. N.-R. Dec. 3.

N. Y., Buffalo—Dec. 4, by Commissioner Pub. Wks., paving and repaving Parkridge, Spring, Bissel and Knoerl Aves. To exceed $50,000. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., New York — Dec. 9, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, laying sidewalks, etc., on Shore Blvd.; grading, curbing and flagging Avenue S, Albany, Lott and 12th Aves., East 17th, Junius, 55th and 76th Sts.; grading and permanent asphalt on 6 in. concrete paving Church Ave., East 17th, Junius, 55th and 76th Sts.

Delaware—Dec. 16, by State Hy. Dept., Dover, paving 7.93 mi. Laurel-Sharptown, Contr. CS45, and 2.4 mi. Milton-Waples Pond, Contr. CS47; also substructure bridge over Broadkill Creek, Contr. 53A; adv. E. N.-R. Dec. 3.

N. C., Wilmington — Dec. 15, by City Comrs., City Hall, grading, curbing, guttering, sidewalks, storm drains, sheet asphalt, warrenite-bitulithic or concrete paving 50,-000 sq.yds. various streets. J. L. Becton, engr.

Fla., Bradenton—Dec. 21, by City, c/o R. K. Van Camp, comr. Pub. Wks., grading, curbing and paving 65,000 sq.yd. streets. L. L. Hine, city clk.; adv. E. N.-R. Dec. 3.

Fla., Eustis—Dec. 10, by H. W. Bishop, mayor, curbing, guttering and paving 120,-000 sq.yd. various streets. $150,000. H. S. Jandon Eng. Co., Eustis, engr.

Fla., Miami — Dec. 14, by City Comn., improving Tamiami Trail, 55,813 sq.yd. sheet asphalt paving, 21,840 lin.ft. 10½ x 18 in. concrete gutter header, etc. $127,300. B. M. Ducan, Miami, engr.

Alabama—Dec. 23, by State Hy. Dept., Montgomery, bituminous macadam, penetration method and rock asphalt on two course water-bound macadam surfacing 9 mi. Decatur-Moulton Highway, 18 ft., Morgan Co. $65,000. W. A. McCalla, highway engr.

Ala., Birmingham—Jan. 1, by City Comn., asphalt surfacing 5 blocks Bush Blvd. and 10th St., 30 ft. $34,630. D. E. McLendon, mayor.

Miss., Magnolia—Dec. 7, by H. A. Mentz, consult. engr., Hammond, La., improving 30 mi. gravel highway in Pike Co., here.

Miss., Vicksburg—Jan. 5, by Bd. Supervs. Warren Co., grading, graveling and bridging 1.936 mi. State Trunk Rd. between Vicksburg and Rolling Fork, Federal Aid Project 50-D. H. C. Dietzer, highway engr.; adv. E. N.-R. Dec. 3.

Louisiana—Dec. 15, by State Hy. Comn., Baton Rouge, graveling 2.58 mi. Lake Calcasieu De Rider Highway, State Project 518, Calcasieu Parish, also 2.12 mi. Alexandria-Lecompte Highway, State Project 162-A, Alexandria Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Dec. 22, by State Hy. Comn., Baton Rouge, graveling 14.33 mi. Eunice-Elton Highway, Federal Aid Project 163, Evangeline and Jefferson Parishes; also 9.88 mi. Kentwood-Franklinton Highway, State Project 463, Tangipahoa Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Ohio—Dec. 11, by Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving 41.438 mi. roads in Allen, Defiance, Delaware, Geauga, Greene, Guernsey, Marion, Noble, Summit and Williams Counties. G. F. Schlesinger, highway comr.

O., Cincinnati—Dec. 8, by Director Pub. Serv., curbing and concrete repaving, etc., 3,800 sq.yd. Fairbanks Ave. $31,393. F. King, City Hall, engr.

O., Euclid—Dec. 7, by Village, A. Cross, clk., grading, curbing and paving Ball and Westport Aves. $75,360. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

In., Knoxville — Dec. 8, by F. O. Hall, aud. Marion Co., improving Knoxville-Attica Rd., Federal Aid Project 253, 96,-566 cu.yd. earth, 3,500 cu.yd. solid rock and 4,500 cu.yd. loose rock excav., 4,510 cu.yd. channel change, etc. R. Johnson, Knoxville, engr.

Minn., Willmar—Dec. 16, by J. W. Haines, aud. Kandiyohi Co., grading, etc., 101,097 cu.yd. Job 2601 $26,000, 86,082 cu.yd. Job 2602 $21,000, 98,101 cu.yd. Job 2603 $20,-000, 125,511 cu.yd. Job 2604 $27,000; and screen gravel surfacing 14,000 cu.yd. Job 2605, $25,000. H. L. Wadell, engr.

Kan., Belleville—Dec. 30, by Clerk Republic Co. improving 7.292 mi. Federal Aid Project 272-A, 60,007 cu.yd. excav., 18,476 lin.ft. hedge, 4,288 ft. guard fence, 38,521 lb. reinforcing, etc., and grading, curbing and concrete or brick surfacing 15,158 sq.yd. same road, Sect. B. E. C. L. Wagner, 608 Kemper Bldg., Kansas City, Mo., engrs. Noted Jan. 8.

Kan., Garden City—Jan. 5, by Clerk Finney Co., improving 5.833 mi. Federal Aid Project 248-C, 3,300 ft. guard rail, 44,333 cu.yd. rock excav., 5,733 lb. reinforcing, etc. B. L. Allen, Garden City, engr.

Kan., Junction City—Dec. 29, by Clerk Geary Co., grading, etc., 6.099 mi. Federal Aid Project 228-C, 32,216 cu.yd. earth and 71 cu.yd. rock excav., 63,395 lb. reinforcing, etc. Kansas Eng. Co., 601 Kansas Ave., Topeka, engrs.

Kan., Kansas City — Dec. 14, by Clerk Wyandotte Co., grading and concrete or rock asphalt surfacing 4.098 mi. Federal Aid Project 321-A, and 2.87 mi. same road, Sect. B, both 18 ft. O. K. Williamson, Kansas City, co. engr. Noted Nov. 5.

Kan., Olathe—Dec. 17, by Clerk Johnson Co., grading and concrete, brick, bituminous macadam or bituminous concrete surfacing, etc., 6.591 mi. Federal Aid Project 246-C, 18 ft. E. J. Terrill, Olathe, co. engr. Noted Nov. 5.

Kan., Russell—Dec. 22, by Clerk Russell Co., improving 3.958 mi. Federal Aid Project 301-A, 21,533 cu.yd. excav., 850 yd. borrow, 14,362 lb. reinforcing, etc., and 4.891 mi. Sect. B same road, 52,555 cu.yd. excav., 6,670 yd. borrow, 29,714 lb. reinforcing, etc. F. S. Gilmore, Court House, co. engr. Noted Nov. 19.

Kan., Seneca—Dec. 18, by Clerk Nemaha Co., improving 7.386 mi. Federal Aid Project 225-B, 63,718 cu.yd. excav., 9,230 yd. borrow, 26,520 yd. channel change, 36,297 lb. reinforcing, also one 16 ft. slab bridge 20 ft. wide. L. C. Price, Court House, co. engr. E. C. L. Wagner, 609 Kemper Bldg., Kansas City, Mo., engrs Noted Nov. 26.

Kan., Wellington—Jan. 4, by Clerk Sumner Co., improving 11.957 mi. Federal Aid Project 323-A, 60,140 cu.yd. excav., 40,970 cu.yd. borrow, 29,560 cu.yd. sand clay, 33,-531 lin.ft. hedge, 63,147 lb. reinforcing, etc. J. W. Mavity, Wellington, co. engr.

Neb., Holdrege—Dec. 21, by City grading, curbing and 6 in. concrete paving, etc., 42,-000 sq.yd. streets in Dists. 20 and 21. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Missouri—Dec. 11, by State Hy. Dept., Jefferson City, 30 ft. grading 61.749 mi. roads in Butler, Dent, Douglas, Laclede, Pulaski, Stoddard Washington and Wright Counties; 18 ft. gravel surfacing 29.053 mi. roads in Benton, Chariton, Clark, Iron, Lincoln, Schuyler and Texas Counties; grading and 18 ft. gravel surfacing 39.3 mi. roads in Franklin, New Madrid, Scott and Stoddard Counties. B. H. Piepmeier, highway engr.

Tex., Angleton — Dec. 16, by J. T. Loggins, judge Brazoria Co., 1½ in. bituminous on crushed stone paving, etc. 10.88 mi. State Highway 19, Federal Aid Project 367-B. $120,000. H. W. Munson, Angelton, engr. Noted Nov. 12.

Streets and Roads (Continued)

Tex., Galveston — Dec. 18, by Bd. City comrs., grade raising incl. $5,500,000 cu.yd. sand filling. A. C. Holt, Jr., city engr.

Tex., Ranger—Taking bids grading and brick paving 4,000 ft. Pleasant Grove Rd. $40,000. Address City Engineer.

Tex., Waco — Taking bids permanent paving 7 blocks various streets, 45 ft. $35,000. V. G. Koch, Waco, engr.

Okla., Guthrie—Dec. 8, by G. L. Anderson, city clk., grading, curbing and concrete paving 7,358 sq.yd. 19th, 11th, Noble, Cleveland and Drexel Sts. $25,583. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

California—Dec. 14, by State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 2 mi. road between Head of Richardson Creek, etc. R. M. Morton, Forum Bldg., Sacramento, highway engr.

California—Dec. 21, by State Hy. Comn., Sacramento, grading, concrete or asphaltic concrete paving 6 mi. road across Sand Hills, Imperial Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Ventura—Dec. 17, by Ventura Co., grading and asphaltic macadam paving 91,000 sq.ft. Pierpont Inn St., etc. C. W. Petit, Ventura, co. surv.

BIDS RECEIVED

Massachusetts — Dept. Pub. Wks., Boston, bituminous macadam paving 16,793 ft. highway, 18 ft., in Southwick and Granville, from E. Gobelle, 1147 Main St., Worcester, $76,465. Noted Nov. 12.

N. Y., Brooklyn — J. A. Gulder, pres. Brooklyn Boro, Boro Hall, Nov. 25, grading and permanent asphalt repaving various streets, and sheet asphalt paving East 7th St., from Uvalde Asphalt Paving Co., 1 Bway., New York City, $11,050 and $8,927 respectively; grading, curbing and flagging East 7th St., from A. Di Geronimo, 1974 East 1st St., $3,181; East 28th and 8th Sts., from F. Persicano, 350 Fulton St., $3,585 and $4,489 respectively, 8th St., from G. M. Mandatto, 29 29th St. $5,781 and 19th Ave. from V. Peconi, 152 East 4th St. $1,599; permanent asphalt repaving Flatbush Ave., from Highway Impvt. & Repair Co., 30 Church St., New York City, $73,374; grading and permanent asphalt paving 15th and 19th Aves., from Cranford Co. 52 9th St., $19,295 and $3,162 respectively, 81st St. and 19th Ave., from B. Turecamo Contg. Co., 8706 Bay 12th St., $6,267 and $3,162; $1,599. Noted Nov. 19.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Nov. 30, grading, etc., Queens Blvd., from Eastern Contg. Co., 367 Fulton St., Brooklyn, $204,374.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Nov. 24, bituminous concrete paving Vanderbilt Ave. from Bay to Van Duzer Sts., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $90,112. Noted Nov. 19.

South Carolina—State Hy. Dept., Columbia, Nov. 24, **(S. R. means State Route, S. P. means State Project and F. A. P. means Federal Aid Project)** sand clay surfacing, etc. 12.6 mi. S. R. 121, S. P. S-599, from Costello Bros. Co., Henson Bldg., Knoxville, Tenn. $44,792, 14.1 mi. S. R. 24, S. P. S-545, from Ago Constr. Co., Batesburg, $79,746, both in Lexington Co., 13.9 mi. S. R. 36, S. P. S-587-A, Mamberg Co., from Houseal & Teague, Winnsboro $57,624, one 150 ft. and one 225 ft. span treated timber bridges on same road from Hill & Goss, Aiken, $11,681; sand clay surfacing 9.1 mi. S. R. 36, S. P. S-587-D, Hampton Co., from Morrison & Glover, Augusta, Ga., $41,287, and thirty-seven 15 ft. span treated timber bridge on same road from Hill & Goss, Aiken, $12,685; sand clay surfacing 4 mi. S. R. 23, S. P. S-580, and 0.931 mi. S. R. 23, S. P. S-608, from Virginia Contg. Co., Bishopville, $18,328 and $7,227 respectively, also 7.7 mi. S. R. 3, F.A.P. 171-A, from Mulligan Constr. Co., North Wilkesboro, $33,439, all foregoing in Marion Co., three 15 ft. span treated timber bridge on same road from Palmer Constr. Co., Florence, $2,674; rock asphalt or sheet asphalt paving Yauhannah Ferry Bridge on S. R. 40, F.A.P. 241, Georgetown-Horry Co., from J. A. Peterson, Montgomery, Ala., $29,387; plain concrete or asphaltic concrete paving 6.2 mi. S. R. 2, F.A.P. 29-A, from B. H. Martin, Easley $173,514, and 0.677 mi. S. R. 10, F.A.P. 170, from Ballenger Paving Co., Greenville, $22,271, both in Laurens Co.; ten 15 ft. span treated timber bridge on S. R. 23, S. P. S-580, Marion Co., from Palmer Constr. Co., Florence, $4,604. Noted Nov. 19.

La., Baton Rouge—East Baton Rouge Parish grading and graveling 13,500 cu.yd. Dist. 4, from Calmes & Houge, Inc., Baton Rouge, $29,220.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., 3½ in. sheet asphalt on 8 in. concrete paving 1,175 sq.yd. Pittsburgh Ave., 30 ft. $5,857, 1,240 sq.yd. Lanman St. $3,150, 3,410 sq.yd. Armour Ave. $15,133, 1,990 sq.yd. Carrie Ave. $9,040, 760 sq.yd. Cresswell Ave. $3,739, 1,570 sq.yd. Stoepel Ave. $7,496, 3,095 sq.yd. Marcus Ave. $13,866, 1,620 sq.yd. Edwin Ave. $7,559, 3,280 sq.yd. Kern Ave. $14,429, 4,020 sq.yd. Fredro Ave. $17,665, 2,240 sq.yd. Burlingame Ave. $9,861, and 1,800 sq.yd. Halleck Ave. $8,789, all above 28 ft. Noted Nov. 26.

Tex., Henrietta—Clay Co., graveling 2.5 mi. Henrietta Jacksboro Rd., and 2.5 mi. Henrietta-Petroleum Rd., 16 ft., from C. H. McClellan, Wichita Falls, $29,781. Engrs. est. $32,000.

Tex., Houston — Paving Brunner Ave. from Buffalo Bayou Bridge to Houston & Texas Central Ry. tracks, from Smith Bros., 2402 West Dallas Ave., $74,096. Engrs. est. $75,000.

Calif., Long Beach—From A. Giebisch, Virgil Walk, improving Esther St. (Pump Dist. 8), 53,155 ft. 8 in. pipe $1.20 per ft., 3,788 ft. 10 in. cement pipe $1.20, 9,014 ft. 12 in. cement pipe $1.55, 3,975 ft. 18 in. cement sewer $2.56, etc., total approximately $142,425.

CONTRACTS AWARDED

N. Y., Long Island City—Park Bd., Arsenal Bldg., 64th St. and 5th Ave., New York City, improving Shore Rd. in Astoria Park, here, to Connor Bros., 629 Albany Ave., Brooklyn, $247,877. Noted Nov. 26.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing and sidewalks on Lake View Pl., to S. Nugent, 285 West 150th St., $2,350; grading Grand View Pl., to I. F. Cavaluzzo, 1538 Walton Ave., $17,625; and granite and sheet asphalt repaving East 161st St., to Asphalt Constr. Co., 208 Bway., $34,044. Grand total, $54,019. Noted Nov. 19.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and asphalt block paving 103rd St., to Regan Towers Co., 124 West 121st St., $18,770. Noted Nov. 19.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block repaving Van Duzer St., to J. Meehan, 90 West St., New York City, $42,973. Noted Nov. 19.

Pa., Pittsburgh — Grading, curbing and paving Sanders St. and Jordan Way between Atlantic Ave. and North Rebecca St., to M. O. Herron Co., South 1st and McKean Sts., $27,543. Engrs. est. $30,000.

Pa., Pittsburgh — Allegheny Co., reconstructing Bower Hill Rd. in Mt. Lebanon, Scott and Upper St. Clair Twps., to H. D. Patterson Co., Keystone Bldg., $199,533. Engrs. est. $200,000.

Pa., Pittsburgh—Allegheny Co., general contract eliminating curves on Three Degree Rd., Ross Twp., to J. H. McQuade & Sons Co., Magee Bldg., $65,443. Engrs. est. $75,000.

North Carolina—State Hy. Comn., Raleigh, grading and asphalt on 5 in. concrete paving 4.07 mi. Project 435, Granville Co., to R. G. Lassiter & Co., Citizens Natl. Bank Bldg., Raleigh, $123,327.

Miss., Yazoo City—Scarifying, shaping, curbing and Kentucky rock and gravel surfacing, etc., North, 3rd, Canal, Calhoun and Grand Sts., to Williams Eng. Co., Yazoo City, $19,397. Noted Nov. 5.

O., Euclid—Grading, curbing and asphaltic concrete paving, etc., 2 streets, to Highway Constr. Co., Guarantee Title Bldg., Cleveland, $55,774.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 16, Sect. 11-W, Shelby Co., to W. F. Sell, Pana $956, Route 33, Sect. 4, Jasper and Crawford Counties, to Mautz-Oren, Inc., Effingham $82,315, Route 27, Sect. 16, Carroll and Ogle Counties, to C. E. Carson Co., 601 St. Clair St., Chicago $93,586, Route 23, Sects. 26 D and E, DeKalb Co., and Route 30, Sect. 10, Stark Co., to Hartemann-Clark Bros. Co., Dwight $8,400 and $45,501 respectively; grading Route 40, Sect. 8-A, Whiteside Co., to Stevens Bros., St. Paul, Minn., $14,372. Grand total $24,130. Noted Nov. 5.

Wis., Green Lake — Green Lake Co. grading, gravel surfacing and concrete bridges on Green Lake Inlet Rd., to H. Johnson, Stoughton, $33,094.

Nebraska—State Hy. Dept., Lincoln, improving 5 mi. Federal Aid Project 279 in Greeley and Howard Counties, grading, etc., to R. R. Knight, Franklin, $29,281; concrete culverts, to Mid-State Constr. Co., Hastings, $13,456; guard rail, to Nebraska Culvert & Mfg. Co., Wahoo, $5,920; and bridge, to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, $2,428. Grand total $51,175. Noted Oct. 29.

Nebraska—State Hy. Dept., Lincoln, to Central Bridge & Constr. Co., Wahoo, improving 3.5 mi. Federal Aid Project 235 in Saunders Co., grading $9,145; gravel surfacing $6,518, concrete culverts $4,82[illegible] bridges $11,217; and to Nebraska Culvert & Mfg. Co., Wahoo, guardrail $2,356. Grand total $34,061.

Mo., St. Joseph—Concrete paving Sycamore St. between 4th and 6th Sts., and alley beween Edmond and Felix Sts., from 26th to 27th Sts., to Public Works Co., at $7,603 and $1,800 respectively; asphaltic concrete paving Olive St. between 28th and 30th Sts., to Metropolitan Paving Co. Donnell Court, $8,215, Kemper St. between Mulberry and Clay Sts., and concrete paving Gordon St. between Virginia and Michigan Sts., $4,135 and $5,138, respectively. Grand total $26,891.

Mo., St. Louis—Grading Frederick St., to J. T. McMahon, 1514 Farragut St., $3,035; Graham St. and Skinker Rd., to Hoolan Constr. Co., Wainwright Bldg., $2,225 and $14,798 respectively; and Magnolia Ave., to F. A. Grant, 3219 Holiday St. $4,271. Grand total $24,329.

Mo., St. Louis—Bush—Burns Realty Co., 1105 Chestnut St., grading, sidewalks, sewers, water, and gas mains, etc. in Northampton subdivision on Kingshighway, to Fruin-Colnon Contg. Co., Merchants-Laclede Bldg. Engrs. est. $250,000 upwards.

Ark., Conway—Grading, curbing and 5 in. concrete paving Dist. 11, to C. W. Jones, Conway, $22,858. Noted July 16.

Tex., Austin — Travis Co., rein.-con. paving 65,356 sq.yd. State Highway 2, Austin-Georgetown Rd., Federal Aid Project 409, to Southwest Bitulithic Co., Gunter Bldg., San Antonio, $144,716. Engrs. est. $161,500.

Tex., Houston—Permanent paving Smith St. from Buffalo Bayou Bridge to Robin St., to Smith Bros., Inc., 2402 West Dallas Ave., $58,155.

Oklahoma — State Hy. Dept., Oklahoma City, grading and gravel surfacing 32,250 sq.yd. Forney-Kent Rd., Choctaw Co., to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $26,434. Engrs. est. $28,760.

Okla., Davenport—Grading, curbing and vertical fibre brick paving 12,780 sq.yd. Main St., to H. L. Cannady & Co., 1122 South Lewis St., $57,000. Engrs. est. $57,500. Noted Nov. 26.

Wash., Seattle—Comrs. King Co., grading Kirkland-Redmond Rd., to Milburn & Stone, 1100 Fairview Ave., $31,000. Engrs. est. $30,000.

Wash., Tacoma — City Commissioners, asphaltic concrete paving Canal St. between East 11th St. and St. Paul Ave., to Yakima Paving Co., Perkins Bldg., $45,969. Engrs. est. $55,000.

Calif., Inglewood—Grading, curbing, guttering, sidewalks and 5 in. Willite paving 143,450 sq.ft. Exton Ave., Plymouth St., etc., to G. H. Oswald, 366 East 58th St., Los Angeles, $55,755.

Calif., Oxnard—For 5 and 6 in. concrete paving 345,600 sq.ft. various streets, to Fleming Constr. Co., 105 North Park Ave., Pomona, approximately $90,365.

Calif., San Diego — A. W. Wright, city clk., grading, sidewalk and 1½ in. asphalt on 5 in. concrete paving 42,817 sq.ft. 15th St., to Griffith Co., 25 14th St., $47,025. Noted Oct. 22.

Ont., North Bay—Grading, curbing, guttering and asphalt on concrete paving various streets, to Warren Paving Co., Ottawa, $40,000.

Ont., Toronto — To Warren Bituminous Paving Co., 54 University Ave., bitulithic on concrete paving Victoria Park Ave., $38,715; to Dept. of Pub. Wks., by day labor, asphalt on concrete paving Kille St. $1,911, Mt. Pleasant Rd., Sect. A $26,071,

Streets and Roads (Continued)

Sect. C same road $25,090, and bitulithic on concrete paving Parkdale Rd. $3,764. Grand total $95,551.

B. C., Point Grey — Municipality, 2 in. blacktop on 5 in. rock paving King Edward Ave., to A. B. Palmer & Co., Ltd., 786 Granville St., Vancouver, $15,825; 7 in. concrete paving 10th Ave., to Dawson, Wade & Co., Bekins Bldg., Vancouver, $14,309, and Dunbar St., to Armstrong Morrison & Co., 543 Granville St., Vancouver, $7,671. Grand total $37,805. Engrs. est. $37,806.

Buildings—Industrial

PROPOSED WORK

N. Y., Buffalo—PLANT—Pratt & Lambert, Inc., 1451 West Ave., having plans prepared factory, West Ave. $30,000.

Pa., Altoona—PACKING PLANT—G. W. Shaffer, pres. Shaffer Stores Co., 717 Green Ave., plans 3 story, 80 x 113 ft., rein.-con., brick and steel, 9th Ave. $200,000. Engineer and architect not selected.

Pa., Johnstown — MIXING PLANT — Bethlehem Steel Co., having plans prepared and takes bids latter part December, constructing mixing and coke preparing plant. $500,000. A. T. Keller, Bethlehem, co. engr.

Pa., Zelionople — WAREHOUSE and POWER PLANT — Elliott Nursery Co., Magee Bldg., Pittsburgh, having plans prepared by J. H. Phillips, Box 977, Pittsburgh, 1 story and basement, warehouse, power plant, greenhouses, etc., here. $50,000.

La., Alexandria — ICE PLANT — Alexandria Ice & Cold Storage Co., E. Harding, pres. and genl. mgr., having plans prepared by G. B. Mills, consult. engr. 5789 Waterman Ave., St. Louis, Mo., for ice plant, on 125 x 200 ft. site, here. $150,000.

Tenn., Knoxville — REFRIGERATION PLANT—City plans refrigeration plant for municipal market house. $60,000. L. Brownlow, city mgr.

O., Wadsworth—FACTORY—Wadsworth Salt Co., having plans prepared by W. D. Spengler, archt. and engr., 1053 Union Trust Bldg., Cleveland, 1 and 3 story, brick, steel and concrete factory, boiler house and engine room, here. $150,000.

O., Worthington—POWER PLANT—See "Unclassified."

Ind., Rushville—FOUNDRY—Dill Fdry. Co. plans 1 story, 140 x 180 ft., brick and steel foundry. $50,000. Private plans.

Mich., Detroit—ASSEMBLING PLANT—Cadillac Motor Co., Scotten Ave., having plans prepared by A. Kahn, 1000 Marquette Bldg., 1 story, 125 x 750 ft., brick, steel and concrete assembling plant.

Mich., River Rouge (br. Detroit)—MOTOR PLANT — Ford Motor Co., B. R. Brown, constr. dept., Highland Park, having plans prepared by A. Kahn, 1000 Marquette Bldg., 1 story, concrete, brick and steel addition, here. $200,000.

Ill., Chicago—FACTORY—C. E. Peterson Co., 4911 Wentworth Ave., having plans prepared by F. E. Davidson, 304 South Dearborn St., and takes bids about January 1, 1 and 2 story, 260 x 600 ft., fireproof, 82nd St. and Haynes Ave. $300,000.

Minn., New Prague—POWER STATION —City, c/o A. Dvorak, city clk., making plans remodeling municipal electric power plant from d.c. to a.c., also extending distribution system. $50,000. J. H. A. Brahtz, 601 Builders Exch. Bldg., St. Paul, consult. engr.

Minn., St. Paul—ASSEMBLING PLANT and OFFICE—T. F. Eagan, dist. mgr. Mack International Motor Truck Corp., 2234 University Ave., plans 3 or 4 story and basement, rein.-con. and brick, University and Cromwell Aves. $400,000. Private plans.

Mo., St. Louis—PLANT—St. Louis Trunk Hardware Mfg. Co., 609 Chouteau Ave., C. J. Christophel, pres., purchased site and making preliminary plans 1 story, 100 x 400 ft., brick and concrete, Union Blvd. at Slevin St. $125,000. Engineer and architect not selected.

Tex., Colorado—ICE and COLD STORAGE PLANT — Dillingham & Alexander, Breckenridge, plans new ice and cold storage plant, here. $75,000. Engineer and architect not selected.

Tex., Denton—ICE PLANT—Crystal Ice Co., plans rein.-con. and brick plant, 25 ton capacity. $60,000. Work may be done by day labor. Private plans.

Tex., Greenville — ABATTOIR — N. Burnett, having revised plans prepared by W. R. Ragsdale, 301 Becham Bldg., 1 story, rein.-con. abattoir, $45,000.

Tex., Malakoff—INDUSTRIAL HOUSES —United States Co., c/o President, having plans prepared by W. N. Noonan, 301 Builders Exch. Bldg., San Antonio, sixty 1 story industrial houses. $200,000.

Tex., San Antonio—LAUNDRY—White Star Laundry, S. G. Bechtel, mgr., 115 West Houston St., purchased site and plans laundry, Dallas St. and Jones Ave. $75,000. Engineer selected soon.

Tex., Vernon—ICE PLANT and POWER HOUSE—Vernon Electric & Ice Co., R. H. Smith, mgr., plans 1 story, concrete, brick and steel addition, incl. 600 hp. oil engine in power house. $160,000.

Colo., Denver — PIPE FOUNDRY — Colorado Fuel & Iron Co., Boston Bldg., plans addition to c.i. pipe foundry, increasing present capacity of 35 tons to 200 tons daily.

Calif., Long Beach — FACTORY and PLANT — Condit-Woodley Co., J. M. Post, vice-pres., Virginia Hotel, plans 2 story factory, and 4 story, 100 x 300 ft. refrigeration plant on harbor front.

Calif., Vernon—WAREHOUSE—Percival Iron & Steel Co., 232 Aliso St., Los Angeles, having plans prepared 2 story, 129 x 140 ft., brick and concrete, Vernon Ave. Private plans.

Calif., San Francisco—FACTORY—Hermann Safe Co., 216 Fremont St., had plans prepared 1 and 2 story, 137 x 137 ft., rein.-con., Main and Howard Sts. $75,000. T. Ronneberg, Crocker Bldg., engr.

Que., Richmond—MANUFACTURING—Skelly Electrical Mfg. Co., plans 2 story, 100 x 300 ft. plant. $150,000. D. A. Skelly, Sherbrooke, pres.

Ont., Collingwood—MILLS—D. Graham & Sons, Inglewood, plans rebuilding knitting mills, recently destroyed by fire. $50,000 loss.

Ont., Park Hill — GARAGE REPAIR SHOP—J. C. Knapton plans rebuilding garage repair shops, recently destroyed by fire. $50,000.

Ont., Toronto—SERVICE STATIONS and GARAGE—Imperial Oil Co., 56 Church St., having plans prepared by L. G. Wheaton, c/o owner, brick, concrete and steel warehouse and garage, Princess St., and service stations each at Indian Rd., Dundas and Dupont Sts. $150,000.

BIDS DESIRED

Mass., Greenfield — ICE CREAM FACTORY—J. G. Trumbull Co., 31 Davis St., taking bids 2 story, 45 x 105 ft., rein.-con. and brick factory. $45,000. S. A. Clark, Naugatuck, Conn., archt. Noted Nov. 26.

Mass., Watertown—PLANT and STORAGE—Amer. Soda Fountain Co., 282 Congress St., Boston, taking bids 1 and 2 story, 175 x 380 ft., brick and steel plant. To exceed $40,000. Monks & Johnson, 99 Chauncy St., Boston, archts.

Md., Baltimore—FOUNDRY—Dec. 14, by W. S. Austin, engr., Maryland Trust Bldg., 1 story, 100 x 260 ft., brick and steel, plain foundation, Garrett Ave. and Taylor St., for Flynn & Emrich Co., 305 North Holliday St. $50,000. Noted Aug. 27.

Mich., Detroit—ASSEMBLY—A. Kahn, archt., 1000 Marquette Bldg., taking bids and opens same about Dec. 3, 1 story, 128 x 750 ft., rein.-con. and steel, plain foundation, Scotten Ave., for Cadillac Motor Car Co., Scotten Ave.

Mich., Detroit—WHEEL PLANT—A. Kahn, archt., 1000 Marquette Bldg., taking bids and open same about Dec. 2, 1 story, 61x414 ft., rein.-con., brick and steel, addition, plain foundation, Charlevoix Ave., also 1 story, 122 x 412 ft., brick steel and concrete addition to press building and shipping dock, etc., for Budd Wheel Corp.

Mich., Menominee — MILL — See "Contracts Awarded."

Ill., Franklin Park — MILL, etc. — See "Contracts Awarded."

Tex., Colorado — ICE and COLD STORAGE PLANT — See "Contracts Awarded."

Tex., Sweetwater — ICE and COLD STORAGE PLANT — See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Chelsea (br. Boston)—FACTORY —Panco Rubber Co., Highland St., 1 story, 50 x 60 ft., brick and steel addition, to J. Slotnick, 448 Bway. Archts. est. $40,000.

Mass., Fall River—REPAIR and SERVICE GARAGE—Webb Oil Co., 8 Durfee St., 2 story, 105 x 120 x 140 ft., rein.-con., to Greany & Sherry, 825 Davol St. Archts. est. $70,000.

R. I., Providence — FACTORY — Rhode Island Fittings Co., Hills Grove, 1 story, rein.-con., brick and steel addition, plain foundation, Georgia and Allens Aves., here, to E. H. Bigney, 49 Weybosset St. Archts. est. $60,000.

N. J., Camden—FACTORY—C. E. Wunder, archt., 1520 Locust St., Phila., Pa., 2 story and basement, 87 x 145 ft., rein.-con., brick and steel, 1643-47 Haddon Ave., to P. Brosz, 2515 West Huntington St., Phila., Pa., for Acme Staple Co. Archts. est. $55,000. Noted Oct. 22.

N. J., Gloucester — MILL, etc. — C. E. Wunder, archt., 1520 Locust St., Phila., Pa., 2 story and basement mill, 1 story, 20 x 34 ft. boiler house, and 1 story, 33 x 35 ft. office building, Essex and Pennsylvania R.R. tracks, here, to E. E. Hollenbock, Inc., 1824 Bway., Phila., Pa., for Forrest Mercerizing Co. Archts. est. $50,000.

Pa., Lansdale—HOSIERY MILL—Dexdale Hosiery Co., 3 story and basement, 95 x 135 ft., rein.-con. and brick, plain foundation, to W. Steele & Son, 219 North Broad St., Phila. Archts. est. $100,000.

Pa., Phila. — SHOP — Hood Bros., Palethorpe and Oxford Sts., 1 story, 16 x 20 ft., and 24 x 96 ft., rein.-con., brick and steel addition, plain foundation, 4336 Orchard St., to Wintz Bros., 1618 Sellers St.

Pa., Ridgeway — SILK MILL — Holmes Silk Co., Williamsport, 1 story and basement, general contract 73 x 100 ft. mill addition, to Hyde Murphy Co., Ridgeway. Archts. est. $75,000.

Pa., Uniontown—RADIATOR PLANT—Richmond Radiator Co., 1 story, 66 x 110 ft. foundry, 32 x 70 ft. warehouse, 40 x 136 ft. machine dept., 74 x 30 ft. testing dept., and 20 x 172 ft. enamel dept., to Truscon Steel Co., 1030 Albert St., Youngstown, O. Engrs. est. $46,500. Noted Nov. 12.

O., Ashtabula—FACTORY—Aetna Rubber Co., 2 story factory, to H. K. Ferguson Co., 6300 Euclid Ave., Cleveland. Archts. est. $50,000.

O., Cleveland—FACTORY—H. N. White, 5225 Superior Ave., 3 story and basement, 32 x 106 ft., brick and steel addition, 5225 Superior Ave., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $40,000.

O., Cleveland — PAINT and VARNISH PLANT — Arco Co., S. D. Wise, pres., 6408 Euclid Ave., 1 story, 45 x 100 ft., brick, steel and concrete top addition, East 78th St., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. about $40,000.

O., Elmwood Place (Cincinnati P. O.)—FACTORY — Worthington Pump & Mchy. Co., 1 story, 114 x 140 ft., brick, steel and concrete addition, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $60,000.

Ind., Franklin—FACTORY—McCoughlen Mfg. Co., 2 story and basement, 45 x 65 ft. underwear factory, brick, to R. C. Bryant, Franklin. Archts. est. $50,000.

Ind., Hammond—FACTORY—Standard Steel Car Co., 1 story, 80 x 335 ft., steel car factory, to Austin Co., 160 North La Salle St., Chicago, Ill. $200,000 cost plus basis.

Mich., Bay City — PLANT — Kuhlman Electric Co., 75 x 250 ft. plant addition, to H. G. Webber Constr. Co., 320 Shearer Bldg.

Mich., Detroit—POWER HOUSE—University of Detroit, 630 East Jefferson Ave., general contract 2 story and basement, 48x52 ft., rein.-con., brick and steel, plain foundation, Six Mile Rd. and Livernois Ave., to F. H. Goddard, 1230 Franklin St., approximately $200,000.

Mich., Menominee—MACHINE SHOP—Prescott Co., Bway. and Wabash Ave., brick and steel, foundation, to Worden-Allen Co., 208 South La Salle St., Chicago, Ill.

Mich., Menominee — MILL — Menominee Lumber & Cedar Co., North State St., will build 2 story, 62 x 85 ft., timber, plain foundation, by day labor. $40,000. Private plans.

Buildings—Industrial (Continued)

Ill., Franklin Park—MILL, etc.—Central Lumber Terminal Corp., 20 West Jackson St., Chicago, will build 1 story, 100 x 700 ft. lumber shed, 40 x 700 ft. shingle shed, 60 x 100 ft. mill, and 2 story, 30 x 40 ft. office, here, by day labor under supervision. W. H. Sacket, engr., Franklin Park, $200,000.

Wis., Appleton—PAPER MILL—Kimberly-Clark Co., Neenah, 3 story, 55 x 95 ft., brick and concrete addition, plain foundation, to C. R. Meyer & Sons Co., 50 State St., Oshkosh. Archts. est. $40,000.

Wis., Milwaukee—FACTORY—A. Meckelbury Sash & Door Co., 760 31st St., 4 story, 50 x 140 ft., and 58 x 120 ft., also 1 story, 76 x 130 ft., brick and timber addition, plain foundation, 31st St., to Klug & Smith Co., 69 Wisconsin St. Engrs. est. $100,000.

Minn., Minneapolis — LABORATORY — Dept. Administration & Finance, State Capitol, St. Paul, general contract 2 story and basement, 50 x 110 ft., rein.-con. and brick addition at State University, here, to Albee Bros., 621 Plymouth Bldg., Minneapolis, for State Highway Dept., St. Paul. $55,870. Noted Nov. 26.

Mo., Cape Girardeau—PACKING PLANT —Miles Packing Co., A. E. Miles, pres., general contract 1 and 2 story, 77 x 135 ft., brick, hollow tile and steel, South Cape Girardeau St. on Cape La Croix Creek, to J. Warner, Cape Girardeau. Archts. est. $100,000.

Mo., Rolla—SHOE FACTORY—Chamber of Commerce, c/o G. E. Joslin, pres., 3 story, 50 x 200 ft. factory with 45 x 50 ft. wing, rein.-con. and brick, to F. J. McCaw, Rolla. Archts. est. $75,000. Pennington-Gilbert Shoe Co., c/o W. Pennington, pres., 5544 Pershing Ave., St. Louis, lessee. Noted Nov. 26.

Mo., St. Louis—IRON FOUNDRY—Liberty Fdry. Co., 7600 Vulcan St., 1 story, 90x160 ft., and 2 story, 30x90 ft., concrete and steel addition, 5000 South 38th St., to Austin Co., 160 North La Salle St., Chicago, Ill. Archts. est. $45,000.

Mo., St. Louis — SHOE POLISH FACTORY—Barton Mfg. Co., 311 South 13th St., Waco, Tex., 2 story and basement, 130 x 170 ft., rein.-con., Kingshighway and Brown St., to Widmer Eng. Co., Laclede Gas Bldg. Archts. est. $100,000. Noted Aug. 27.

Tex., Amarillo — LAUNDRY — Amarillo Laundry Co., c/o J. B. McClure, supt., 1 story, 35 x 135 ft., brick addition, Harrison and 3rd Sts., to F. Bone Constr. Co., Amarillo, approximately $45,000.

Tex., Colorado — ICE and COLD STORAGE PLANT — Colorado Ice Co., L. J. Geer, will build rein.-con. and brick, 20 ton capacity ice and cold storage plant, by day labor. $100,000. Private plans.

Tex., Sweetwater — ICE and COLD STORAGE PLANT — Sweetwater Ice & Cold Storage Co., will build rein.-con. and brick, 30 ton capacity addition, by day labor. $150,000. Private plans. Noted Nov. 12.

Buildings—Commercial

PROPOSED WORK

Mass., Somerville (Boston P. O.) — THEATRE — G. Vartegin, c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, having revised plans prepared 2 and 3 story and basement, 100 x 200 ft., brick and terra cotta, 303 Bway. $200,000. Former bids rejected. Noted Nov. 12.

Conn., Bristol—HOTEL—Hotel Perl, 159 North Main St., H. Perlstein, prop., will not construct 4 story and basement, brick and steel addition. Noted Nov. 19.

N. Y., New York—APARTMENT—Hurlang Realty Corp., c/o H. Hurwitz, engr. and archt., 41 West 33rd St., having plans prepared 5 story, 50x100 ft., brick, steel and stone, plain foundation, Vyse Ave. and 172nd St. $150,000.

N. Y., New York—APARTMENT—Two thousand seven hundred twenty-seven Bway Corp., c/o Gronenberg & Leuchtag, engrs. and archts., 450 4th Ave., having plans prepared 9 story, brick, steel and stone, plain foundation, 30 West 19th St. $350,000.

N. Y., New York — APARTMENT — Colonial Bank, 921 Columbus Ave., having plans prepared by G. F. Pelham, engr. and archt., 200 West 72nd St., 8 story, 50 x 100 ft., brick, steel and stone, plain foundation, 77 West 104th St.

N. Y., New York — APARTMENT — Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., preparing plans 5 story, brick, steel and stone, Allerton Ave. $250,000. Owner's name withheld.

N. Y., New York — APARTMENT — Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., preparing plans 5 story, brick, steel and stone, plain foundation, Barker Ave. $250,000. Owner's name withheld.

N. Y., New York—CURB MARKET—New York Curb Exch., Greenwich St., soon takes bids 3 story, 65 x 185 ft., brick, steel and stone addition, plain foundation. $400,000. Starrett & Van Vleck, 393 7th Ave., engrs. and archts.

N. Y., New York — HOME — Hebrew Childrens Home for Temporary Shelter, 30 West 120th St., soon takes bids 7 story, brick, steel and stone, plain foundation, West 120th St. $250,000. A. P. Hess, 345 Madison Ave., engr. and archt.

N. Y., New York—HOTEL—H. Phipps Estate, 787 5th Ave., plans 20 story, 125 x 200 ft., brick, steel and stone, plain foundation, 8th Ave. between 49th and 50th Sts. $8,000,000. Engineer and architect not selected.

N. Y., New York—OFFICE—W. Salmon, 17 West 42nd St., having sketches made by York & Sawyer, engrs. and archts., 100 East 42nd St., brick, steel and stone, plain foundation, West 43rd St. $5,000,000.

N. Y., New York — THEATRE — F. F. Proctor, 1564 Bway., soon takes bids brick, steel and stone, plain foundation, Lexington Ave. and 86th St. $600,000. T. W. Lamb, 644 8th Ave., engr. and archt.

N. Y., New Rochelle—HOSPITAL—New Rochelle Hospital, having plans prepared by Crow, Lewis & Wick, engrs. and archts., 200 5th Ave., New York City, brick, steel and stone, plain foundation, Linon Pl. $250,000.

N. Y., New Rochelle—HOTEL—George Washington Co., having plans prepared by W. M. Mason, engr. and archt., 70 East 45th St., New York City, brick, steel and stone, plain foundation, Locust Ave. $1,500,000.

N. Y., Rochester—THEATRE, etc.—R. B. Williamson, archt., 405 Bway., Milwaukee, Wis., preparing preliminary plans rein.-con. and brick theatre and business building, plain foundation, here. $600,000. Owners name withheld.

N. J., Hackensack—Hackensack Y. M. C. A. having plans prepared by L. R. Jallade, archt. and engr., 129 Lexington Ave., New York City, brick, steel and stone, plain foundation, Main St. $400,000.

N. J., Jersey City—EXCHANGE—New York Telephone Co., 15 Dey St., New York City, soon takes bids 3 story, rein.-con., brick and steel, plain foundation, Summit Ave. $200,000. McKenzie, Voorhees & Gmelin, 342 Madison Ave., New York City, engrs. and archts.

N. J., Jersey City — WAREHOUSE — Natl. Grocery Co., 480 Montgomery St., soon takes bids 5 story, rein.-con., brick and steel, plain foundation, Mercer St. $500,000. S. W. Sailer, 76 Montgomery St., engr. and archt. Noted Dec. 8, 1924.

N. J., Newark—OFFICE—Union Building Co., 15 Union Bldg., M. Rachlin, pres., having plans prepared by G. E. Jones, Union Bldg., 12 story, brick, steel and stone, plain foundation, Academy St. $1,000,000.

N. J., Newark—STORE and OFFICE—F. Bergamo, c/o N. Harris, archt., Chamber of Commerce Bldg., having plans prepared 2 story, 22 x 60 x 78 ft., brick, steel and stone, plain foundation, Market and Washington Sts. $200,000.

Pa., Kittanning — LODGE — Knights of Columbus having preliminary plans prepared by H. C. Clepper, Vandergrift Bldg., Pittsburgh, 3 story and basement, 50 x 100 ft., brick and concrete lodge, incl. swimming pool, etc., Market St. $150,000.

Pa., Manoa (Phila. P. O.)—THEATRE and STORE—W. G. Boyd, 21 Eagle Rd., plans 1 story and basement, 100 x 250 ft. theatre and arcade store, Eagle Rd. and West Chester Pike. Engineer and architect not selected.

Pa., Milton—Y. M. C. A. having plans prepared by G. S. Idell, 1705 Chestnut St., Phila., 4 story and basement, 65 x 160 ft., brick and steel, Bway. and Bound St. $250,000.

Pa., Phila.—SALES and SERVICE—J. Greenberg, Widener Bldg., having plans prepared by P. S. Tyre, 114 South 15th St., 78 x 235 x 295 ft., rein.-con. and brick, plain foundation, Ridge Ave., Broad, Melon and Patts Sts.

Pa., Phila.—THEATRE—W. L. Chase, archt., 149 South 4th St., preparing plans 1½ story and basement, 60 x 180 ft., rein.-con., brick and steel, plain foundation, 60th and Lansdowne Sts. $150,000. Owner's name withheld.

Md., Baltimore—APARTMENT—I. Silberstein, 402 St. Paul St., having plans prepared by E. H. C. Browne, 402 St. Paul St., 3 story and basement, 100x105 ft., brick, plain foundation, Park Ave. and Whitelock St. $150,000.

Md., Baltimore — APARTMENT — One Hundred University Parkway Apartment Corp., W. G. Nolting, pres., Keyser Bldg., had plans prepared by Wyatt & Nolting, Keyser Bldg., 9 story and basement, rein.-con., brick and steel, plain foundation, University Parkway and Canterbury Rd. $1,000,000.

Md., Baltimore—TEMPLE—Scottish Rite Masons, c/o W. B. Price, Maryland Trust Bldg., plans stone and steel, Charles and 39th Sts. $1,000,000. Engineer and architect not selected.

Md., Baltimore—WAREHOUSE—J. W. Crook Stores Co., 415 Guilford Ave., plans 4 story warehouse, Calverton and Pennsylvania R.R. tracks. $350,000. Engineer and architect not selected.

Fla., Miami Beach — CLUB — Carl G. Fisher Organization, c/o Schultze & Weaver, archts., 17 East 49th St., New York City, N. Y., had plans prepared Argonaut Club, on La Gorce Island, North Miami Beach, here. $1,500,000.

Fla., Sarasota — APARTMENT — R. H. Payne having plans prepared 7 story apartment. $600,000. D. J. Baum, Sarasota, engr.

La., New Orleans—EXCHANGE—Cumberland Telephone & Telegraph Co. having plans prepared by Moyre, Alger & Alger, New Orleans, for addition, Baronne and Poydras Sts. $750,000.

O., Barberton—LODGE HOME—Odd Fellows Lodge takes bids in spring 3 story and basement, concrete, brick and steel, Tuscarawas and 5th Sts. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — L. Duchon, 515 Ulmer Bldg., having preliminary plans prepared by W. S. Ferguson Co., 1900 Euclid Ave., and takes bids in spring 5 story and basement, 102 x 104 ft., concrete, brick and steel, East 101st St. and Euclid Ave. $400,000.

O., Cleveland—COMMERCIAL and FACTORY—The 6115 Carnegie Co., c/o I. O. Weissblatt, secy.-treas., c/o Carnegie Body & Auto Top Co., 6115 Carnegie Ave., having preliminary plans prepared by N. Petti, Williamson Bldg., 3 story and basement, brick, steel and concrete, 6115 Carnegie Ave. $175,000.

O., Cleveland — HOSPITAL — St. Lukes Hospital, J. R. Mills chn. building comn., Rockefeller Bldg., having plans prepared by Hubbell & Benes, 4500 Euclid Ave., 5 story and basement, 317 x 414 ft., brick, steel and tile, East 116th St. and Shaker Blvd. $2,000,000.

O., Cleveland—TEMPLE—B. P. O. E., c/o W. J. Pierits, 7016 Euclid Ave., chn. building com., having sketches made by M. C. Rousseau, Bulkley Bldg., 5 story and basement, concrete, brick and steel temple. $600,000.

O., Dayton—STORE—Rudolph Wurlitzer Co., 4th St., Cincinnati, C. J. Morgan, mgr., plans 6 story, 50 x 64 ft., rein.-con. and brick, Ludlow St., here. $400,000. Engineer and architect not selected.

Ind., Indianapolis — APARTMENT and GARAGE — E. M. Schofield, State Life Bldg., having plans prepared by W. A. Lensky, 1244 North Illinois St., 10 story and basement, brick, steel and rein.-con., 28th Meridian St. $600,000.

Ind., New Castle—HOTEL—A. Ayers and others plan hotel. $250,000.

Mich., Grand Rapids—OFFICE—Grand Rapids Trust Co., Monroe St., 12 story and basement, 88 x 89 ft., and 44 x 75 ft. rein.-con., brick and steel, plain foundation, to Owen-Ames-Kimball, Pearl St., $755,000. Noted Oct. 1.

Ill., Chicago — APARTMENT — Cornelia Building Corp., 310 South Michigan Ave., T. D. Collins, pres., having plans prepared

Buildings—Commercial (Continued)

by R. S. DeGoyler & Co., 307 North Michigan Ave., 16 story, 100 x 150 ft., rein.-con. and steel, Sheridan Rd. and Cornelia Ave. $2,000,000.

Ill., Chicago—JAIL and COURT BUILDING—Cook Co. having plans prepared by F. E. Hall of Hall, Lawrence, Rippel & Radcliffe, 123 West Madison St., rein.-con., brick and steel jail and criminal court buildings, South California Ave. and West 26th St. $4,500,000. Noted Sept. 10.

Ill., Chicago—HOTEL—H. Olson, City Hall, having sketches made by J. Nyden, 194 North State St., 6 story and basement, 90x170 ft., rein.-con., brick and steel, 3933 Sarendon Ave. $400,000.

Ill., Chicago — TEMPLE — Ravenswood Masonic Lodges, c/o A. P. Allen, archt., 225 North Michigan Ave., and takes bids about Jan. 1, 2 and 4 story, 70x144 ft., rein.-con. and brick, Wilson Ave. and North Paulina St. Moore & Neeley, 219 East Superior St., engrs.

Ill., Chicago — STORE and OFFICE — Estate of Marshall Field, 230 South Clark St., F. W. Boyden, agt., 25 East Washington St., having sketches made by Graham, Anderson, Probst & White, 80 East Jackson Blvd., 21 story and 2 basements, 120 x 162½ ft., rein.-con., brick, steel and terra cotta, Wabash Ave. and Washington St. $4,000,000.

Wis., Kenosha — CLUB HOUSE and BUSINESS—Kenosha Lodge 286, L. O. O. M., 406 Market Sq., having plans prepared by Lindl & Schutte, 82 Wisconsin St., Milwaukee, 3 story and basement, 84 x 132 ft., brick, stone and concrete, plain foundation, Market St. $250,000. Noted Nov. 12.

Wis., Madison — DORMITORY — Badger Building Serv., 445 Milwaukee St., Milwaukee, having revised plans prepared by Peacock & Frank, 445 Milwaukee St., Milwaukee, 4 story and basement, 110 x 155 ft. (over all), brick and concrete, plain foundation, Gilman and Butler Sts. $250,000. Noted Nov. 26.

Wis., Milwaukee—APARTMENT—Goodsitt & Helfaer, 4609 North Ave., having plans prepared by J. Topzant, 144 Oneida St., (2 units) each 3 story and basement, 43 x 161 ft., brick and tile, plain foundation, 24th and Sycamore Sts. $300,000. Noted Nov. 26.

Wis., Milwaukee — GARAGE — Packard Motor Car Co., 35th St. and Grand Ave., having revised plans prepared by Brust & Philipp, 405 Bway., 1 story, 72 x 200 ft., brick and concrete addition, plain foundation, Grand Ave. $150,000.

Wis., Milwaukee—HOTEL and STORE—J. T. Ellison, 528 Summit Ave., having plans prepared by H. L. Kuehnel, 4625 Woodlawn St., 8 or 10 story and basement, 90 x 135 ft., brick and concrete, plain foundation, Grand Ave. and 11th St. $500,000.

Wis., Milwaukee — OFFICE — Metropolitan Investment Co., 290 3rd St., having plans prepared by E. V. Koch, 1153 Sherman Blvd., 5 story and basement, 87 x 200 ft., brick and steel, wood pile and plain foundation, 3rd St. $300,000.

Wis., Milwaukee — STORE and APARTMENT — S. Buchbinder, 611 Summit Ave., having plans prepared by C. W. Valentine, 445 Milwaukee St., 6 story and basement, 90 x 112 ft., brick and concrete, plain foundation. Jefferson St. $200,000.

Wis., Rhinelander — HOTEL — C. E. Blodgett, prop. Hotel Blodgett, Marshfield, having preliminary plans prepared by G. A. Krasin, Central Ave., Marshfield, 5 story and basement, brick, tile and concrete, plain foundation, here. $200,000. Noted Nov. 12.

Minn., St. Paul—GARAGE and SALES—L. W. Jordan Co., 4th St. and College Ave., having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., 2 story and basement, 140 x 170 ft., rein.-con. and brick, Main Ave. and 4th Sts. at Seven Corners. $150,000.

Ia., Mason City—Y. M. C. A., C. H. McNider, chn., soon takes bids 1 to 4 story, 128x151 ft., concrete and tile, incl. gymnasium, swimming pool, etc., North Pennsylvania and 1st Sts. $200,000. Tyrie & Chapman, 2344 Nicollet Ave., Minneapolis, Minn., archts. Noted Sept. 3.

Neb., Omaha — LODGE — Odd Fellows Lodge, 1402 Dodge St., takes bids after Jan. 1, 4 story and basement, 64 x 80 ft., rein.-con. and brick, 19th and Dodge Sts.; 3,500 cu.yd. excav. for above, to Thompson Co., 408 Securities Bldg., $0.735 per cu.yd. W. E. Stockham, Sunderland Bldg., archt. Noted Oct. 22.

Neb., Omaha — OFFICE — Metropolitan Utilities Dist., City Hall, having plans prepared by G. B. Prinz, 1037 Omaha Natl. Bank Bldg., 4 story and basement, 66 x 136 ft., brick, stone, concrete and steel, 18th and Harney Sts., for Water & Gas Depts. $300,000. Noted Nov. 26.

Neb., Omaha — WAREHOUSE and GARAGE—Metropolitan Utilities Dist., City Hall, having plans prepared by J. Latensen & Sons, 732 Peters Trust Bldg., 3 story and basement, 138 x 170 ft., rein.-con. and brick warehouse and garage, 20th and Center Sts., for Water & Gas Depts. $225,000.

Mo., Clayton — APARTMENT — Davis Realty Co., 1101 Locust St., St. Louis, having preliminary plans prepared by Maritz & Young, Chemical Bldg., St. Louis, 3 and 4 story, stucco and tile, West Clayton Davis Pl. $150,000.

Mo., Moberly — THEATRE — G. W. Sparks, having preliminary plans prepared by Boller Bros., 114 West 10th St., Kansas City, rebuilding 2 story and basement, rein.-con., brick, stone and terra cotta, recently destroyed by fire. $150,000.

Tex., Beaumont—THEATRE—E. Web, archt., Whitney Bldg., New Orleans, La., takes bids about Jan. 1, 80 x 160 ft., rein.-con., brick, steel and terra cotta, 2,500 seating capacity, here, for Jefferson Amusement Co. $750,000. Noted July 16.

Tex., Cotulla—BANK—Stockmen's Natl. Bank, c/o C. F. Binkley, vice-pres., plans 4 story and basement, rein.-con., brick and stone, Center and Front Sts. $150,000-$200,000. Engineer and architect not selected.

Tex., Dallas—STORE and HOTEL—L. L. Fechenbach, 2635 South Blvd., having plans prepared by J. L. Bothwell, 1203 Athletic Bldg., 2 story, 150 x 221 ft., rein.-con., brick and stone, Beckley and Jefferson Sts. $150,000.

Tex., Levelland—COURTHOUSE—Hockley Co., c/o Judge, plans election soon $200,000 bonds, new courthouse. Engineer and architect not announced.

Tex., San Antonio—APARTMENT—H. C. Thorman, 125 East Travis St., having preliminary plans prepared by Phelps & DeWees, Gunter Bldg., 10 story, concrete, brick and stone apartment. $500,000.

Tex., Wichita Falls — OFFICE, etc. — W. F. Parish, having plans prepared by Sanguinett, Staats, Hedrick & Pate, 1st Natl. Bank Bldg., Ft. Worth, 7 story and basement, 100 x 150 ft., brick, stone and rein.-con., with 47 x 96 ft. garage in rear, 8th and Lamar Sts. $450,000-$500,000.

Wash., Seattle—COURT HOUSE—King Co. having plans prepared by J. E. Mullane, 5305 8th St., N. E., 4 story top addition to County-City Bldg., $750,000.

Wash., Seattle—HOTEL—V. W. Voorhees, archt., Eitel Bldg., preparing plans and takes bids about Dec. 17, 10 story hotel, 7th and Stewart Sts., for Vance Lumber Co., Stuart Bldg. $250,000.

Calif., Bakersfield—BANK and OFFICE—Security Trust Co., having plans prepared by H. H. Winner Co., 55 New Montgomery St., San Francisco, 6 story and basement, steel and concrete, 20th St. and Chester Ave. $500,000.

Calif., Berkeley—APARTMENT—T. W. Corder, Inc., c/o J. W. Plachek, archt., Mercantile Bank Bldg., had plans prepared 3 story and basement, rein.-con. addition, Shattuck Ave. near Durant Ave. $200,000.

Calif., Berkeley — OFFICE — Miller & Pflueger, archts., Lick Bldg., preparing preliminary plans 2 story, on block bounded by Shattuck, Stanford, University and Addison Aves. $250,000. Owner's name withheld.

Calif., Burbank — THEATRE — West Coast Jr. Theatres, Film Exch. Bldg., Los Angeles, plan theatre, here. $150,000.

Calif., Hawthorne — THEATRE — J. J. Frauenfelder, archt., Story Bldg., soon takes bids 1 story, 150 x 150 ft., brick, Hawthorne Circle, for W. McNeal, c/o architect.

Calif., Los Angeles — APARTMENT — Ardmore Corp. having plans prepared by Engstrum Co., 1564-A-North Western Ave., 5 story and basement, 80 x 140 ft., brick or concrete, South Ardmore Ave.

Calif., Los Angeles—APARTMENTS—H. Feigenbaum, 6226 Afton Pl., plans two 4 story and basement, 60 x 125 ft., brick and steel apartments, one on Snitch Tract and other on Catalina St.

Calif., Los Angeles — GARAGE, STORE and APARTMENT — Hernendez & Cupit, c/o Vickers-Dingwell Co., designers, Hillstreet Bldg., having plans prepared 2 story, 160 x 160 ft., concrete, Van Ness and Washington Sts. $160,000.

Calif., Los Angeles — HOSPITAL — Orthopedic Hospital, South Hope St. near West Adams St., having plans prepared by L. A. Parker, Kerckhoff Bldg., 1 story, 95 x 100 ft., rein.-con. addition.

Calif., Los Angeles—HOTEL—Rockwell Co., c/o S. H. Dunford, archt., Lincoln Bldg., having plans prepared 8 story and basement, with 4 story wings, rein.-con., Sunset Blvd. and Olive Dr. To exceed $1,500,000.

Calif., Los Angeles — HOTEL — E. K. Ginsberg, 3043 West 8th St., had plans prepared by M. M. Friedman, 404 Detwiler Bldg., 5 story and basement, 96 x 150 ft., timber, 3043 West 8th St. $290,000.

Calif., Los Angeles—STORE and LOFT — L. Conrad, c/o J. M. Cooper, archt., Marsh-Strong Bldg., having plans prepared 12 story and basement, 50 x 150 ft., rein.-con., 8th and Santee Sts. $275,000 or more.

Calif., Los Angeles — THEATRE and STORE — L. A. Smith, archt., West Coast Theatres Bldg., soon takes bids rein.-con., approximately 2,000 seating capacity, Wilshire Blvd., for West Coast Theatres, Inc., West Coast Theatres Bldg. $200,000.

Calif., Los Angeles—THEATRE, STORE and OFFICE—Advance Properties Co., c/o Austin Co., archts., 777 East Washington St., having preliminary plans prepared 2 story and basement, 100 x 150 ft., probably rein.-con., Wilshire Blvd.

Calif., Oakland—HOTEL—L. H. Ford, archt., 306 14th St., prepared plans 6 story and basement, brick, steel and terra cotta, near Colt Hotel. $150,000. Owner's name withheld.

Calif., Oceanpark (Santa Monica P. O.)—CLUB—B. P. O. E. having plans prepared by Russell Co., Story Bldg., Los Angeles, 5 story and basement, rein.-con. To exceed $200,000.

Calif., Pasadena—HOTEL—C. V. Perry, c/o McNeal Swasey, archt., Hibernian Bldg., Los Angeles, having plans prepared 7 story and basement, 100 x 175 ft., Mentor Ave. $500,000.

Calif., San Bernardino — COURTHOUSE — Santa Barbara Co. defeated $980,000 bonds for courthouse.

Calif., San Fernando—BANK, OFFICE and APARTMENT—Bank of San Fernando having preliminary plans prepared by Walker & Eisen, Great Republic Bldg., Los Angeles, 4 story and basement, 100 x 100 ft., rein.-con., Porter Ave. and Brand Blvd.

Calif., San Francisco — AMUSEMENT CENTER — Syndicate, c/o L. T. Samuels, 55 Montgomery St. plans theatre, iceskating rink, bowling alleys, dance hall, etc., Mission and 16th Sts. $1,000,000 or more.

Calif., San Francisco — STORE and OFFICE — J. Jerome, 321 Bush St., having plans prepared by D. A. Riedy, Pacific Bldg., 5 story and basement, Bush St. $150,000.

BIDS DESIRED

Mass., Boston — APARTMENT — Six Commonwealth Ave. Trust, c/o C. F. Springall, archt., 50 Concord St., Malden, taking bids 6 story and basement, 30 x 95 ft., brick and stone apartment. $150,000.

Mass., Cambridge (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Conn., Hartford—APARTMENT—S. I. Ward, 750 Main St., taking bids 3 story, 35 x 132 ft., brick and steel, Farmington Ave. $225,000. Berenson & Moses, 30 Allyn St., archts. Noted Nov. 19.

Conn., Waterbury—APARTMENT—See "Contracts Awarded."

N. Y., Brooklyn — HOTEL — See "Contracts Awarded."

N. Y., New York—APARTMENTS—See "Contracts Awarded."

Pa., Pittsburgh — APARTMENT and GARAGE — D. A. Crone, archt., Oliver Ave., taking bids 3 story and basement, 132 x 168 ft., brick and hollow tile, Bellefield Center and Dithridge St., for Garden Court Co., c/o architect. $350,000.

O., Cleveland—COMMERCIAL and APARTMENT—S. Z. Talisman, 11415 Kins-

Buildings—Commercial (Continued)

man Rd., taking bids 3 story and basement, 40x200 ft., brick, and steel, Kinsman Rd. $150,000. H. L. Porter & R. McNally, 3030 Euclid Ave., archts.

Ind., Gary—CLUB—Knights of Columbus taking bids 11 story and basement, 125 x 175 ft., brick, steel and rein.-con., concrete pile foundation, 5th St. $750,000. Porter & McNally, 3030 Euclid Ave., Cleveland, O., archts. Noted Mar. 5.

Ill., Chicago—STORE and APARTMENT—S. Olson, 701 Belmont Ave., taking bids 5 story, 50 x 120 ft., brick, Belmont Ave. near Halstead St. $200,000. P. F. Olson, 720 Cass St., archt.

Minn., Hopkins — POOR HOUSE — Dec. 14, by G. H. Mallon, chn. Bd. Comrs, Hennepin Co., Court House, 3 story and basement, rein.-con., brick, stone and slate poor house, incl. laundry and equipment. $220,000. Colburn & Forsell, 210 South 9th St., Minneapolis, archts.

Kan., Oberlin—COURT HOUSE—Dec. 8 (extended date), by Decatur Co., c/o G. McMullen, clk., 2 story and balcony, 70 x 100 ft., rein.-con., brick, stone and terra cotta court house. $150,000. Squires & Ross, 630 Kansas Ave., Topeka, archts. Noted Nov. 26.

Mont., Bozeman—WOMENS—See "Contracts Awarded."

Mo., Clayton — STORE, OFFICE and APARTMENT—See "Contracts Awarded."

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

Tex., San Antonio—THEATRE—San Antonio Amusement Co., c/o W. J. Lytle, Princess Theatre Bldg., and Famous Players-Lasky Corp., 485 5th Ave., New York City, N. Y., taking bids Texas Theatre, 5 story and basement, rein.-con., brick, stone and steel. $1,500,000. Boller Bros., 114 West 10th St., Kansas City, Mo., engrs. and archts. Noted Aug. 20.

Wash., Seattle—THEATRE—F. Peters, archt., Pantages Bldg., taking bids 6 story, 3 mezzanine floors and basement, 108 x 210 ft., rein.-con., brick and terra cotta, 5th and West Lake Sts., for Orpheum Theatre Co., 2nd and Virginia Sts. $1,500,000.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—CLUB—P. R. Williams, archt., Stock Exch. Bldg., taking bids 4 story and basement, 100 x 100 ft., rein.-con., 28th and Paloma Sts., for Y. M. C. A.

BIDS RECEIVED

Calif., San Bernardino—COURTHOUSE—San Bernardino Co., rein.-con. courthouse, from Cresmer Mfg. Co., Riverside, $327,500.

Calif., San Jose—BANK and OFFICE—Bank of Italy, Powell and Market Sts., San Francisco, 12 story and basement, rein.-con., 1st and Santa Clara Sts., from McDonald & Kahn, 130 Montgomery St., $740,749. Noted Nov. 27.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.) — APARTMENT — H. Harlow, archt., 4 Brattle St., will build 4 story and basement, 4,500 sq.ft. floor space, brick and stone, 32 Shepherd St., for Harlow Realty Co. Work will be done by separate contracts. $150,000. Noted Sept. 17.

Mass., Tyngsboro — ACADEMY — Notre Dame Academy, W. O'Connell, cardinal, Boston, 4 story and basement, 175 x 315 ft., brick, steel and stone, to M. D. Mealey Co., 114 Chestnut St., Brookline. Noted Oct. 22.

R. I., Newport—COURTHOUSE—Courthouse Comn., Newport Co., at office M. Levy, secy., new brick and steel, Court and Wall Sts., to Carey Quarry & Constr. Co., 56 North Main St., Fall River, Mass., $213,990.

R. I., Woonsocket — CONVENT — St. Anns Roman Catholic Church. W. Hickey, pastor, 2 story and basement, brick, Elm St., to Enterprise Building Co., 382 Coe St. Archts. est. $150,000. Noted Sept. 24.

Conn., Waterbury—APARTMENT—W. H. Hurley, 25 Spencer Ave., will build 4 story and basement, 70 x 76 ft., brick and steel, Willow St. and Hillside Ave. $150,000. Work will be done by separate contracts. H. T. Butler, 45 Center St., archt. Noted Nov. 19.

N. Y., Brooklyn — HOTEL — Ainsworth Constr. Co., c/o A. J. Simberg, engr. and archt., 1133 Bway., will build 4 story, 76 x 107 ft., brick, steel and stone, plain foundation, 4th Ave. and 84th St. $200,000. Work will be done by separate contracts under owner's supervision.

N. Y., New York — APARTMENT — Bessler Realty Corp., c/o Margon & Glasner, engrs. and archts., 27 West 57th St., will build 6 story, brick, stone and steel, plain foundation, DeKalb Ave. and 213th St., by separate contracts under supervision of architects. $250,000.

N. Y., New York—APARTMENT—Dacey Const. Co., c/o H. Hurwitz, archt. and engr., 41 West 33rd St., will build 6 story, 75x100 ft., brick, steel and stone, plain foundation, Washington Ave. and 181st St., by day labor. $170,000.

N. Y., New York—APARTMENT—Gun Hill Constr. Co., c/o C. Kreymborg & Son, engrs. and archts., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, Gun Hill Rd., by day labor. $200,000.

N. Y., New York — APARTMENTS — Keilreif Building Corp., c/o C. Kreymborg & Son, engrs. and archts., 2534 Marion Ave., will build two 6 story, brick, steel and stone, plain foundations, Woodycrest Ave., by day labor. $160,000 each.

N. Y., New York — CLUB HOUSE — Phi Gamma Delta Club, 44 West 44th St., 9 story, 50 x 100 ft., brick, steel and stone, plain foundation, West 56th St., to Skinner & Cook, 280 Madison Ave. Archts. est. $350,000. Noted Nov. 5.

N. Y., New York—GARAGE—Motor Inn, Inc., R. T. Lipscombe, Jr., 250 Park Ave., 15 story, rein.-con., brick and steel, plain foundation, West 39th St., to Turner Constr. Co.; 244 Madison Ave. Archts. est. $2,000,000. Noted Nov. 19.

N. Y., New York—HOTEL—A. Brisbane, 238 William St., 15 story, 54th St. and 6th Ave., to D. P. Robinson, Inc., 125 East 46th St. Archts. est. $1,500,000. Noted Oct. 8.

N. Y., New York — LOFT — Shroder & Koppel (owner and contractor), 347 Madison Ave., will build 23 story, 100 x 100 ft., brick, steel and stone, plain foundation, 37th St. and 6th Ave. Separate contracts will be awarded. Private plans.

N. J., Camden—OFFICE—L. Rothschild, archt., 215 South Broad St., Phila., Pa., 12 story and basement, 42 x 140 ft., rein.-con., brick and steel, wood pile foundation, Bway. and Cooper St., here, to Roberts & Roller, 1904 Sansom St., Phila., Pa., for Wilson Building Corp., 336 Market St. Archts. est. $800,000. Noted Oct. 22.

N. J., Trenton—GARAGE—W. A. Weinmann, 484 West State St., 2 story, 40 x 100 ft. garage, to Karno-Smith Co., Broad St. Bank, $50,000.

Pa., Llanerch—OFFICE—Bell Telephone Co. of Pennsylvania, 17th and Arch Sts., Phila., 2 story and basement, 75 x 75 ft., rein.-con., brick and steel, plain foundation, Harwood Ave. at West Chester Pike, here, to F. M. Harris, 1520 Parrish St., Phila.

Pa., Phila.—HOTEL—Continental Hotel Co., 25 West 43rd St., New York City, 20 story, brick, stone and steel, plain foundation, 17th and Locust Sts., to Barras Constr. Co., 366 Madison Ave., New York City. Archts. est. $8,000,000.

N. C., Reidsville—CITY HALL—City, general contract new city hall, to Burns Constr. Co., Greensboro, $143,370.

Fla., Tampa—WAREHOUSE—Lee Terminal Warehouse Corp., 427 West Erie St., Chicago, Ill., rein.-con., here, to Logan Bros., Citizens Bank Bldg., approximately $1,000,000.

Tenn., Knoxville—HOME ECONOMICS—T. D. Morris, secy. and treas. University of Tennessee, 3 story and basement, 73 x 200 ft., rein.-con., brick and steel, on campus, to A. H. Whisman, 220 West Clinch St. Archts. est. $187,000. Noted Oct. 22.

Ind., Indianapolis—APARTMENT—T. B. McGee, State Life Bldg., 2 story and basement, 125 x 160 ft., brick, steel and rein.-con., concrete pile foundation, East 10th St., to Foster Eng. Co., Pythian Bldg. $150,000 cost plus basis.

Ind., Indianapolis—ARMORY—Indiana Natl. Guard, 4 story and basement, 102 x 195 ft., brick, steel and rein.-con., concrete pile foundation, Pennsylvania St., to Ostrom Realty Co., Peoples Bank, $362,000. Noted July 2.

Ind., Richmond — THEATRE — Quaker City Realty Co., 2 story and basement, 65 x 165 ft., brick, steel and rein.-con., concrete pile foundation, 9th St., to L. Colvin, Continental Bank. Archts. est. $275,000.

Ill., Aurora—CLUB—Zimmerman, Saxe & Zimmerman, archts., 212 East Superior St., general contract 4 story, 70 x 165 ft. rein.-con., brick and steel club, to W. A. Floyd, Minneapolis, Minn., for Aurora Elks Building Assn. Archts. est. $250,000. Noted Oct. 29.

Ill., Chicago—APARTMENT—N. Dohert & C. Massion, 175 West Washington St. masonry and carpentry contract 5 story 50x135 ft., brick, 5728 Winthrop Ave., to Johnson & Anderson, 7120 Evans Ave. Archts. est. $350,000. Noted Nov. 5.

Ill., Chicago—APARTMENT—Koeingsberg & Weisfeld, archts., 155 North Clark St., 3 story and basement, 126 x 148 ft. rein.-con., brick and steel, 4509-12 Malden Ave., masonry, to J. Erickson & Sons Co. 1424 Elmdale Ave., structural steel, to A. F. Anderson Iron Wks., 5844 Loomis St. carpentry, to Chell & Anderson, 11 South La Salle St., plumbing and heating, to Noble & Thumm, 1065 Addison St., for S. Clifford, 111 West Washington St. Archts. est. $425,000. Noted Nov. 12.

Ill., Chicago—HOSPITAL—E. O. Pridmore, archt., 38 South Dearborn St., carpentry and concrete work for 3 story, 60 x 125 ft., rein.-con., brick and terra cotta addition, Wisconsin St. and Hudson Ave., to R. Sollitt & Sons Constr. Co., 5 North La Salle St.

Ill., Chicago—HOTEL—L. Guenzel, engr. and archt., 879 North State St., general contract 17 story and basement, 80 x 100 ft., granite, brick and steel, Cass St. and Delaware Pl., to McLennan Constr. Co., 307 North Michigan Ave., for Eitel-Decker Corp., Chicago & Northwestern Ry. Depot, Canal and Madison Sts. Noted July 30.

Ill., Danville—HOTEL—Danville Hotel Co., general contract 9 story and basement, 115½ x 150 ft., rein.-con. and steel hotel, to C. Benson, Chicago, masonry and concrete, to Yaeger & Sons, Danville. Archts. est. $1,185,000.

Ill., Rock Island—BUSINESS—Servus Rubber Co., 401 Central Trust Bldg., general contract 3 story and basement, rein.-con. and brick business building, to M. A. Floyd Co., 430 Oak Grove St., Minneapolis, Minn., $163,221.

Mont., Bozeman—WOMENS—State Bd. Examiners, L. Dennis, clk., Helena, will build 3 story and basement, rein.-con. and brick, at State College of Agriculture and Mechanic Arts, by day labor. Former bids rejected. Noted Nov. 19.

Mo., Clayton — STORE, OFFICE and APARTMENT—H. H. Hawke & N. B. Comfort, Inc., 30 South Central Ave., will build 3 story and basement, 90 x 200 ft., brick, concrete and stucco, Meramec Ave., by day labor. $200,000. D. H. Mullen, Jr., St. Louis County Bank Bldg., engr.

Mo., Kansas City — GARAGE and OFFICE—Congress Garage Co., c/o R. Gornell, archt., 3619 Bway., 5 and 6 story, rein.-con. and brick, to H. Stiver, 402 Shukert Bldg. Archts. est. $500,000.

Mo., St. Louis—APARTMENT—W. H. Smith & N. Cunliff Co., 117 North 7th St., will build 10 story and basement, 46 x 120 ft., rein.-con., brick, stone and steel, 3438 Russell Blvd., by day labor. $500,000. Private plans.

Mo., St. Louis—GARAGE—Reid Bros. Express Co., 6113 Bertha Ave., general contract 2 story and basement, 168 x 194 ft., rein.-con. and brick, 890-910 Hodiamont Ave., to S. A. Wier, 6023 Etzel St. Archts. est. $150,000. This corrects report in Nov. 26 issue.

Mo., St. Louis — WAREHOUSE — Missouri-Illinois Realty Co., 822 Clark Ave., 2 story and basement, 182 x 285 ft., rein.-con. and brick, Spring and Chouteau Aves., to Fruin Colnon Constr. Co., Laclede Merchants Bldg.

Tex., San Angelo—HOTEL—McBurnett Hotel Co., 7 story, 85 x 90 ft., rein.-con., brick and stone addition to St. Angelus Hotel, to J. H. Reddick, Fort Smith, Ark., $86,750. Noted Sept. 17.

Okla., Oklahoma City—OFFICE—D. R. Cummings, Colcord Bldg., 3 story and basement, 75 x 140 ft., rein.-con., brick and stone, to C. E. Huffman, Oklahoma City. Archts. est. $250,000.

Colo., Denver—THEATRE—H. E. Huffman, 1050 East Colfax Ave., 6 story and basement, 71 x 160 ft., rein.-con., brick,

Buildings—Commercial (Continued)

and terra cotta, Coltax Ave. and Race St., to F. J. Kirchof Constr. Co., 700 Lawrence St., $300,000.

Wash., Walla Walla—HOSPITAL—Constructing Walla Walla General Hospital, to Colonial Building Co., Walla Walla. $200,000.

Calif., Berkeley — OFFICE — Berkeley Terminal Properties, Inc., c/o Miller & Pflueger, archts., Lick Bldg., San Francisco, 2 story, probably rein.-con., Shattuck and University Aves., to Lindgren-Swinerton, Inc., Standard Oil Bldg., San Francisco, approximately $250,000.

Calif., Glendale—CLUB—Y. M. C. A., 4 story and basement, 83 x 135 ft., timber and rein.-con., Louise St. between Bway. and Wilson Ave., to H. W. Baum Co., Central Bldg., Los Angeles, $207,550. Noted Nov. 19.

Calif., Long Beach — STORE and OFFICE — Medico-Dental Building Co., 8 story, 50 x 150 ft., rein.-con., 8th St. and Pine Ave., to Standley, Wilkie & Newton, Markwell Bldg., approximately $350,000.

Calif., Los Angeles—APARTMENT—T. Walker, Guaranty Bldg., will build 3 story and basement, brick, Sunset Blvd. near Lucile Ave., by day labor.

Calif., Los Angeles—APARTMENT—B. Blackburn, 2620 LaSalle St., 4 story and basement, 67 x 145 ft., rein.-con., Wilcox Ave., to Whiting, Baynton & Potts, Central Bldg., $175,000.

Calif., Los Angeles — APARTMENT — H. N. Dickarman, c/o R. D. King, designer, Van Nuys Bldg., will build 5 story and basement, 80 x 135 ft., rein.-con., Beverly Blvd. and Berendo St., by day labor under supervision of designer.

Calif., Los Angeles — APARTMENT — Hollywood Income Properties, Inc., 3 story, 80 x 200 ft., brick, Wilcox Ave., to A. Bard & Co., Union Oil Bldg., approximately $175,000.

Calif., Los Angeles — HOSPITAL — Franciscan Sisters, 1223 Santee St., general contract, 7 story, rein.-con. and steel, Waterloo St. and Bellevue Ave., to Kubach Co., Merchants Natl. Bank Bldg., approximately $300,000. Noted Nov. 5.

Calif., Los Angeles—THEATRE, STORE and LOFT—E. L. Doheny, et al., 100 x 100 ft. theatre, 80 ft. high, and 2 story, 44 x 100 ft. store and loft, brick, steel and rein.-con., 11th and Hill Sts., to P. J. Walker Co., Garland Bldg., cost plus basis. Archts. est. $1,000,000. Noted Oct. 8.

Calif., Monterey—THEATRE—Monterey Theatre Co., rein.-con. and steel, 1,500 seating capacity, to W. P. Sweeney, 200 Central Ave., Pacific Grove, $155,000.

Calif., Oakland—OFFICE—M. R. Monze, Inc., Alameda Co. Title Bldg., 8 story and basement, Franklin St. between 15th and 17th Sts., to McWethy & Greenleaf, 2910 Telegraph Ave., $300,000.

H. T., Honolulu — HOTEL — Royal Hawaiian Hotel, c/o Matson Navigation Co., Matson Bldg., San Francisco, 5 story, rein.-con., here, to Lindgre-Swinerton, 225 Bush St., San Francisco, approximately $2,000,000. Noted May 21.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Waltham—SCHOOL—Bd. Educ., having plans prepared by Hutchins & French, 11 Beacon St., Boston, 3 story and basement, brick and steel, Parmeneter St. $250,000.

Conn., Hartford—SCHOOL—City, E. W. Cotter Barnard Dist. Com., having plans prepared by J. E. Marchetti, 721 Main St., brick, steel and stone, North Main St. $500,000. Noted Oct. 1.

Conn., Storrs — DORMITORY — State Agricultural College rejected bids Nov. 16, 3 story and basement, 40 x 190 ft., brick and steel dormitory. Plans being revised and original bidders will submit new figures at once by D. K. Perry, 17 Court St., New Britain, archt. $160,000. Noted Nov. 12.

Conn., West Hartford (br. Hartford) — SCHOOL, etc.—Kingston School, G. R. H. Nicholson, master, having preliminary plans prepared by E. S. Dodge, 15 Exchange St., Boston, school, incl. gymnasium, science, master's house, and library. To exceed $150,000.

Conn., West Hartford (Hartford P. O.)—SCHOOL—Town, c/o W. Hart, School Bd., Town Hall, having plans prepared by R. F. Barker, 43 Farmington Ave., Hartford, 2 story and basement, brick and steel, Fern St. $150,000. Noted Oct. 2.

N. J., Linden — HIGH SCHOOL — Bd. Educ. plans Junior High School. $700,000. Engineer and architect not selected. G. McGillvrey, mayor.

La., Boyce—SCHOOLS—Rapides Parish School Bd. (Alexandria) election Dec. 16, $225,000 bonds high school for Ward 7, and for school for negroes, here.

La., Monroe—HIGH SCHOOL—Abbeville Parish School Bd. having plans prepared by J. W. Smith, Monroe, 2 story, brick high school. $200,000.

O., Kent — LIBRARY — Trustees Kent Normal College takes bids about Feb. 24, 3 story and basement, 75 x 125 ft., brick and limestone, on campus. $250,000. Ronan & Ingleson, 1614½ North High St., Columbus, archts. Noted July 16.

O., Pleasant Grove (Youngstown P. O.) —SCHOOL—City of Youngstown plans 12 room school, here. $250,000.

O., Spencerville—SCHOOL—Bd. Educ., C. A. Argenbright, clk., having plans prepared by Hulsken & Strong, Domestic Bldg., Lima, 2 story and basement, concrete, brick and terra cotta centralized school. $150,000.

Ind., Bloomington—SCHOOL—School Bd. having plans prepared by A. Grindle, Bloomington, 2 story, brick, steel and rein.-con., concrete pile foundation. $150,000.

Ind., Evansville—HIGH SCHOOL—Bd. Educ. making preliminary plans prepared by C. L. Troutman, Amer. Trust Bldg., 2 story and basement addition to Reitz High School. $160,000.

Ind., Indianapolis—SUNDAY SCHOOL—Tabernacle Presbyterian Church, J. A. Dunkel, pastor, having plans prepared by J. W. C. Corbusier, archt., Keith Bldg., Cleveland, O., and R. F. Daggett, associated archt., Continental Bank Bldg., Sunday school, 34th St. and Central Ave. $200,000.

Mich., Detroit — ENGINEERING — University of Detroit, East Jefferson Ave., having plans prepared by Malcolmson & Higginbotham, 1217 Griswold St., 2 and 3 story and basement, 140 x 217 ft., rein.-con., brick and steel, plain foundation, Livernois Ave.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway., having revised plans prepared by Malcolmson & Higginbotham, 1217 Griswold St., 2 story and basement, rein.-con., brick and steel, wood pile foundation, McGraw Ave. $800,000. Noted Nov. 12.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., E. B. Elliott, pres., plans to expend $21,000,000 during 1926 for new schools.

Ia., Iowa City—SCHOOL—Bd. Educ., A. J. Hertz, secy., plans 3 story and basement, rein.-con., brick and stone school. $250,000. Engineer and architect not announced.

Minn., St. Paul—SCHOOL—Dept. Educ., L. R. S. Ferguson, comr., City Hall, having plans prepared by F. X. Tewes, city archt., 3 story and basement, rein.-con., brick and stone, Cambridge St. and Grand Ave. $250,000.

Mo., Joplin—SCHOOLS—Voted $750,000 bonds for schools. Noted July 30.

Mo., Mexico—SCHOOLS—Voted $300,000 bonds, for high school, and additions and repairs to other schools. Noted Nov. 5.

Mo., Parkville—GIRLS DORMITORY—Park College, c/o F. W. Hawley, pres., making preliminary plans 3 story, brick and concrete dormitory, etc. $500,000.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., takes bids about Feb. 1, Lowell Grade School, 3 story, rein.-con., brick and stone, Linton and Von Phul Sts. $225,000-$250,000. R. M. Milligan, c/o owner, archt. and engr. Noted Aug. 13.

Tex., Amarillo—SCHOOL—Bd. Educ., c/o W. A. McIntosh, supt., plans rein.-con., brick and stone, 21st and Hughes Sts. $200,000. Engineer and architect not selected.

Tex., Dallas — ADMINISTRATION — Southwestern Bell Telephone Co., Bway. and Locust St., St. Louis, Mo., having preliminary plans prepared 10 story and basement, rein.-con., brick, stone and steel, here. Private plans. $1,000,000.

Tex., Vernon—CHURCH—First Baptist Congregational Church, having revised plans prepared by G. A. Carlander, 15 Massie Bldg., Amarillo, 71 x 110 ft. church, and 70 x 86 ft. addition, brick, stone, steel and rein.-con. $150,000. Former bids rejected. R. M. Fielder, secy. bldg. com. Noted Sept. 17.

Ariz., Yuma—SCHOOL—Bd. Educ. plans election $150,000 bonds for school. Engineer and architect not selected.

Calif., Arcadia — SCHOOL — Plans election $150,000 or more bonds, two grade schools for Arcadia School Dist. Allison & Allison, Hibernian Bldg., Los Angeles, archts.

Calif., Los Angeles — HIGH SCHOOL — Bd. Educ. soon takes bids brick and rein.-con. Junior High School addition, mechanical shops, etc. $200,000. Kistner & Co., Detwiler Bldg., archt.

Calif., Los Gatos—COLLEGE—Sacred Heart Novitiate, c/o S. O'Brien, archt., 742 Market St., San Francisco, having plans prepared 4 story, rein.-con. building. $250,000.

Calif., Oakland—DORMITORIES—Mills College, having sketches made by W. H. Ratcliff, Jr., Mercantile Bank Bldg., Berkeley, two 2 story, rein.-con., on campus. $300,000.

Calif., Oakland — SCHOOL — City had plans prepared by Miller & Warnecke, 1404 Franklin St., 2 story and basement, brick and hollow tile, East 17th St. and 22nd Ave. $225,000.

Calif., Oakland—SCHOOL—City had preliminary plans prepared by Williams & Wastell, Amer. Bank Bldg., McChesney School, 2 story, fireproof. $150,000.

Calif., Oakland — SCHOOL — City, had plans prepared by W. Mooser, 532 16th St., Prescott School 2 story, concrete. $150,000.

Calif., San Francisco — MEN'S SHELTER, etc. — Roman Catholic Archbishop of San Francisco, 1100 Franklin St., having plans prepared by S. O'Brien, 742 Market St., 2 story and basement, rein.-con. hotel and industrial home, Natoma St. $150,000.

Calif., Ventura — HIGH SCHOOL — Ventura High School Dist., having plans prepared by Austin & Ashley, archts., Chamber of Commerce Bldg., Los Angeles, rein.-con. school. $250,000. Noted Nov. 26.

B. C., Vancouver — SCHOOLS — Bd. School Trustees, 3 Hamilton St., plans three 3 story, rein.-con. and brick, plain foundations. $300,000. F. A. A. Barrs, Hamilton St., archt.

Ont., Toronto—CHURCH—Central Baptist Church, 17 Oaklands Ave., having plans prepared by J. F. Brown, 2 Bloor St. E., 1 and 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000.

BIDS DESIRED

Mass., Belmont (br. Boston) — HIGH SCHOOL — Dec. 4, by Town, J. H. Oakes chn. bldg. com., Junior High School, 2 story and basement, 62 x 222 ft., brick and steel, Oakley Rd. and Washington St. $200,000.

Mass., Jamaica Plain (Boston P. O.)—SCHOOL—Church of the Blessed Sacrament, A. T. Connelly, pastor, taking bids 2 story and basement, brick, Centre St. $150,000. C. R. Greco, 11 Beacon St., Boston, archt. Noted Oct. 29.

Conn., Stamford—SCHOOL—Dec. 10, by School Com., additions and alterations to Woodland Ave. School. Butler & Provost, 292 Main St., archt.

Pa., Johnstown—HIGH SCHOOL—Jan. 11, by J. D. Rutledge, pres. Bd. Directors School Dist., 601 Swank Bldg., Garfield Junior High School, 3 story and basement, 240 x 300 ft., brick and steel. $800,000. E. Adams, Nemo Bldg., archt.

Pa., Pittsburgh—SCHOOL—Dec. 15, by Bd. Educ., Fulton Bldg., 2 story and basement, irregular, brick and hollow tile training school, Boquet, 5th and Thackeray Sts. $800,000. Ingham & Boyd, Farmers Bank Bldg., archts.

Tenn., Memphis—SCHOOL—Dec. 14, by City, Snowden School, 3 story, 12 room, brick and stone addition, North Parkway. $150,000. Jones & Furbringer, Porter Bldg., archts.

O., Cleveland — CHURCH — Shaw-Hobbs Evangelical Church, J. L. Shaw, pastor, 4406 Muriel Ave., taking bids 1 story and basement, 100x150 ft., concrete, brick and steel, Henninger Rd. $200,000. D. Farnum & R. E. Lawrence, The Arcade, archts.

O., Cleveland—SCHOOL—Dec. 7, by Bd. Educ., F. G. Hogen, dir., 2 story and basement, 72 x 170 ft., concrete, brick and steel addition, Harvard Ave. $200,000. G. M. Hopkinson, Sixth-St. Clair Bldg., archt.

O., Mayfield (mail South Euclid) — SCHOOLS—Dec. 10, by Bd. Educ. Mayfield School Dist., L. Hunscher, clk., 2 story, 5

Buildings—Educational, Religious (Cont.)

class room and gymnasium addition to high school, Oakville Rd. grade school, 12 rooms and gymnasium, and Gates Mill-Riverside Grade School, 4 rooms and auditorium, all rein.-con., brick and steel. $340,000. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts.

O., Springfield—CHURCH—Dec. 19, by Covenant Presbyterian Church, Main and Fisher Sts., 1 story church, 1,000,000 cu.ft. floor space. Hall & Lethly, 211 North Limestone Bldg., archts.

Tex., San Antonio — HIGH SCHOOL — Dec. 16, by School Bd., Junior High School, 1 and 2 story, brick and concrete, Yorkshire and Berkshire Sts. $200,000. Phelps & De Wees, Gunter Bldg. and Russell Bldg. archts. A. B. and R. M. Ayres, Bedell Bldg., associated archts. Noted Nov. 12.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. taking bids John C. Fremont High School, 2 story, 100 x 263 ft. science building and 1 and 2 story, 60 x 179 ft. shop, brick, 7676 San Pedro St. $200,000. E. Bergstrom, Citizens Natl. Bank Bldg., archt. Noted Nov. 26.

BIDS RECEIVED

Pa., Allentown — HIGH SCHOOL — Jacoby & Everitt, archts., Commonwealth Bldg., 3 story and basement, 136 x 182 ft., rein.-con. and brick, plain foundation, 22nd and Turner Sts., from Butz & Clader, Airy Bldg., for Bd. Educ. $288,388. Noted Nov. 12.

Md., Baltimore—SCHOOL—Bd. Awards, 2 story, 64 x 138 ft., rein.-con. and brick, plain foundation, 5th St. and Claremont Ave., from Price Constr. Co., Maryland Trust Bldg., for Mayor and City Council. $164,000. Noted Nov. 10.

Wash., Seattle—SCHOOL—F. A. Naramore, archt., Central Bldg., Nov. 14, 3 story, 188 x 290 ft., brick and terra cotta, Georgetown St., from West Coast Constr. Co., Seaboard Bldg., for Seattle School Bd. Dist. 1, Central Bldg., $443,411.

CONTRACTS AWARDED

Conn., Middletown — LIBRARY and LABORATORY — Wesleyan College J. H. McConaughty, pres., 3 story, 40 x 165 ft. library, and 2 story, 35 x 125 ft. laboratory, both brick, steel and limestone, plain foundation, to Tracy Bros., 52 Benedict St., Waterbury. Archts. est. $350,000. Former contract rescinded. Noted Oct. 22.

Md., Baltimore—CONVENT—Sisters of Visitation, c/o F. Baldwin, archt., 324 North Charles St., 3 story and basement, 130x150 ft., brick and stone, Roland Ave. and Poplar Hill Rd., to Frainie Bros. & Haigley, 19 West Franklin St., $175,000.

D. C., Wash. — ART GALLERY — Corcoran Art Gallery, 17th and New York Aves., brick, steel and stone addition, plain foundation, to J. Baird Co., 810 18th St. Archts. est. $500,000.

O., Youngstown—HIGH SCHOOLS—Bd. Educ., two 3 story and basement, fireproof schools, one on Idlewood St., and other Fosterville St., to Hawkins-Downey Co., 144 West Wood St., $246,583 and $258,717 respectively. Noted Oct. 22.

Ind., Indianapolis — CHURCH — Broadway Methodist Episcopal Church, 29th St. and Bway., 2 story and basement, 140 x 170 ft., brick, steel and rein.-con., concrete pile foundation, 29th St., to A. V. Stackhouse, Fletcher Trust Bldg. Archts. est. $500,000. Noted Nov. 26.

Ind., Indianapolis—NURSES HOME—St. Vincents Hospital, Fall Creek Blvd. and Capital Ave., 5 story and basement, 111 x 130 ft., brick, steel and rein.-con., concrete pile foundation, North Illinois St., to Karstedt Constr. Co., 429 Lemcke St. Archts. est. $350,000. Noted July 16.

Ind., Jasper — SCHOOL — St. Josephs Church, 2 story and basement, 130 x 160 ft., brick, steel and rein.-con., concrete pile foundation, to A. W. Berger, Jasper. Archts. est. $170,000.

Ind., Richmond—RECITATION—Earlham College, general contract Lindly Hall, 3 story and basement, 58 x 160 ft., brick, steel and rein.-con., to Longenecker Constr. Co., Greenville, O., $259,000.

Wis., De Pere — ABBEY — Norbertine Fathers, (1st unit) 3 story and basement, 43 x 80 ft., rein.-con., brick and stone, plain foundation, here, to B. Beauregard, 4th St. Archts. est. $150,000. Noted Sept. 10.

Neb., Omaha — SCHOOL — School Bd., general contract Belvedere School, 2 story and basement, 37th and Curtiss Sts., to Vrana Bros., Omaha Builders Exch. Bldg., $93,218. Noted Nov. 26.

Tex., Coleman — HIGH SCHOOL — Bd. Educ., c/o B. F. Robey, secy., 2 story and sub-basement, 75 x 150 ft., brick and stone, to Hood & Demmon, Brownwood, $87,422. Noted Sept. 10.

Calif., Los Angeles — HIGH SCHOOL — Bd. Educ., 2 story, 95 x 160 ft., brick domestic science building and 3 story, 121 x 161 ft., rein.-con. science building, general contract, to R. H. Whinery, Grosse Bldg., $201,550. Noted Oct. 27.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., 2 story and basement, brick, concrete and steel, Rosedale Heights Dr., masonry, to R. Chalkey & Son, 260 Avenue Rd.; carpentry to J. W. Hudson & Co., 6 Algonquin Ave., and structural steel, to Desher Constr. Co., 80 Commissioner St. Archts. total est. $150,000. Noted Nov. 12.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Dock—Spec. 5169—Bureau Yards & Docks, Navy Dept., plans creosoted timber fender piles and superstructure for dock, Naval Air Station, Anacostia, here. L. E. Gregory, ch. of Bureau.

Ill., Great Lakes (br. Waukegan) — Ash Handling System — Spec. 5164 — Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids ash handling system, for Naval Training Station, here. Will re-advertise. Noted Nov. 19.

C. Z., Panama—Pipe Masts—Spec. 5145—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 2 guyed steel pipe masts, for Naval Radio Station, Cape Mala, here.

T. H., Pearl Harbor—Administration—Spec. 5149—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extending administration building at Naval Base, here.

BIDS DESIRED

Conn., New London—Post Office—Dec. 7, by Treas. Dept. at office Supervising Architect, Treas. Dept., Wash., D. C., remodeling and extending post office, here.

D. C., Wash. — Barges — Dec. 21, by Inland Waterways Corp., 1016 Munitions Bldg., 10 steel barges, 2,000 ton capacity, for Mississippi River Service; adv. E. N.-R. Dec. 3.

D. C., Wash. — Cable, etc. — Dec. 12, by A. L. Flint, genl. purch. officer Panama Canal, for cable, wire, bushings, steel, etc.

Va., Norfolk — Dredging Pipe — Dec. 19, by U. S. Engineer Office, dredging pipe for U. S. Dredge "Currituck"; adv. E. N.-R. Dec. 3.

Miss., Vicksburg—Hull—Jan. 2, by U. S. Engineer Office, steel maneuver boat hull; adv. E. N.-R. Dec. 3.

Ky., Louisville — Beartrap Leaves — Dec. 28, by U. S. Engineer, P. O. Box 72, beartrap leaves for Dams 45 and 49, Ohio River; adv. E. N.-R. Dec. 3.

Ky., Louisville—Metal Work—Dec. 21, by U. S. Engineer Office, metal work for Navigable Pass, Dam 52, Ohio River.

Calif., Los Angeles—Post Office, etc.—Dec. 23, by Treas. Dept., Wash., D. C., at office Supervising Architect, remodeling post office, court house, and custom house, here; adv. E. N.-R., Dec. 3.

BIDS RECEIVED

D. C., Wash.—Boiler Plant—Spec. 5152—Bureau Yards & Docks, Navy Dept., Wash., D. C., boiler plant at Naval Hospital, from Concrete Oil Tank Co., 519 Mills Bldg., $24,669. Noted Nov. 12.

D. C., Wash.—Library—D. Lynn, archt. of Capitol, at Congressional Library, Nov. 30, constructing bookstack, from Snead & Co., foot of Pine St., Jersey City, N. J., (1) $725,000 (2) $15,500 (3) $1,017 (4) $8,662 (5) $4.85 (6) $0.44 (7) $16 (8) $1 (9) $0.90 (10) $1.10 (11) $11 (12) $11 (13) $11 (14) $10 (15) $10 (16) $10 (17) $2 (18) $2.50 (19) $3. Noted Nov. 26.

W. Va., Alderson—Reformatory—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing buildings for Federal Industrial Institution for Women, here, from Virginia Eng. Co., Newport News, Va., (1) $535,535 (2) $51,631 (3) $101,600 (4) $153,300 (5) $26,485; mechanical equipment, (1) $247,787 (2) $14,670 (3) $27,490 (4) $40,770 (5) $10,000 (6) $5,900 and (7) $14,800. Noted Oct. 29.

La., Shreveport — Remodeling — Treas. Dept. at office Supervising Architect, Wash., D. C., Nov. 24, extending and remodeling post office, here, from W. D. Lovell, 1415 Southeast St., Minneapolis, Minn., $19,310. screen changes $4,940. Noted Oct. 29.

Utah, Salt Lake City — Post Office — Treas. Dept., at office Supervising Architect, Wash., D. C., Nov. 23, mezzanine floor, etc., at post office and courthouse, here, from H. W. Baum Co., Walker Bank Bldg., $5,140. Noted Nov. 5.

Wash., Puget Sound—Storehouse—Spec. 5106—Bureau Yards & Docks, Navy Dept., Wash., D. C., storehouse, Naval Ammunition Dept., here, from W. A. Parker, foot 2nd St., Bremerton (1x) $29,506 (2xa) $1,683 (2xb) $3,342 (3xa) $4,850 and (3xb) $3,342. Noted Nov. 5.

CONTRACTS AWARDED

N. Y., Oswego—Quarters—J. V. Ingram, constructing quartermaster, Fort Ontario, rejected bids converting 3 stone buildings into officers quarters at Fort Ontario, here. Work to be done by purchase and hire system.

N. J., Oceanport—Quarters—Office Constructing Quartermaster, Fort Monmouth, quarters, here, to B. W. Covert, 133 Bergen Pl., Red Bank, N. J., $17,949. Noted Sept. 3.

W. Va., Fairmont — Addition — Treas. Dept., at office Supervising Architect, Wash., D. C., 1 story, 14 x 30 ft. mailing vestibule, etc., at post office, here, to J. T. Dotts, 116 Russell St., $3,575. Noted Oct. 29.

Wash., Puget Sound — Storehouse — Spec. 5106—Bureau Yards & Docks, Navy Dept., Wash., D. C., storehouse, Naval Ammunition Depot, here, to W. A. Parker, foot 2nd St., Bremerton, $32,848 (180 days). Noted Nov. 5.

Calif., San Diego—Barge—Spec. 5153—Bureau Yards & Docks, Navy Dept., Wash., D. C., pile driver barge, at Naval Operating and Destroyer Base, here, to I. M. Johnson, 3835 California St., $7,992 (180 days).

Calif., San Diego—Dredging—Spec. 5171—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at marine railway, here, to San Francisco Bridge Co., 14 Montgomery St., San Francisco, approximately $8,000 (60 days).

Calif., San Diego—Paving—Spec. 5162—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending parade grounds at Naval Operating Base, here, to Gilmore Oil Co., 691 Hancock St., $5,011 (90 days). Noted Nov. 19.

Calif., San Francisco — Dredging — U. S. Engineer, Custom House, Wash., D. C., dredging in Sacramento River, here, to Longview Dredging & Constr. Co., Longview, Wash., $686,400.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

654—White River Power Co., Little Rock, Ark. — Wants preliminary permit power development in Baxter, Marion, Boone, Izard, Stone and Independence Counties; also in White River, North Fork and Buffalo Fork of White River.

655—Penn Pub. Serv. Corp., 14 Wood St., Pittsburgh, Pa.—Wants license for transmission line crossing Allegheny Natl. Forest, Elk Co., Pa. extending from Clarion River Power Co. to line of Keystone Power Corp.

656—Ozarks Hydro-Electric Power Co., Little Rock, Ark. — Wants preliminary permit power development in White River and Big North Fork of White River, in Baxter, Boone, Marion and Fulton Counties.

657—Northern Light, Heat & Power Co., Milwaukee, Wis.—Wants license transmission line crossing tribal lands in Forest and Marinette Counties.

658—Pacific Power & Light Co., Gasco Bldg., Portland, Ore.—Wants license for transmission line in Benton Co., Washington.

659—J. J. Williams, O. M. Heard, W. E. Grubbs, P. F. Fitzgibbons and J. A. Ward, Cordele, Ga. — Want preliminary permit 3,840 hp. primary capacity and 14,000 hp. installed capacity power development in Flint River, in Worth, Lee, Crisp and Sumter Counties.

660—F. T. Colter, in behalf of State of Arizona, Phoenix, Ariz. — Wants preliminary permit power development in Colorado River, at Glen Canyon and Bridge Canyon dam sites, in Coconino and Mohave Counties.

661 — Bd. Directors State Institutions, Phoenix, Ariz.—Wants preliminary permit power development at Bridge Canyon dam site in Colorado River, Mohave Co.

662—Best Fume & Power Co., Pinedale, Wyoming — Wants license power development in Pine Creek, Sublette Co., for supplying power to town of Pinedale.

663—Porto Rico Railway, Light & Power Co., San Juan, Porto Rico—Wants preliminary permit power development in Blanco, Hicaco, Cubuy, Sabana and Prieto

Federal Government Work (Continued)

Creeks, crossing Laquillo Natl. Forest, in municipality of Naguabo.

664—West Coast Iron & Steel Co., 115 Bway., New York, N. Y. — Wants preliminary permit power development on Mellon Lake and Reynolds Creek, at head of Hetta Harbor, Hetta Inlet, Alaska.

665—Utah Power & Light Co., Kearns Bldg., Salt Lake City, Utah—Wants license constructing project in Santaquin Creek, crossing Uintah Natl. Forest, Utah Co.

666 — T. M. Park, 948 Post St., San Francisco, Calif. — Wants preliminary permit diverting 3,000 sec.-ft. water from Klamath River, without use of dam or other obstruction, and returning water to river further down street, 5 mi. east of Happy Camp, Siskiyou Co.

667—J. A. Parker, Charlotte, N. C.—Wants preliminary permit for dams and power houses, near Jones Lock, Narrow Gap and Norrington Dam, in Cape Fear River, Hartnett and Cumberland Counties.

668 — Southern California Edison Co., Edison Bldg., Los Angeles, Calif.—Wants preliminary permit concrete dam, 168 ft. high, across Colorado River, in Mohave Canyon, about 2½ mi. below Topock, Mohave Co., Ariz. and affecting lands in San Bernardino Co., Calif. and Clark Co., Nev.

669 — H. V. Gates, The Dalles, Ore. — Wants license 704 hp. installed capacity power development in Crooked River, Jefferson Co.

Unclassified

PROPOSED WORK

Memorial — New Haven, Conn. — Yale University having plans prepared by J. W. Cross, memorial entrance to Yale Bowl, Chapel St. S. B. Thorne, Yale 1896, chn. com. to supervise financing of same.

Boardwalk — Asbury Park, N. J. — City Comn. plans reconstructing boardwalk from 5th to 8th Aves. $40,000. G. King, city clk. Engineer not selected.

Swimming Pool — Kittanning, Pa. — See "Buildings—Commercial."

Greenhouses — Zelionople, Pa. — See "Buildings—Industrial."

Resort—Danbury, N. C.—Syndicate, c/o M. J. Hulsey, Bayshore Blvd., Tampa, Fla., purchased 3,096 acre site and plans resort, incl. 300 room hotel, golf course, artificial lake, driveways, etc., at Hanging Rock, Stokes Co., near here.

Hydro-Electric Development, etc., Raleigh, N. C.—Carolina Power & Light Co., plans hydro-electric development, incl. dam, about 80 ft. high, across Yadkin River on the Colson place near Norwood. P. A. Tillery, genl. mgr.

Subdivision Development — Wilmington, N. C.—D. R. Foster & Co., plans developing 13½ acres for subdivision work, incl. streets, sidewalk paving, water, sewers, gas mains, etc. $30,000. J. L. Becton, Wilmington, engr.

Stadium — New Orleans, La. — Tulane University, A. B. Dinwiddie, pres., having plans prepared by E. Weil, Whitney Bldg., concrete stadium, 20,000 seating capacity, between Freret and Willow Sts., $300,000.

Grain Elevator—Worthington, O.—Fayette Grain Co. making plans rebuilding 80 x 127 ft. grain elevator, incl. power plant, recently destroyed by fire. $50,000. Private plans.

Telephone Lines, etc.—Rockford, Ill.—Illinois Bell Telephone Co., 214 North Main St., J. H. Corcoran, comn. mgr., plans new construction and improvements, incl. aerial lines, cables, underground conduits, phones, etc., in Highland, Harlem Ave. and West End Divisions. $270,000. Private plans.

Swimming Pool—Mason City, Ia.—See "Buildings—Commercial."

Distribution System, etc.—New Prague, Minn.—See "Buildings—Industrial."

Barges—St. Louis, Mo.—Mississippi Warrior Barge Line Serv. Co., Federal Reserve Bank Bldg., c/o J. P. Higgins, dist. mgr., plans to purchase twenty 2,000 ton capacity barges.

Gas Mains, etc. — St. Louis, Mo. — See "Streets and Roads."

Volt Line — Texas — Cameron Water, Power & Light Co., merged with Texas Utilities Co. and plans 32 mi. volt line for light and power, from Cameron to Temple. $100,000.

Land Development—Catarina, Tex.—C. F. C. Ladd Interests, 3215 Olive St., Kansas City, Mo., making surveys developing 100,000 acre tract radiating from here, incl. sewers, waterworks, streets and roads, etc. $6,000,000. Private plans.

Swimming Pool—Childress, Tex.—Chamber of Commerce plans 50 x 105 ft., rein.-con. swimming pool. $60,000. Montgomery & Ward, Wichita Falls, engrs. Noted Aug. 20.

Baseball Park—Ft. Worth, Tex.—U. G. Clarkson, archt., 1st Natl. Bank Bldg., soon takes bids new baseball park, incl. grand stand, 40 ft. high, in rear, rein.-con. and steel, 7,500 seating capacity, for Ft. Worth Baseball Club, c/o W. K. Stripling, pres., 201 Houston St. $125,000.

Gas Pipe Line—Wichita Falls, Tex.—Independent & Major Oil Companies (sponsored by Mid-Continent Oil & Gas Assn., c/o W. M. Priddy), plan 10 in. natural gas pipe line from oil districts of Carson and Hutchinson Counties to here. $4,500,000. Private plans.

Transmission Line—Oklahoma—Town of Coyle making preliminary plans 18 mi. 33,000-volt electric transmission line from Coyle to Ripley. $30,000. Engineer not selected.

Street Lighting System — Long Beach, Calif. — Making plans ornamental street lighting system on Bay Shore Walk. $25,000 or more. H. C. Waughon, city clk.

Rink—San Francisco, Calif.—J. T. Ludlow, engr., 460 Montgomery St., preparing plans, ice skating rink, 48th Ave. Owner's name withheld.

Transformers—Kleinburg, Ont.—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans outdoor type transformer station, with three 125 kva. transformers, here. F. A. Gaby, c/o owner, ch. engr.

BIDS DESIRED

Heating and Ventilating—Boston, Mass.—E. B. Richardson, engr., 220 Devonshire St., taking bids heating and ventilating in home for aged women, Revere St., for Home for Aged Women. $25,000.

Subway—New York, N. Y.—Dec. 8, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., for subway for Sect. 3, Route 102, extending under and along 8th Ave. from West 28th to West 37th St.

Ventilating Buildings — New Jersey — Dec. 15, by New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, two 5 story, brick and concrete ventilating buildings, one in Erie R.R. yard west New Jersey bulkhead line and south of center line of 12th St., Jersey City, and other west of New Jersey pierhead line, on site of new Erie R.R. Pier, incl. completion interiors of New Jersey land and river shafts, Contr. 14, Holland Tunnel. G. R. Dyer, chn. former, and T. Boettger, chn. latter commissions; adv. E. N.-R. Dec. 3.

Vehicular Tunnel—Pittsburgh, Pa.—Dec. 16, by Comrs. Allegheny Co., Court House, vehicular tunnel and approaches on 2nd Ave. between 10th and Forbes Sts. $600,000. County Bureau of Engineering, 519 Smithfield St., engrs.

Washing Plant and Drag Line—Oklahoma City, Okla.—Municipal Excavator Co., 200 East Main St., in market for washing plant for gravel and drag line for sewerage system. Contractors submit types, etc., with bid.

Gas Transmission Line—Oklahoma—See "Contracts Awarded."

Transit Shed — San Pedro, Calif. — Dec. 16, by Harbor Comn., 1017 South Figueroa St., Los Angeles, 120 x 1000 ft., steel and corrugated iron transit shed, 18 ft. high, here.

Subway—Stockton, Calif.—Dec. 14, by City Council, 1,053 ft. subway, 23 ft. roadway, on Miner Ave., 18,990 cu.yd. excav., 101,599 lbs. reinforcing, 10,360 sq.ft. basalt paving slopes, 4,416 sq.ft. sheet asphalt paving, etc. W. B. Hogan, city engr. Noted July 10.

BIDS RECEIVED

Fire Alarm System—New York, N. Y.—T. J. Drennan, fire comr., Municipal Bldg., Nov. 24, portion underground fire alarm system, in Bronx Boro, from W. F. Kenny Co., Inc., 44 East 23rd St., (1) $18,054, and from J. Sugden Co., Inc., 100 5th Ave., (2) $26,208. Noted Nov. 19.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, 49 Lafayette St., Nov. 27, constructing subway, Sect. 2, Route 105, along and under Bway. from Cummings to West 211th Sts., from S. B. Mason, Inc., 7 West 60th St., $3,537 000. Noted Nov. 19.

Foundations, etc.—Phila., Pa.—Comrs. Fairmont Park, City Hall, Nov. 18, foundations, etc., for Museum of Art, Fairmont Park, from A. S. O'Neill, 127 East Mermaid Lane, sandstone (A) $340,000 (B) $225,000; Moosehead granite (A) $435,879 (B) $305,572; Lockport Green granite (A) $376,599 (B) $243,787; Somersound granite (A) $345,569 (B) $294,311. Noted Nov. 12.

Roofing — New Orleans, La. — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Docks — Milwaukee, Wis. — Dept. Pub. Wks., Nov. 25, 2 rein.-con. docks, one at Municipal Storage Yard east of 16th St. viaduct, and other at Kinnickinnic Flushing Station, Chicago Ave., from E. E. Gillen Co., 288 East Water St., $102,432 and $18,326 respectively. Noted Nov. 19.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Pico St. between Vermont Ave. and Crenshaw Blvd., from Los Angeles Electric Wks., 1128 South Los Angeles St., $65,600.

CONTRACTS AWARDED

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing Sect. 7, Route 78, along and under West 174th St. and Fort Washington Ave. from West 174th to West 183rd Sts., to M. Del Balso, 660 East 221st St., $3,382,263. Noted Nov. 26.

Bathing Casino—Bradley Beach, N. J.—Boro. general contract bathing casino, to E. M. Waldron & Co., 84 South 6th St., Newark, $134,000.

Transmission Line, etc.—Staunton, Ill.—See "Waterworks."

Lighting System—Davenport, Ia.—City, electric lighting system, to Donovan Constr. Co., 1101 Builders Exch. Bldg., St. Paul, Minn., $71,077.

Docks—Two Rivers, Minn.—Duluth & Iron Range R.R. Co., Duluth, W. A. Clark, ch. engr., replacing 40 timber pockets on 480 ft. section of dock for forty 4,800 ton steel coal pockets, here, to Amer. Bridge Co., 202 Wolvin Bldg., Duluth. Engrs. est. $110,500.

Gas Transmission Line—Oklahoma—J. B. Nichols, Chickasha, will build 65 mi. 16 in. gas mains from Chickasha gas fields to Oklahoma City, by day labor. $1,000,000.

Pier—Toronto, Ont.—Dept. Pub. Wks., Ottawa, constructing 864 ft. West Pier in East Channel, to Port Arthur Constr. Co., Excelsior Life Bldg., $76,968; dredging at Midland, to Randolph MacDonald Co., Crown Office Bldg., $55,300; dredging at Penetanguishene, Ont., to T. Light, Penetanguishene, $15,536; and pier at Oshawa, to Thunder Bay Constr. Co., Port Arthur, $50,910. Grand total $198,714. Noted Sept. 10.

Materials

BIDS DESIRED

Cement, etc.—Brooklyn, N. Y.—Dec. 9, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, 5,000 bbl. portland cement, 300 tons paving pitch, and 2,000 cu.yd. paving and concrete sand, etc.

Fuel Oil—Perth Amboy, N. J.—Dec. 7, Bd. Alderman, 100,000 gal. fuel oil. L. B. Booz, Jr., Perth Amboy, engr.

CONTRACTS AWARDED

Sand, Paving Blocks, etc. — Brooklyn, N. Y.—J. A. Guider, pres. Brooklyn Boro, Boro Hall, 200,000 gal. asphaltic cement for asphalt and bituminous mixtures in "A" liquid form, to Standard Oil Co., 26 Bway., New York City, $14,200; 2,000 cu.yd. binder stone, to Calvin Tompkins, 30 Church St., New York City, $5,975; 100 tons limestone to Limestone Products Corp., 17 West 42nd St., New York City, $5,190; 2,000 cu.yd. asphalt sand, to South River Sand Co., Old Bridge Rd., Elizabeth, N. J., $3,600; and 3,000 cu.yd. 1½ broken stone, to J. J. Guinan, 2314 Gravesend Ave., $5,400. Grand total $34,365. Noted Nov. 19.

Sand, Paving Blocks, etc. — New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 3,000 cu.yd. asphalt sand, to South River Sand Co., Old Bridge Rd., Elizabeth, N. J., $3,000; 1,000 tons inorganic dust, to Limestone Products Corp., 17 West 42nd St., $5,130; 25,000 special 5 in. granite paving blocks, to Terminal Supply Co., 350 Madison Ave., $3,558; 2,000 cu.yd. ¾ in. binder stone, to Calvin Tompkins Co., 30 Church St., $3,880; and 250,000 gal. asphaltic cement to Warner Quinlan Co., 79 Wall St., $17,250. Grand total $32,818. Noted Nov. 19.

Piling, Loose Rock, etc.—Grand Forks, N. D.—C. J. Evanson, city aud., fifty-six pieces 32 ft., one hundred one of 51 ft. and two hundred eight of 42 ft. piling for dam in Red River of North, to Ireland Lumber Co., Grand Forks; and 6,000 cu.yd. loose rock, 1,500 cu.yd. gravel, etc., to North Star Granite Co., St. Cloud, Minn. Noted Oct. 22.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Note the correction on opening date of bids

Bids: Dec. 8.

Sanitary and Storm Sewers

CONTRACT 9A SEWER DISTRICT 9

West Palm Beach, Fla.

Sealed proposals will be received by the City Commission of the City of West Palm Beach, Florida, up to twelve o'clock noon on Dec. 8, 1925, for furnishing all labor and material for the construction of sanitary and storm water sewers in the North Borough, Sewer District 9, in accordance with the plans and specifications for Contract 9A on file in the office of the City Manager of said city.

Each proposal must be accompanied with a certified, or cashier's check, in the amount of two and one-half per cent (2½%) of the amount of the proposal made payable to the City of West Palm Beach, Florida, as a guarantee that within ten days from notice of awarding of contract, the successful bidder will enter into a written contract with the City, and furnish acceptable bond in the amount of one hundred (100) per cent, of the amount of the proposal conditioned upon the carrying out of said contract. Checks of unsuccessful bidders will be returned. Each proposal must be sealed and addressed to the City Manager of the City of West Palm Beach, Florida, and shall be in the office of the City Manager not later than twelve o'clock noon on the eighth day of December, 1925.

Plans, specifications and blank proposals may be obtained at the office of the City Manager, or at the offices of Fuller & McClintock, 170 Broadway, New York City, and Summit-Cherry Bldg., Toledo, Ohio, upon the payment of a deposit of Twenty Dollars ($20.00), which will be refunded upon the return of the plans and specifications in good condition within thirty (30) days after taking of bids.

The amount of work will be approximately as set forth in the following description of Contract 9A.

PRINCIPAL ITEMS

SANITARY SEWERS WITH PLASTIC JOINTS

169,700	linear feet	8-inch	vitrified	pipe	sewer.
8,200	" "	10-inch	"	"	"
2,200	" "	12-inch	"	"	"
10,100	" "	15-inch	"	"	"
1,700	" "	18-inch	"	"	"
2,200	" "	21-inch	"	"	"

STORM WATER SEWERS WITH CEMENT JOINTS

800	linear feet	12-inch	vitrified	pipe	sewer.
37,900	" "	15-inch	"	"	"
15,100	" "	18-inch	"	"	"
11,500	" "	24-inch	"	"	"
6,000	" "	30-inch	"	"	"
4,300	" "	36-inch	"	"	"

Alternate bids will be received on the 30-inch and 36-inch storm water sewers for segmental tile block and reinforced concrete pipe.

STORM WATER SEWERS OF SEGMENTAL TILE BLOCK OR REINFORCED CONCRETE PIPE

4,100	linear feet	42-inch	sewer
4,800	" "	42-inch	"
4,900	" "	54-inch	"
4,000	" "	60-inch	"

5,500 feet of depth of Manholes.

93,000 linear feet 6-inch vitrified pipe house conections.

The City Commission reserves the right to reject any or all proposals and to award the contract in the best interests of the City of West Palm Beach, Florida.

Signed: C. A. BINGHAM,
City Manager.

Signed: H. J. DAUGHERTY,
City Clerk.
T. B. HENRY,
City Engineer.

OFFICIAL PROPOSALS

Bids: Dec. 21.

Construction of Canal

Birmingham, Ala.

Sealed bids will be received by the Dixie Construction Company at their office, Birmingham, Ala., not later than Twelve o'Clock Noon, December 21st, 1925, for the construction of a canal from a point on the Mobile River, about twenty-five miles above Mobile, at or near Twenty-one Mile Bluff, to the Tensas River, and for a distance of about one-half mile east of the Tensas River, all in the State of Alabama; also for the driving of creosoted wood piles along and adjacent to the above proposed canal; together with the building of concrete foundations for transmission line towers; and the transportation and delivery of transmission line materials along and adjacent to the above proposed canal.

The approximate quantities involved are as follows:

16,600 lineal feet of canal; or 110,650 cu.yd.
11,180 lineal feet of creosoted wood piles; or 266 piles.
1,200 cubic yards of concrete.
3,000 tons of transmission line materials to be transported and distributed, from Mobile, Alabama.

The above quantities are approximate only and the Dixie Construction Company reserves the right to increase or diminish the same as the conditions of the work may require.

Bids may be submitted for each item; one or more items; or one bid covering the entire work.

Bids must be accompanied by a certified check equal to 10% of the total amount bid, payable to the Dixie Construction Company, as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

A bond of not less than 50% of the total cost of the work will be required from an approved Surety Company.

The Dixie Construction Company reserves the right to reject any or all bids.

Detailed plans, specifications and other information may be obtained from the office of the Dixie Construction Company, Alabama Power Company Building, Birmingham, Ala.

DIXIE CONSTRUCTION COMPANY,
By A. C. POLK,
Vice President.

Bids: Dec. 16.

Roads and Bridges

Dover, Del.

Sealed proposals will be received by the State Highway Department, at its office, Dover, Delaware, until 2 o'clock p.m., December 16, 1925, and at that place and time publicly opened for the construction of State and State Aid Highways, involving the following approximate quantities:

CONTRACT 53A
BRIDGE OVER BROADKILL CREEK
SUBSTRUCTURE

430	Cu.Yds. Wet Excavation.
250	Cu.Yds. Dry Excavation.
470	Cu.Yds. Class "A" Concrete.
10,000	Lbs. Steel Reinforcement.
60	Lin.Ft. 15 in. R.C. Pipe.
3,500	Lin.Ft. Timber Piling.
1,200	Lin.Ft. Creosoted Timber Piling.
2,000	Ft. B.M. Sheet Piling.
4,000	Ft. B.M. Fender Timber.
	Lump Sum Temporary Bridge.

CONTRACT CS45
LAUREL-SHARPTOWN 7.93 MILES

9.3	Acres Clearing.
5.9	Acres Grubbing.
26,500	Cu.Yds. Excavation.
12,000	Cu.Yds. Borrow.
12,300	Cu.Yds. Cement Concrete Pavement.

OFFICIAL PROPOSALS

OR 12,300	Cu.Yds. Cement Concrete Pavement (Slag Aggregate).
41,900	Lin.Ft. Longitudinal Metal Joint
480	Cu.Yds. Class "A" Concrete.
20,000	Lbs. Reinforcement.
500	Lin.Ft. 15 in. Corrugated Metal Pipe.
60	Lin.Ft. 15 in. R.C. Pipe.
250	Lin.Ft. 18 in. R.C. Pipe.
110	Lin.Ft. 24 in. R.C. Pipe.
138	Lin.Ft. 30 in. R.C. Pipe.
550	Lin.Ft. Wire Cable Guard Rail.
4,650	Lin.Ft. Wood Shoulder Curb.
1,200	Lin.Ft. Timber Piling.

CONTRACT CS47
MILTON-WAPLES POND 2.4 MILES

0.25	Acres Clearing.
0.25	Acres Grubbing.
9,000	Cu.Yds. Excavation.
300	Cu.Yds. Borrow.
3,800	Cu.Yds. Cement Concrete Pavement.
OR 3,800	Cu.Yds. Cement Concrete Pavement (Slag Aggregate).
13,000	Lin.Ft. Longitudinal Metal Joint.
35	Cu.Yds. Class "A" Concrete.
1,000	Lbs. Reinforcement.
300	Lin.Ft. 15 in. Corrugated Metal Pipe.
60	Lin.Ft. 15 in. R.C. Pipe.
30	Lin.Ft. 18 in. R.C. Pipe.
30	Lin.Ft. 24 in. R.C. Pipe.
800	Lin.Ft. Wood Shoulder Curb.

Performance of contract shall commence within ten (10) days after execution of the contract and be completed on or before December 31, 1926, as specified.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check, or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposal for the Construction of State Highway Contract No. ....."

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Detailed plans may be seen and index plans and specifications may be obtained upon deposit of ten dollars ($10.00) which amount will be refunded upon return of plans and specifications in good condition at the office of

STATE HIGHWAY DEPARTMENT,
Dover, Delaware.

Bids: Dec. 15

Water Works System

FERNDALE WATER DISTRICT

Liberty, N. Y.

Sealed proposal will be received by the Water Commissioners of the Ferndale Water District, up to three o'clock p.m., December 15, 1925, for the furnishing of material and construction of a water works system in such District. Original plans and specifications are now on file and may be seen at the Town Clerk's Office of the Town of Liberty. Copies of specifications will be mailed upon request on and after December 2, 1925. The right to reject any and all bids is reserved.

MAX LEFKOWITZ,
GEORGE H. P. HACKETT,
JOHN G. GRAY,
Commissioners.

WILLIAMS & FOSTER, Attorneys,
Liberty, N. Y.

CONSTRUCTION NEWS

Engineering News-Record, Dec. 10, 1925

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record

WATERWORKS

Dec. 11	New York, N. Y.	Dec. 10
Dec. 11	Long Island City, N. Y.	Dec. 10
Dec. 14	Buffalo, Mo.	Dec. 10
Dec. 14	Lansdowne, Md. Adv. Nov. 26 to Dec. 10.	Nov. 26
Dec. 15	Grand Island, Neb.	Dec. 3
Dec. 15	Staunton, Va. Adv. Dec. 3 and 10.	Dec. 3
Dec. 15	Liberty, N. Y. Adv. Dec. 3 and 10.	Dec. 3
Dec. 16	Clinton, Tenn.	Dec. 10
Dec. 17	Paris, Ark.	Dec. 3
Dec. 17	Tulsa, Okla.	Dec. 3
Dec. 18	Abilene, Tex. Adv. Dec. 10.	Dec. 10
Jan. 12	Toronto, Ont.	Nov. 12
Jan. 21	Auckland, New Zealand	Nov. 26

SEWERS

Dec. 15	Westwood, N. J.	Dec. 10
Dec. 16	Holland, Mich.	Nov. 19
Dec. 16	Clinton, Tenn.	Dec. 10
Dec. 17	Long Island City, N. Y.	Dec. 10
Dec. 18	Abilene, Tex. Adv. Dec. 10.	Dec. 10
Dec. 21	Little Falls, N. J.	Nov. 26

BRIDGES

Dec. 11	Ohio	Dec. 10
Dec. 14	Piedmont, Okla.	Dec. 10
Dec. 15	South Carolina	Nov. 19
Dec. 15	Colorado	Dec. 10
Dec. 17	Boston, Mass.	Dec. 10
Dec. 17	New Orleans, La. Adv. Dec. 10.	Dec. 10
Dec. 17	Rockford, Ill. Adv. Dec. 3 and 10.	Dec. 3
Dec. 21	Oswego, Kan.	Dec. 10
Dec. 22	North Carolina Adv. Dec. 3 and 10.	Nov. 26
Dec. 28	New York, N. Y.	Dec. 10
Jan. 4	Mobile, Ala.	Nov. 19
Jan. 4	Angonia, Kan.	Dec. 10
Jan. 5	St. Louis, Mo.	Dec. 10
Jan. 7	Coffeyville, Kan.	Dec. 10
Jan. 9	Lane, Kan.	Dec. 10

EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR

Dec. 15	Richmond, Ind.	Nov. 26
Dec. 15	Mobile, Ala.	Oct. 22
Dec. 15	Jonesboro, Ark.	Nov. 19
Dec. 15	Trenton, N. J.	Dec. 3
Dec. 16	Danville, Ill.	Dec. 10
Dec. 16	Milwaukee, Wis.	Dec. 10
Dec. 21	Birmingham, Ala.	Dec. 3
Jan. 1	Brownsville, Tex.	Oct. 1
Jan. 5	Illinois Adv. Dec. 10.	Dec. 10
Jan. 6	Shreveport, La.	Dec. 10

STREETS AND ROADS

Dec. 14	Seneca, Kan.	Dec. 3
Dec. 14	Miami, Fla.	Dec. 3
Dec. 14	Charleroi, Pa.	Dec. 10
Dec. 15	Louisiana	Dec. 3
Dec. 15	Tampa, Fla.	Nov. 12
Dec. 15	Colorado	Dec. 10
Dec. 15	Albany, Tex.	Dec. 10
Dec. 15	Wilmington, N. C.	Dec. 3
Dec. 15	Kosciusko, Miss.	Dec. 10
Dec. 15	Massachusetts	Dec. 10
Dec. 16	Caruthersville, Mo.	Dec. 10
Dec. 16	Angleton, Texas	Nov. 19
Dec. 16	Delaware	Dec. 3
Dec. 16	Willman, Minn.	Dec. 3
Dec. 16	Angleton, Tex.	Dec. 3
Dec. 17	Olathe, Kan.	Dec. 3
Dec. 17	Ventura, Fla.	Dec. 3
Dec. 17	Michigan	Dec. 10
Dec. 17	Long Island City, N. Y.	Dec. 10
Dec. 18	New York Adv. Dec. 3 and 10.	Dec. 3
Dec. 18	Galveston, Tex.	Dec. 3
Dec. 18	Michigan	Dec. 10
Dec. 19	Springfield, O.	Dec. 3
Dec. 21	Bradenton, Fla.	Dec. 3
Dec. 21	California	Dec. 3
Dec. 21	Holdrege, Neb.	Dec. 3
Dec. 21	Michigan	Dec. 10
Dec. 21	San Diego, Calif.	Dec. 10
Dec. 22	Santa Cruz, Calif.	Dec. 10
Dec. 22	Louisiana	Dec. 3
Dec. 22	Russell, Kan.	Dec. 3
Dec. 23	Gretna, La.	Nov. 26
Dec. 23	Alabama	Dec. 3
Dec. 23	Alabama	Dec. 10
Dec. 29	Junction City, Kan.	Dec. 3
Dec. 30	Belleville, Kan.	Dec. 3
Jan. 1	Birmingham, Ala.	Dec. 3
Jan. 4	Wellington, Kan.	Dec. 3
Jan. 5	Garden City, Kan.	Dec. 3
Jan. 5	Vicksburg, Miss. Adv. Dec. 3 and 10.	Dec. 3
Jan. 5	Vero Beach, Fla. Adv. Dec. 10.	Dec. 10
Jan. 6	Florida Adv. Dec. 10.	Dec. 10
Jan. 8	Harvard, Kan.	Dec. 10

BUILDINGS—INDUSTRIAL

Dec. 14	Baltimore, Md.	Dec. 3

BUILDINGS—COMMERCIAL

Dec. 14	Hopkins, Minn.	Dec. 3
Dec. 15	St. Louis, Mo.	Dec. 10
Dec. 15	Wash., D. C.	Dec. 10
Dec. 15	San Antonio, Tex.	Dec. 10
Dec. 18	Steelton, Pa. Adv. Dec. 10.	Dec. 10
Dec. 19	Miami Beach, Fla.	Dec. 10
Dec. 21	San Diego, Calif.	Dec. 10
Dec. 22	New Orleans, La.	Dec. 10
Dec. 22	St. Louis, Mo.	Nov. 26
Jan. 1	Chicago, Ill.	Nov. 19
Jan. 4	Pasadena, Calif.	Dec. 10
Jan. 10	Duluth, Minn.	Oct. 29

BUILDINGS—EDUCATIONAL, RELIGIOUS

Dec. 12	Detroit, Mich.	Dec. 10
Dec. 14	Memphis, Tenn.	Dec. 3
Dec. 15	Chicago, Ill.	Nov. 26
Dec. 15	Pittsburgh, Pa.	Dec. 3
Dec. 15	Charlestown, Mass.	Dec. 10
Dec. 16	San Antonio, Tex.	Dec. 3
Dec. 16	Cleveland, O.	Dec. 10
Dec. 17	Overbrook (Phila. P. O.), Pa.	Dec. 10
Dec. 19	Springfield, O.	Dec. 3
Dec. 21	Cincinnati, O.	Dec. 10
Dec. 21	Jackson, Mich.	Dec. 10
Jan. 1	Wash., D. C.	Dec. 10
Jan. 11	Johnstown, Pa.	Dec. 3

FEDERAL GOVERNMENT WORK

Dec. 12	Cable, etc.—Wash., D. C.	Dec. 3
Dec. 12	Pump—New York, N. Y.	Dec. 10
Dec. 16	Bridges—Norfolk, Va.	Nov. 19
Dec. 16	Deck and Roof—Guantanamo, Cuba	Nov. 26
Dec. 16	Fence and Gates—Pearl Harbor, T. H. Adv. Dec. 10.	Dec. 10
Dec. 19	Dredging, etc.—New York, N. Y. Adv. Nov. 19 to Dec. 10.	Nov. 19
Dec. 19	Dredging Pipe—Norfolk, Va.	Dec. 3
Dec. 21	Dredging—Honolulu, T. H.	Oct. 29
Dec. 21	Barges—Wash., D. C.	Dec. 3
Dec. 21	Metal Work—Louisville, Ky. Adv. Dec. 3 and 10.	Dec. 3
Dec. 22	Administration — Atlanta, Ga. Adv. Nov. 26 to Dec. 10.	Nov. 26
Dec. 22	Administration, etc.—Wash., D. C. Adv. Nov. 26 to Dec. 10.	Nov. 26
Dec. 22	Remodeling—Jamestown, N. Y.	Dec. 10
Dec. 23	Post Office, etc.—Los Angeles, Calif.	Dec. 3
Dec. 23	Pipe Line Dredge—Norfolk, Va. Adv. Dec. 10.	Dec. 10
Dec. 28	Beartrap Leaves—Louisville, Ky. Adv. Dec. 3 and 10.	Dec. 3
Dec. 28	Post Office — Lansing, Mich.	Dec. 10
Dec. 28	Remodeling — Savannah, Ga.	Dec. 10
Dec. 29	Extensions — Concord, N. H.	Dec. 10
Dec. 30	Dredging Sleeves — Phila., Pa.	Dec. 10
Jan. 2	Hull—Vicksburg, Miss. Adv. Dec. 3 and 10.	Dec. 3
Jan. 7	Bridge—Wash., D. C. Adv. Nov. 26 to Dec. 10.	Nov. 26
Jan. 18	Hospital Soldiers Home (br. Sawtelle P. O.), Calif.	Nov. 26
Jan. 19	Cruiser, etc.—Wash., D. C.	Nov. 19

UNCLASSIFIED

Dec. 14	Ash Handling Equipment — Detroit, Mich.	Dec. 10
Dec. 14	Platform Extension—Brooklyn, N. Y.	Dec. 10
Dec. 15	Cable—New York, N. Y.	Nov. 19
Dec. 15	Street Lighting — St. Louis, Mo.	Nov. 19
Dec. 15	Boardwalk—Cape May, N. J.	Nov. 26
Dec. 15	Ventilating Building—New Jersey	Dec. 3
Dec. 16	Vehicular Tunnel — Pittsburgh, Pa.	Dec. 3
Dec. 16	Transit Shed—San Pedro, Calif.	Dec. 3
Dec. 17	Borings — New Orleans, La. Adv. Dec. 3 and 10.	Dec. 10
Dec. 17	Bulkhead — New York, N. Y.	Dec. 10
Dec. 18	Special Work—New York, N. Y.	Dec. 10
Dec. 22	Heating, Plumbing, etc. — Chicago, Ill.	Dec. 10
Dec. 23	Generator — Brooklyn, N. Y.	Nov. 26
Jan. 6	Heating System, etc.—Utica, N. Y. Adv. Dec. 10.	Dec. 10
Jan. 6	Sanitary Work—Middletown, N. Y. Adv. Dec. 10.	Dec. 10
Jan. 26	Circuit Breakers, etc.—Wellington, New Zealand	Nov. 26
Feb. 16	Circuit Breakers—Auckland, New Zealand	Dec. 10

MATERIALS

Dec. 15	Sewer Pipe, Paving Blocks, etc.—Minneapolis, Minn.	Dec. 10
Dec. 17	Broken Stone—Long Island City, N. Y.	Dec. 10
Dec. 18	Cement—Missouri	Dec. 10

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Allenhurst — Boro plans 300 gal. pump and motor for pumping station. $5,000. M. D. Pyle, boro clk.

N. J., East Paterson — Boro takes bids about Feb. 15, water distributing system. $200,000. H. J. Harder, 127 Market St., Paterson, N. J., engr. Noted Jan. 20.

N. C., Hendersonville — Plans to issue $200,000 bonds extending waterworks and sewerage systems.

Fla., Crystal River—Voted $48,000 bonds, waterworks.

Miss., Lula—Plans to issue $18,000 bonds, new waterworks. T. C. Crawford, city clk.

Tenn., Kingsport—Election Dec. 12, $300,000 bonds, waterworks.

O., Bedford—See "Sewers."

Mich., Detroit—Bd. Water Comn. plans laying 11,815 ft. 6 in. mains in Murray Hill, Piedmont, Alma, Sioux, Appaline, Fordham, Steel, Ward, Washburn, Gable and Carlisle Aves.; 16,500 ft. 8 in. in Bassett, Lauder, Freud, Manning, Cathedral, Bernard and Horger Aves.; 2,610 ft. 12 in. pipe in Lyndon Ave. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Ill., Decatur — Voted $311,000 bonds, extending waterworks and electric light plant, also constructing city hall and additional firehouses.

Ill., Springfield — Water Dept. making plans approximately 3 mi. 24 in. trunk line

Ill., Chicago—Bids for meters opened Nov. 16 on 3,500 ⅝ x ¾ in. meters with ¾-in. couplings, 4,000 1-in. meters with couplings, 240 1½-in. and 170 2-in. were as follows:

	1x¾ in.	1 in.	1½ in.	2 in.
Thomson Meter Company	$9.67	$20.79	$36.00	$54.00
Hersey Mfg. Company, H.F.	9.67 H.F.	20.79 H.D.	36.00 H.D.	54.00
Pittsburgh Meter Company—Arc	9.67	20.79	36.00	54.00
Neptune Meter Company	9.67	20.79	37.80	56.70
National Meter Company	9.65	18.90	36.00	54.00
Buffalo Meter Company, A.B.	8.77	18.80	36.00	54.00
Badger Meter Company	8.05	16.40	30.10	44.30
Gamon Meter Company	7.25	15.00	29.40	42.15

Waterworks (Continued)

main 8th St. and North Grand Ave. to Walnut and Laurel Sts. $150,000. W. Seelet, city engr.

Wis., Wauwatosa — A. Hebbring, supt. Waterworks Dept., purchased site at 2nd Ave. and Wright St. and plans new pumping station and well on same. To exceed $15,000. J. E. Lowther, City Hall, engr.

Kan., Colby—Making preliminary plans improving waterworks and sewerage systems. $15,000.

Kan., Winchester—Plans election $33,000 bonds, new waterworks. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Neb., Humboldt — Election soon $500,000 bonds, waterworks.

Mo., Crane — Election Dec. 15, $52,000 bonds, waterworks. Russell & Avon, McDaniels Bldg., Springfield, engrs. Noted July 23.

Mo., Sweet Springs — Defeated $65,000 bonds, waterworks and distribution system. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs. Noted Nov. 19.

Ark., Booneville — Making preliminary plans waterworks in new improvement district, $40,000. Engineer not selected.

Tex., Ft. Worth—Voted $3,300,000 bonds waterworks and sewer extensions. O. E. Carr, city mgr. Noted Nov. 12.

Tex., Luling—Texas Central Power Co., A. B. Sawyer, Cuero, dist. mgr., making preliminary plans drilling deep wells or constructing filtration plant, here. $25,000 or more.

Tex., Port Arthur—Cancelled bids which were to be opened Dec. 10, water reservoir. $100,000. J. O. Herpin, Port Arthur, engr. Noted Dec. 3.

Okla., Bartlesville—See "Unclassified."

Okla., Collinsville—Voted $22,300 bonds, repairing pumping plant. Holway Eng. Co., 505 New Wright Bldg., Tulsa, engrs. Noted Sept. 17.

Okla., Marble City—Making preliminary plans new waterworks, incl. well, mains, tank, etc. $30,000. H. T. Mooney, mayor. Engineer not selected.

Calif., Alhambra — Making plans 5 m.g. concrete reservoir and 16 in. meter conduit connecting city, 26 in. diam. deep well, pumping house, etc.; constructing several mi. 4- to 16-in. c.i. mains; and 1 m.g. concrete reservoir connecting city by installation of 1¼ mi. 16 in. riveted steel pipe line. T. B. Downer, ch. engr. Water Dept.

Calif., Ontario — Voted $175,000 bonds, extending and improving waterworks, 10 m.g. reservoir, drilling wells, etc. O. S. Roen, city water supt. Noted Nov. 5.

Calif., Riverside — Voted $258,000 bonds, transmission line to new eservoir, and extending mains in various streets.

Calif., Taft—Western Water Co. plans adequate water supply for Rio Bravo Dist. and West Oil Fields. $250,000.

Calif., Whittier — Made plans 300,000 gal. reservoir and 4- to 8-in. pipe trenches for distributing system, for College Hill Dist. $21,500. M. R. Bowen, city engr.

BIDS DESIRED

N. Y., Long Island City—Dec. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 22nd Dr., 22nd Rd., Barnett and Packard Sts., Hopkins, Middleburg, and Washington Aves., 1st Ward; Catalpa, 43rd and 60th Aves., Van Horn and Vincent Sts., 2nd Ward; 38th Ave., 45th Dr., 150th and 213th Sts., 3rd Ward.

N. Y., New York — Dec. 11, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., 48 in. steel pipe line from Milburn pumping station to 72 in. line, at Baldwin.

Tenn., Clinton—Dec. 16, by C. S. Kincaid, chn. Construction Committee, waterworks system, incl. 45,300 ft. 2- to 8-in. pipe, 5 hydrants, valves, gates, etc. C. Wallace, Empire Bldg., Knoxville, civil and consult. engr. Noted Aug. 27.

Mo., Buffalo—Dec. 14, by E. C. Miller, city clk., 500 ft. well, 24,798 ft. 2- to 8-in. c.i. and 8,238 ft. 2 in. galvanized wrought iron pipe, 11,500 lb. lead, 318 lb. jute, etc. Russell & Axon, McDaniel Bldg., Springfield, engrs. Noted Oct. 15.

Tex., Abilene—Dec. 18, by City Comn., concrete work in connection with water purification plant, also 1,032 tons 6- to 10-in. c.i. pipe and fittings. O. K. Hobbs, city engr.; adv. E. N.-R. Dec. 10.

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Dec. 4, watermains in Andrews, Boyton, Bronx River, Edson, Elder Sts., etc., Bronx Boro, from Riverdale Water Works, 355 East 113th St., $26,722. Noted Nov. 16.

Calif., Newport Beach—For 3 m.g. rein.-con. reservoir, from Stroud Bros. & Seabrook, Vista, approximately $30,000; c.i. watermains, laterals, fire hydrants, gate valves, fittings, etc., from L. R. Weber, Santa Monica, $157,548; wood-stave pipe and fittings, from Pacific Tank & Pipe Co., 4820 Santa Fe Ave., Los Angeles, $61,248.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bedford, Howard, Washington Aves., etc., to Norton & Rigney, 137th St., Jamaica, $12,390. Noted Nov. 19.

Miss., Gulfport—See "Streets and Roads."

Tex., Loraine — Waterworks improvements incl. 50,000 gal. tank on 100 ft. tower, 10 in. drill well, distribution system, etc., to J. B. Winslett, 1001½ Main St., Dallas. $29,500. Engrs. est. $30,000.

Calif., Antioch—City Trustees, earth fill dams, to E. P. Easley, Antioch, $20,775; 15,000 lin.ft. 14 in. riveted steel pipe line, to Western Pipe & Steel Co., 444 Market St., San Francisco, $20,675. Noted Nov. 12.

Calif., Paso Robles—City Council, 3 m.g. concrete Gunite lined reservoir, also 7,000 lin.ft. 10 in. centrifugal c.i., and 3,040 lin. ft. 6 in. McWane pre-caulked c.i. pipe, gate valves, fittings, etc., to J. F. Shephardson, Bakersfield, $16,584 and $21,441 respectively. Noted Nov. 26.

Sewers

PROPOSED WORK

N. C., Hendersonville—See "Waterworks."

Fla., Crystal River—Voted $48,000 bonds, sanitary sewers in various streets.

Fla., Miami—Making plans 6,400 ft. 10- to 36-in. vitr. clay sewers, etc. in Bayshore Dr., 2nd Ave., Flagler, 1st and 2nd Sts., in Bay Shore Dist. C. S. Nichols, Miami, engr.

La., Bunkie—Plans election $110,000 bonds for sewerage system and disposal works. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, consult. engr.

Tenn., Knoxville — See "Streets and Roads."

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids early in 1926, 33 m.g. sewage disposal plant, detritus tanks, trickling filters, humas tanks and sludge drying beds. $3,000,000. J. E. Root, 3rd floor Delaware Bldg., engr.

O., Bedford—R. J. Norris Co., Real Estate, Hanna Bldg., Cleveland, making plans sewers, water mains and sidewalks on Bedford and Warrensville Center Rds. here. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Willoughby — Bd. Comrs. Lake Co. made preliminary plans sewage treatment plant. $250,000. R. F. MacDowell, 1770 East 11th St., Cleveland, engr.

Mich., Detroit—Made plans 1,171 ft. 12- to 18-in. vitr. crock sewer Lateral 4288, 4,643 ft. 12 and 13 in. in Lateral 4515, 1,161 lin.ft. 10- to 18-in. in Lateral 4520, 3,610 lin.ft. 12- to 20-in. in Lateral 4521 and 990 lin.ft. 12- to 18-in. in Lateral 4528. P. A. Fellows, City Hall, engr.

Ia., Pella—A. C. Kuyper, city clk., City Hall, takes bids about Dec. 12, 3,140 ft. 10 in. and 20,684 ft. 8 in. vitr. clay and 300 ft. 8 in. c.i. sewers, etc., in various streets.

Kan., Colby—See "Waterworks."

Mo., Macon—Rejected bids improving sewers in various streets. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engr. Noted Oct. 29.

Mo., Sweet Springs — Defeated $65,000 bonds, sewers in various streets. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs. Noted Nov. 19.

Ark., Searcy—Making preliminary plans extending 3 mi. sewers in Sewer Dist. 5. To exceed $25,000. Engineer not announced.

Tex., Ft. Worth—See "Waterworks."

Tex., Marlin — Voted $38,000 bonds improving sewers and disposal plant. Address G. L. Hutchings, Marlin, secy.

Tex., Wellington—Election Dec. 22, $65,000 bonds, 7 mi. sanitary sewers in all streets. Engineer not announced.

Okla., Bartlesville—See "Unclassified."

Wash., Walla Walla—Making preliminary plans sewage treatment plant. Pearce, Greeley & Hansen Co., 6 North Michigan Ave., Chicago, Ill., engrs.

Calif., Fresno — Made plans concrete sewers, etc., in portions of Inyo, Mono Aves., etc. To exceed $25,000. A. M. Jensen, city engr.

Calif., Livermore—Made plans 2,500 lin. ft. sewer outlet and sewage disposal system. To exceed $25,000. G. A. Posey, Courthouse, Oakland, engr.

Calif., Long Beach—Rejected bids sewer in Esther St. (Pump Dist. 8), 53,155 ft. 8 in. pipe and 16,777 ft. 10- to 18-in. cement pipe, etc. Noted Dec. 3.

Calif., Los Angeles—Made plans Sect. 2 of Arroyo de la Sacatella storm drainage system, 1,059 ft. 10 ft. x 7 ft. 6 in. and 1,493 ft. 9 ft. x 6 ft. 6 in. rein.-con. storm drain, 14,748 ft. 48- to 96-in. concrete storm drain and 44,947 ft. 12- to 69-in. rein.-con. pipe. J. C. Shaw, city engr. Noted Apr. 2.

Calif., Los Angeles — Bd. Pub. Wks. takes bids about Dec. 17, storm drains, sewers, etc., in Prospect, Central, Kester, Woodman and Flora Aves. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Orcutt — Orcutt Sanitary Dist. plans election $31,000 bonds, sewerage system. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engr.

Ont., Forest Hill—Making plans rein.-con. sewage disposal plant. James Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—East York Twp. plans 1,875 ft. 12- to 42-in. sanitary and trunk sewers in Barker, Gledhill, and Cunard Aves. $49,864. G. R. Jack, Sammon Ave. Municipal Yard, engr.

Ont., Toronto — East York Twp. plans vitr. clay sewers in Cunard Ave. $3,604, Dentonio Park Ave. $7,649, Espsom Ave. $8,690, and 925 ft. Gatwick Ave. $8,690. Work involves 2,995 ft. 12 and 15 in. pipe. G. R. Jack, Sammon Ave. Municial Yard, Toronto, engr.

Ont., Toronto—York Twp. making plans 8,500 lin.ft. 8- to 15-in. vitr. clay sewers in Kiele St. and Trowell Ave. $44,260. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto — York Twp. soon takes bids combined trunk and service sewers 1,750 ft. Weston Rd., 1,070 ft. Dennis Ave., 1,400 ft. Guestville Ave., 1,400 ft. Lambton Ave., and 5,275 ft. service sewer in Western Rd., $151,660; 600 ft. service sewer in Arlington Ave. $2,850 and 2,300 ft. Kane Ave. $14,756. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

N. Y., Long Island City—Dec. 17, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer, etc., in Mary St.; sanitary sewers, etc., in 87th Ave., 135th and 136th Sts.

N. J., Westwood — Dec. 15, by Mayor and Boro Council, sewage treatment works. T. F. Bowe, 110 Williams St., New York City, consult. engr.

Tenn., Clinton—Dec. 16, by C. S. Kincaid, chn. Construction Committee, sewerage system, incl. 39,750 ft. 6- to 10-in. pipe, 138 manholes, 11 flush tanks, etc. C. Wallace, Empire Bldg., Knoxville, civil and consult. engr. Noted Aug. 27.

Tex., Abilene—Dec. 18, by City Comn., 36,530 ft. 8- to 24-in. mains and septic tank. O. K. Hobbs, city engr.; adv. E. N.-R. Dec. 10. Noted Nov. 26.

BIDS RECEIVED

N. Y., New York — See "Streets and Roads."

Mich., Detroit — Dept. Pub. Wks., Nov. 30, rein.-con. pump pit, etc., for Lonyo Road Pumping Station, Lonyo Rd. from Cooper Widenmann Constr. Co., 4612 Woodward Ave., $34,850. Noted Sept. 24.

CONTRACTS AWARDED

Mass., Boston—Metropolitan Dist. Comn., 1 Ashburton Pl., about 5,058 lin.ft. 20 and 24 in. Akron pipe sewer in Sect. 79, Mill Brook Valley and branch line in Arlington, to A. Cefalo, 316 Belgrade Ave., Rosindale, $43,265.

Mass., Lynn — Sewerage and pumping equipment incl. two 10,500 g.p.m. and two 21,000 g.p.m. units, to Starkweather & Broadhurst, 79 Milk St., Boston.

Conn., Hamden (br. New Haven) — Sewer Comrs., Town Hall, sewage pumping station at Whitney Ave. and Armory St., to Immick Co., State St., Meriden. Engrs. est. $30,000. Noted Nov. 19.

Conn., New Haven—City, City Hall, storm sewers and appurtenances in Forest Rd.,

Sewers (Continued)

Central, Yale and Alston Aves., Tyron, Fountain and Barnett Sts., to A. W. Bryne, 79 Linnmoore St., Hartford, $8,426, and to Clark-Barone Co., 685 Oak St., $21,979. Engrs: est. $50,000. Noted Nov. 19.

N. Y., Brooklyn — J. A. Guider, boro pres., Boro Hall, **(e. e. means engineers estimate)**, sewers in Linden Ave. and Avenue J, to Tomassatti & Co., 1133 60th St., 74% e. e. $11,699 and 78.78% e. e. $2,700 respectively; in Eastern Parkway and 58th St.; to Gaspare & Ferlanti, 568 18th St. 85% e. e. $6,085 and 73% e. e. $4,701 respectively; in Stillwell Ave. and Fort Hamilton Parkway, to Nazarro & Guerriero, West 9th St., 71% e. e. $2,427 and 71% e. e. $2,050 respectively; in Johnson Ave., to R. Iovino, 75% e. e. $800. Noted Dec. 3.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 47th St., to C. Petracca, 737 Kathleen Court, Brooklyn, $6,411; in 51st St., to Greenough Coppinger, 9301 86th Rd., Woodhaven, $3,743; and in 121st St., to D. A. Gross, 8515 Fulton St., Woodhaven, $5,268. Grand total $17,758. Noted Dec. 3.

Md., Baltimore — Storm water sewers listed in Storm Water Contr. 87, to Catalana & Picora Co., Knickerbocker Bldg., $117,679. Noted Dec. 3.

Mich., Detroit—Dept. Pub. Wks., to Davis & Poupore, Detroit, 2,090 ft. 3½ ft. cylinder and 18 in. crock and 156 ft. 15 in. crock in State Fair Ave. Arm, Gallagher Ave. Sewer in State Fair Ave. $27,064, 1,753 lin.ft. 6 ft. brick and concrete in Gallagher Ave. Arm, Seven Mile Rd. Sewer $33,152, and 2,455 lin.ft. 3- to 4-ft. concrete and brick cylinder in Winchester Ave. Arm, Gallagher Ave. sewer $38,763; to A. Rossi, 5307 Pennsylvania Ave., 2,635 ft. 28 1/6 x 4 ft. egg shaped brick sewer in Lyndon Ave. Arm, Lyndon Ave. $33,996; to R. D. Baker, 1631 Elmhurst Ave., 2,671 ft. 5½- to 3½-ft. cylinder with 4 ft. bell-mouth section, in Six Mile Rd. Sewer Sect. 10, in Six Mile Rd., $57,658; to J. A. Mercier Co., 616 Hammond Bldg., 2,653 ft. 5 ft.- to 2½x3⅔ ft. egg shaped concrete and brick in Houston Ave. Arm, W., Ashland Ave. Sewer, $39,949; to W. Blanck Co., 40 Seven Mile Rd. E., 1,427 ft. 4½- to 10-ft. sewer in Seven Mile Rd., Ashland Ave. Sewer, Seven Mile Rd., $79,070. Grand total $309,652. Noted Nov. 12.

Calif., Dos Palos—Dos Palos Sanitary Dist., vitr. main sanitary outfall and complete pumping station, to E. K. Angle, Dos Palos, $26,827. Noted Nov. 26.

Calif., Los Angeles—For Sect. 36, North Outfall Sewer, to C. E. Green, Western Mutual Life Bldg., $137,571. Noted Sept. 10.

Calif., Los Angeles—To L. Massa, P. O. Box 453, Bell, sewers in 64th St. between West Blvd. and Alviso Ave., etc., cement sewer complete $35,981, 20,738 ft. house sewers $0.77 per ft., total approximately $51,949.

Calif., Pomona — Sludge sewage treatment plant, to Oberg Bros., 3470 Hollenbeck Ave., Los Angeles, $94,358. Noted Nov. 19.

Waste Disposal

PROPOSED WORK

Wis., Appleton — City, E. L. Williams, clk., plans garbage disposal plant. $25,000. Engineer not selected.

Argentina, Buenos Aires — Municipal Council plans 5 incinerators, in various part of city.

Bridges

PROPOSED WORK

Mass., Cambridge (Boston P. O.)—Harvard University making plans concrete and steel memorial foot bridge over Charles River connecting Harvard University and Harvard Business School. $200,000. Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, engrs. McKim, Mead & White, 101 Park Ave., New York City, archts.

Va., Occoquan—See "Streets and Roads under Virginia."

Florida—See "Streets and Roads."

Tenn., Shelbyville — State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Duck River, near here, Bedford Co. C. N. Bass, Nashville, acting comr.

Wis., Kenosha—See "Streets and Roads."

Ark., Dardanelle—State Hy. Dept., Little Rock, Yell Co. (Dardanelle) and Pope Co. (Russellville), soon take bids 2,600 ft. concrete and steel bridge, 30 ft. wide and 56 ft. high, from low water mark, over Arkansas River, here. $600,000. R. C. Limerick, highway engr. Noted June 25.

Tex., Baird—See "Streets and Roads."

Tex., Clairemont — See "Streets and Roads."

Tex., Eastland—See "Streets and Roads."

Tex., Floresville — See "Streets and Roads."

Tex., Graham—See "Streets and Roads."

Tex., Karnes City — See "Streets and Roads."

Tex., Pittsburg — See "Streets and Roads."

BIDS DESIRED

Mass., Boston — Dec. 17, by Dept. Pub. Wks., steel and concrete electric ferry bridge, at North Ferry. $60,000 bonds. J. A. Rourke, comr.

N. Y., New York — Dec. 28, by W. W. Mills, comr. Dept. Plant & Structures, Municipal Bldg., reconstructing High Bridge over Harlem River, between Manhattan and Bronx Boros. Noted Dec. 3.

Florida—See "Streets and Roads."

Fla., Vero Beach — See "Streets and Roads."

Miss., Kosciusko — See "Streets and Roads."

Ohio—Dec. 11, by Dept. Highways & Pub. Wks., Columbus, steel bridge on Sect. "J," Hambden-Andover Rd., Ashtabula Co., $28,858; culverts at Sta. 3 and Sta. 4, Sect. "K," Gallipolis-Pomeroy Rd., Gallia Co., $15,788 and $7,864 respectively; bridge and culverts on Sect. "K-1," Jackson-McArthur Rd., Jackson Co., $24,107; painting and cleaning structural steel bridge, Sect. "Muskingum River Bridge," Ohio River Rd., Washington Co., $5,650. G. S. Schlesinger, highway engr.

La., New Orleans—Dec. 17, by Pub. Belt R.R. Comn., Municipal Bldg., test borings for Mississippi River Bridge, 2 mi. above city limits; adv. E. N.-R. Dec. 10.

Kan., Angonia—Jan. 4, by Clerk Sumner Co., twenty-seven 20 ft. concrete slab bridges and two 80 ft. spans truss bridge near here, Federal Aid Project 323-B. H. A. Marshall, 111 Topeka St., Topeka, engr.

Kan., Coffeyville—Jan. 7, by Clerk Montgomery Co., two 80 ft. and one 120 ft. spans, concrete arch bridge on Federal Aid Project 332-A. Marsh Eng. Co., 205 Masonic Temple, Des Moines, Ia., engr.

Kan., Lane—Jan. 9, by Clerk Franklin Co., (Ottawa), one 136 ft. and two 68 ft. spans, steel truss bridge on Federal Aid Project 304-B, near here. E. C. L. Wagoner, Kemper Bldg., Kansas City, Mo., engr.

Kan., Oswego—Dec. 21 (extended date), by E. E. Barker, clk. Labette Co., Neosho River Bridge, two 120 ft. and one 140 ft. thru arch spans, 970 cu.yd. dry, 1,115 cu.yd. wet and 203 cu.yd. rock excav., 107,074 lb. reinforcing and 93,100 lb. structural steel, etc., $90,000, and Hickory Creek Bridge, one 120 ft. thru arch span, 1,009 cu.yd. dry, 314 cu.yd. wet and 90 cu.yd. rock excav., 46,338 lb. reinforcing and 24,766 lb. structural steel, etc., both on Parsons-Pittsburg Rd., Federal Aid Project 214-C, $28,000. Marsh Eng. Co., 205 Masonic Temple, Des Moines, Ia., designers, H. K. Shidler, Oswego, co. engr. Noted Dec. 3.

Mo., St. Louis—Jan. 5, by Bd. Pub. Serv., 208 City Hall, 3 span, 135 ft. rein.-con. bridge over River Des Peres, at Southwest Ave. $33,800. L. R. Bowen, 301 City Hall, engr. Noted Sept. 24.

Okla., Piedmont—Dec. 14, by W. A. Jackson, clk. Oklahoma Co., 3 span 66 ft. rein.-con. bridge, 1,610 cu.yd. concrete, 15.6 tons reinforcing, etc. $31,000. R. James, Court House, engr.

Colorado—Dec. 15, by State Hy. Dept., Denver, eight timber bridges and metal culvert on State Rd. 4, State Project 546, Teller Co.; timber bridge over Cat Creek, on State Project 524, Baca Co., 1,000 cu.yd. common excav.; concrete bridge and paved approaches over the Chicago, Rock Island & Pacific R.R. tracks on Nevada Ave., on Federal Aid 276, El Paso Co., 1,000 cu.yd. common and 6,500 cu.yd. borrow excav., 1,250 sq.yd. concrete paving and 185,800 lb. reinforcing. L. D. Blauvelt, State Office Bldg., Denver, engr.

BIDS RECEIVED

N. Y., Yonkers—Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, Bronx River Parkway Dr. Bridge 6, stone and rein.-con. over Bronx River Parkway Dr. at Yonkers Ave., here, from Fox-Reynolds Co., Inc., 81 East 125th St., New York City, $115,830. Noted Nov. 19.

Ill., Chicago—City, Room 406, City Hall, Nov. 27, superstructure for 2 span, 173 ft. double leaf trunnion bascule bridge, 64 ft., 38 ft. roadway, etc., over south branch Chicago River, at West Adams St., from Strobell Steel Constr. Co., 53 West Jackson Blvd., $438,408. Noted Nov. 12.

Tex., Ft. Worth — See "Streets and Roads."

CONTRACTS AWARDED

Va., Fredericksburg—Richmond, Fredericksburg & Potomac R.R. Co., Broad St. Station, Richmond, E. M. Hastings, ch. engr., double track concrete bridge over Rappahannock River, and elevating tracks to eliminate grade crossings, here, to Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, Md., $1,000,000.

Florida—State Hy. Dept., Tallahassee, 3 concrete bridges on Project 50-B Putnam Co., to Luten Bridge Co., West Market St., York, Pa., $36,558; 130 ft. concrete overhead crossing Project 625, Citrus Co., to R. H. H. Blackwell, Ellaville, $23,228; 4 timber bridges Project 631 B, Holmes Co., and 5 bridges Project 658 B, Washington Co., to F. D. Harvey & Co., Memphis, Tenn., $44,117 and $17,690 respectively. Grand total $121,593. Noted Oct. 22.

Ohio—See "Streets and Roads."

Ill., Highland Park—For one 64 ft., two 48 ft. and two 24 ft. cantilever span bridge at Roger-Williams Ave., to H. W. Greene Constr. Co., 9 South Clinton St., Chicago. Engrs. est. $50,000.

Wis., Baraboo — For 100 ft. concrete bridge over Baraboo River, at Ash St., to Adams Constr. Co., 927 Andrus Bldg., Minneapolis, Minn., $35,474.

Kan., Minneapolis — See "Streets and Roads."

Kan., Winfield—H. C. Voris, clk. Cowley Co., four 140 ft. span through arch concrete bridge on Federal Aid Project 231-B, to Western Bridge Co., Harrisonville, Mo., $77,178. Engrs. est. $84,624. Noted Nov. 12.

Tex., Wichita Falls—Wichita Co. 8 span, 344 ft. rein.-con. bridge across Wichita River, to Brown-Abbott Co., 742 Wilson Bldg., Dallas, $36,822. Engrs. est. $40,000. Noted Nov. 12.

Dams

PROPOSED WORK

Tex., Victoria — Victoria Ice & Electric Co., (subsidiary Central Power & Light Co., of which Middle West Utilities Co., 72 West Adams St., Chicago, Ill., is parent concern) plans power dam across Guadalupe River, near Julia Pens, in Victoria Co., $500,000; also making plans power transmission line from Victoria to Edna, connecting with line recently built from El Campo to Edna, $40,000. Private plans.

Colo., Denver—Plans dam, 30 ft. high, in Bear Creek Canyon, throwing water into 65 acres land forming lake. $125,000.

BIDS DESIRED

Illinois—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Louisiana — State Hy. Comn., Baton Rouge, received no bids Nov. 24, hydraulic fill and enlarging embankment 9.96 mi. Hammond-New Orleans Highway, Federal Aid Project 156, Sect. A, Jefferson Parish. Noted Oct. 15.

Minn., Crookston—Polk Co. making plans Judicial Ditch 73, incl. excavation to connect Badger and Maple Lakes. $20,000. H. J. Welte, aud.

Tex., Cotulla—La Salle Co. voted $7,331,000 bonds, irrigation project, incl. rein.-con., earth and stone dam across Nueces River, irrigation canals, ditches, etc. Nagle, Witt & Rollins, Keystone Bldg., Houston, engrs. Noted Nov. 12.

Wash., Aberdeen—Port of Grays Harbor Comm. plans election $150,000 bonds, improving harbor, incl. approximately 12 mi. dredging Chehalis River between here and Montesano.

Calif., Tracy—Directors Banta-Carbona Irrigation Dist. voted $125,000 bonds, completing irrigation system. Noted Sept. 21.

BIDS DESIRED

La., New Orleans—See "Bridges."

La., Shreveport—Jan. 6, by Bd. Comrs. Caddo Levee Dist., improving drainage Black Bayou from Houston-Vivian Highway to Huckalogs Bridge, Caddo Parish, 102,000 cu.yd. excav., etc.

Illinois—Jan. 5, at office L. Small, dir. Dept. Purchases & Construction, State House, Springfield, Starved Rock Lock and Dam, in Illinois River, 2 mi. above Utica,

Excavation, Drainage, Irrigation, Levees (Continued)

etc., Contr. 2; and Brandon Rd. Pool, at Joliet. M. G. Barnes, ch. engr.; adv. E. N.-R. Dec. 10.

Ill., Danville—Dec. 16, by Comrs. Feather Creek D. D. 2, Vermilion Co., at office of Acton, Acton & Snyder, 605 Temple Bldg., open ditch, incl. 99,129 cu.yd. excav. $15,-000. J. F. Fisher, 209 Dale Bldg., Danville, engr.

Wis., Milwaukee — Dec. 16, by Harbor Comn., E. Bruncken, secy., reinforcing with anchorage and piling approximately 1,375 lin.ft. revetment along west side Jones Island. $75,000.

BIDS RECEIVED

Louisiana — State Hy. Comn., Baton Rouge, Nov. 24, hydraulic fill and enlarging embankment 5.35 mi. Hammond-New Orleans Highway, Federal Aid Project 156, Sect. B, St. Charles Parish, from United Dredging Co., 323 Security Bldg., Galveston, Tex., $590,115. Noted Oct. 15.

Calif., Richmond — Dredging 180,000 cu.yd. in turning basin fronting municipal wharf, from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $0.295 per cu.yd.

CONTRACTS AWARDED

Kan., Kansas City—Fairfax D. D., 20,000 sq.yd. rock and concrete dike facing, to Halpin Boyle Constr. Co., 709 Ry. Exch. Bldg., Kansas City, Mo., $40,000.

Tex., Corpus Christi—Nueces Co., additional section breakwater at Ship Channel, to J. DePuy, c/o Builders Exch. Bldg., San Antonio, $60,000.

Ark., Osceola — Bd. Comrs. Sub-Dist. 1, Carson Lake D. D. 8, Mississippi Co., 3,000,000 cu.yd. excav., incl. 75 mi. outlet channels, 41 mi. cleaning and redigging lateral ditches, 27 mi. new laterals, Numbers 1, 2, 3 and 4, to O. Kochtitzky, England, $227,217; No. 5, to W. J. Gleason, Aitken, Minn. $33,795. Noted Nov. 5.

Ark., Osceola — Sub. Dist. 3, D. D. 9, Mississippi Co. drainage and flood protection work, incl. 12,000,000 cu.yd. excav., 80 mi. outlet channels, 23 mi. channel clearing, 90 mi. cleaning out and redigging laterals and ditches, also 20 mi. new laterals, to R. I. Igo, Indianola, Ia., to Clark Bros. Constr. Co., Nevada, Ia., to Briggs & Drew, 925 City Natl. Bank Bldg., Omaha, Neb., to Broderick Bros., Kennett, Mo., to J. H. Boyce Sons, Omaha, Neb., Crumpecker & Adams, Morehouse, Mo., and H. Sanders, Leachville, total awards approximately $1,250,000. Noted Nov. 5.

Streets and Roads

PROPOSED WORK

Conn., New Haven — Plans to issue $350,000 bonds, paving Elm St. from Church to York Sts. E. S. Nettleton, city engr.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, rejected bids concrete sidewalks both sides Forest Ave. Noted Nov. 19.

New Jersey — Mercer Co. (Trenton), W. C. Fowler, clk., Court House, plans improving several miles road between Trenton and Woodsville. $500,000. H. F. Harris, Court House, Trenton, engr.

N. J., Trenton — Plans sheet asphalt widening Calhoun St. from State St. to Delaware River. $25,000. J. E. English, City Hall, engr.

Virginia — State Hy. Dept., Richmond, plans hardsurfaring, etc., uncompleted highways, incl. Richmond-Washington and Winchester-Bristol Highways, also bridge at Occoquan. $1,400,000.

N. C., Hendersonville — Plans to issue $300,000 bonds completing street paving program.

Ga., Augusta—Richmond Co. voted $750,-000 bonds, hard-surfacing various roads.

Ga., Clarksville — Habersham Co. voted $225,000 bonds, hardsurfacing various roads.

Ga., Dalton—Whitfield Co. voted $400,-000 bonds, improving various roads. Noted Oct. 29.

Ga., Greenville—Meriwether Co. election in January, $1,200,000 bonds, improving roads.

Ga., Oglethorpe—Macon Co. voted $100,-000 bonds, hard-surfacing road.

Ga., Waynesboro—Burke Co. voted $600,-000 bonds, hardsurfacing various streets.

Florida — State Hy. Dept., Tallahassee, rejected bids Nov. 12, grading 9.77 mi. Project 50-B, Putnam Co. and 10.52 mi. Project 660, Clay Co.; also bridges on Project 648 B, Hardee Co., and Project 660 B, Clay Co. Noted Oct. 22.

Fla., Center Hill—Plans improving various streets. $210,000. E. McCutcheon, Center Hill, engr.

Fla., De Funiak Springs—Voted $68,000 bonds, paving various streets.

Fla., Dundee — Plans paving various streets, etc. $162,236.

Fla., Moore Haven — Glades Co. voted $550,000 bonds, constructing various roads. Noted Nov. 19.

Fla., Ocoee—Town Council plans paving McKey, Magnolia, Lafayette, Lakewood and Lake Shore Sts. $35,566. J. B. McCrary Eng. Co., Ocoee, engrs.

Miss., Meridian — Clerk Lauderdale Co. soon takes bids improving 7.84 mi. Shuckstown Rd., 8 acres clearing and grubbing, 40,000 yd. excav., 9,200 yd. gravel 1 mi. haul, 221,000 unit overhaul, 3,100 yd. clay binder, 55,200 yd. mixed binder and gravel, etc.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans grading, bridging, etc., 10 mi. Selmer-Adamsville Rd., McNairy Co., and 8 mi. Wartburg-Sunbright Rd., Morgan Co. C. N. Bass, Nashville, acting comr.

Tenn., Knoxville—Made plans grading, sewers and paving Island Home, Martin Hill and Walker Sts. $59,912. W. W. Mynatt, City Hall, engr.

Tenn., Savannah — Plans probably concrete paving various streets. $25,000.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids early next year grading, curbing, and vitr. brick on concrete paving 2,356 sq.yd. Sunset View Dr.; and 2,400 sq.yd. Moreley Ave., both 24 ft., with 5 ft. walks. $25,000 each. E. A. Kemmler, Delaware Bldg., engr.

O., Bedford—See "Sewers."

O., Canton — Bd. Control takes bids in spring asphalt paving 1 mi. Park and Harrison Aves. S. W., 40 ft. $40,000. W. E. Sarver, City Hall, engr.

O., Canton—Comrs. Stark Co. take bids in spring improving 1 mi. Canal Dover-Wooster Rd., 18 ft. $30,000. A. M. Wise, Court House, engr.

O., Medina—Comrs. Medina Co. take bids in spring improving 6.8 mi. Mallet Creek Rd., $25,000; and slag surfacing, etc. 9.5 mi. Styx Rd., $30,000, both 16 ft. State to give $15,000 towards cost of latter project.

Ind., Indianapolis—Improving Baltimore Ave. from Hillside to 34th Sts., 23,023 sq.yd. asphaltic concrete on concrete paving, 13,-857 lin.ft. curbing, 13,508 cu.yd. earth excav., also Hillside Ave. from Bloyd to Baltimore Aves., 6,761 sq.yd. asphaltic concrete on concrete paving, 3,992 lin.ft. curbing, 4,845 cu.yd. earth excav., to Indiana Asphalt Paving Co., 2810 Columbia Ave., $110,590 and $33,093, respectively.

Mich., Detroit—Plans berea or medina curbing and 3½ in. sheet asphalt on 8 in. concrete paving 3,980 sq.yd. Cillax Ave. $17,930, 5,570 sq.yd. Palmetto Ave. $25,020, 5,320 sq.yd. Crocuslawn Ave. $23,940, 8,320 sq.yd. Ohio Ave. $37,410, 1,795 sq.yd. Bivouac Ave. $8,060, 785 sq.yd. Sarvis Ave. $3,520, 3,220 sq.yd. Cody Ave. $14,450, all 28 ft.; 6,980 sq.yd. Courville Ave. $31,390, 19,750 sq.yd. Woodlawn Ave. $88,850, 2,250 sq.yd. Eugene Ave. $10,120, 2,060 sq.yd.

SUBWAY—NEW YORK, N. Y.

Bids were opened by Bd. Transportation, 49 Lafayette St., Nov. 17, for constructing Sect. No. 7, Route No. 78, along West 174th St. and Fort Washington Ave., from West 174th to West 183rd Sts., (A) M. Del Balso, 819 Edgewater Rd., (B) Moronti & Raymond, Inc., 42 Broadway; (C) S. B. Mason, 17 West 60th St.; (D) G. H. Flinn, 17 Battery Pl.; (E) Underpinning & Foundation Co., Inc., 302 Madison Ave.; Patrick McGovern, Inc., 50 East 42nd St., $3,888,357 and $3,811,057; Coleman Bros., Inc., 80 Maiden Lane, $3,912,745; Rosoff Subway Construction Co., Inc., 331 Madison Ave., $3,939,327; P. F. Connolly, 9 Jackson Ave., Long Island City, $4,020,450 and $3,943,150; La Rocco & Scocotta Construction Corp., 47 West 42nd St., $4,043,573; Heyman & Goodman Co., Inc., 236 West 116th St., $4,128,885 and $4,083,685. The unit bids of the lowest four and highest bidders are as follows:

	A	B	C	D	E
* 20,400 cu.yd. (a) earth excavation and disposal at N.R., north of Dyckman St.	$11.50	$11.90	$11.75	$14.20	$16.00
† 20,400 cu.yd. (b) earth excavation and disposal at N.R., south of Ft. Wash. Point	11.50	11.90	11.25	14.10	16.20
* 70,000 cu.yd. (a) rock excavation and disposal at N.R., north of Dyckman St.	11.50	11.90	11.75	14.20	16.00
† 70,000 cu.yd. (b) rock excavation and disposal at N.R., south of Ft. Wash. Point	11.50	11.90	11.25	14.10	16.20
42 furnishing and planting trees	50.00	50.00	37.50	50.00	50.00
* 64,200 cu.yd. (a) tunnel excavation and disposal at N.R., north of Dyckman St.	16.50	14.95	18.50	16.00	22.00
† 64,200 cu.yd. (b) tunnel excavation and disposal at N.R., south of Ft. Wash. Point	16.50	14.95	18.00	15.90	22.20
28,500 cu.yd. concrete masonry in place	21.50	22.00	22.00	24.00	27.00
147,000 sq.ft. rubbed surface	.10	.12	.10	.12	.25
1,600 cu.yd. protective concrete	21.50	22.00	22.00	24.00	27.00
30 cu.yd. brick masonry	40.00	45.00	38.80	35.00	60.00
50 cu.yd. removal and disposal of old masonry	20.00	20.00	31.20	50.00	81.00
300 sq.yd. vitrified brick lining for sewers	6.00	55.00	7.10	5.00	7.00
10 cu.yd. hollow terra cotta or tile masonry	50.00	35.00	38.80	45.00	60.00
5,000 bbl. Portland cement grout	5.00	8.00	7.50	7.00	6.00
120 sq.yd. plastering on hollow tile	1.50	4.00	1.50	2.00	3.60
200 M.ft. B.M. tunnel timbering	50.00	100.00	125.00	110.00	150.00
10 cu.yd. broken stone or gravel	4.00	5.00	5.00	5.00	5.00
4,300 sq.yd. (a) waterproofing treated fabric, 1-ply	1.25	1.00	1.06	1.20	1.50
9,300 sq.yd. (c) waterproofing treated fabric, 3-ply	3.00	3.00	2.50	2.75	4.50
200 cu.yd. (f) waterproofing treated fabric, 6-ply	6.00	6.00	5.00	6.00	9.00
100 sq.yd. (l) waterproofing treated fabric dry ply	1.25	1.00	.60	1.00	1.50
260 cu.yd. (a) waterproofing brick in mastic, 1 layer	50.00	55.00	48.80	55.00	60.00
25 cu.yd. (b) waterproofing brick in mastic, 2 layers	50.00	55.00	48.80	75.00	55.00
1,000 lin.ft. (a) cast iron pipe and fittings, 3 in.	1.00	1.00	1.60	1.20	1.50
500 lin.ft. (b) cast iron pipe and fittings, 4 in.	1.50	1.25	2.00	1.60	2.00
500 lin.ft. (c) cast iron pipe and fittings, 6 in.	2.50	2.50	2.90	2.25	3.00
900 lin.ft. (d) cast iron pipe and fittings, 8 in.	4.00	3.00	4.40	3.50	4.00
200 lin.ft. (a) standard galvanized pipe, 3 in.	1.25	1.25	1.80	1.25	1.50
100 lin.ft. (b) standard galvanized pipe, 4 in.	1.60	1.50	2.00	1.50	2.00
50 lin.ft. (d) standard galvanized pipe, 8 in.	4.00	4.00	5.60	3.00	4.00
50 lin.ft. (e) standard galvanized pipe, 10 in.	6.00	6.00	8.20	6.00	5.00
46,000 duct. ft. tunnel ducts	.30	.30	.26	.30	.50
90 lin.ft. 3-in. fibre conduits	.30	.30	.31	.30	.50
2,450 ton riveted steel beams and shapes	118.00	120.00	120.00	120.00	135.00
2 ton architectural steel and iron	400.00	300.00	375.00	400.00	600.00
75 sq.ft. (b) steel doors and appurtenances	6.00	4.00	6.25	6.00	7.00
1 emergency exit covers	600.00	50.00	565.00	500.00	800.00
70 ton steel rods and bars	115.00	120.00	110.00	100.00	100.00
7 ton miscellaneous iron castings	200.00	200.00	190.00	200.00	380.00
700 special wire forms (per pound)	.20	.25	.23	.20	.50

	A	B	C	D	E
2,800 lin.ft. 1¾ in. oak or ash hand rail	.50	1.00	.50	.80	1.00
2,320 sq.ft. steel gratings for ventilation	4.00	4.00	3.75	3.50	5.00
3,540 sq.yd. (a) street surface restored within curb lines	2.70	3.00	3.40	3.50	3.60
350 sq.yd. (e) street surface restored repavement asphalt between curb lines	5.00	4.50	5.60	5.00	5.50
4,960 sq.yd. (g) street surface restored repavement asphalt block between curb lines	5.50	4.00	6.25	6.00	6.00
100 lin.ft. (i) street surface restored new 6-in. blue stone curb	5.00	3.00	2.30	2.50	3.00
100 lin.ft. (k) street surface restored new 8-in. granite curb	6.00	5.00	5.70	4.50	6.00
100 sq.yd. (n) street surface restored, repavement macadam between curb lines	2.00	7.00	5.00	3.50	5.50
130 sq.yd. finishing upper 3-in. concrete walls and slabs	3.00	2.00	1.90	3.25	9.00
8,950 sq.yd. temporary pavement of granite blocks	3.00	2.00	3.10	3.00	1.00
18,400 lin. ft. (a) steel electric conduits, ¾ in	.40	.50	.40	.40	.30
200 lin.ft. (b) steel electric conduits, 1¼ in	1.00	1.50	.57	1.00	.60
700 lin.ft. (c) steel electric conduits, 2 in	1.10	1.50	.75	1.25	.80
6,700 lin.ft. (d) steel electric conduits, 1 in	.80	.90	.50	1.00	.40
10 lin.ft. (e) steel electric conduits, 3 in	1.50	1.80	1.25	2.50	1.20
10 lin.ft. (g) steel electric conduits, 2½ in	1.25	1.60	1.00	2.00	1.00
1,335 4 x 4 x 3 in. C.I. outlet boxes	2.50	2.25	2.00	2.50	3.00
20 (a) 6 x 6 x 4 in. C. I. pull boxes	6.00	5.00	3.20	6.00	5.00
1 (b) 16 x 12 x 3 in. C. I. pull boxes	8.00	5.00	7.50	20.00	10.00
10 (c) 8 x 8 x 6 in. C. I. pull boxes	8.00	8.00	7.50	15.00	15.00
210 lin.ft. (a) C. I. pipe and fittings, extra heavy, 6 in	3.00	5.00	4.60	4.00	4.00
100 lin.ft. (b) C. I. pipe and fittings, extra heavy, 3 in	1.50	2.50	2.50	2.00	2.50
10 lin.ft. (c) C. I. pipe and fittings, extra heavy, 4 in	2.00	3.00	3.20	3.00	3.00
100 lin.ft. (f) C. I. pipe and fittings, extra heavy, 8 in	4.00	6.00	7.50	5.00	6.00
1,000 lin.ft. 15-in. vitrified pipe sewer in piece	6.00	2.00	8.30	6.00	10.00
300 lin.ft. 24 in. vitrified pipe sewer in piece	12.00	2.00	11.60	14.00	20.00
25 ton C. I. sewer pipe, straight	120.00	200.00	125.00	135.00	100.00
10 ton C. I. sewer pipe, special castings	250.00	200.00	200.00	275.00	200.00
900 lin.ft. (a) flat top, reinforced concrete sewer, 3 ft. 6 in. x 2 ft. 4 in	20.00	10.00	18.50	19.00	30.00
200 lin.ft. (i) flat top reinforced concrete sewer, 4 ft. 6 in. x 8 ft. 10 in	25.00	10.00	25.50	24.00	60.00
100 lin.ft. water pipe, including all appurtenances, 6 in	2.00	2.00	1.25	1.50	6.00
100 lin.ft. water pipe, including all appurtenances, 8 in	3.50	2.50	1.90	2.00	8.00
100 lin.ft. water pipe, including all appurtenances, 12 in	4.00	4.00	2.50	3.00	12.00
5 service connections for water pipes	50.00	30.00	32.00	40.00	80.00
100 lin.ft. gas pipe, cast iron and steel, 6 in	2.00	3.00	1.25	2.00	6.00
100 lin.ft. gas pipe, cast iron and steel, 8 in	4.00	3.00	1.90	2.50	8.00
4,000 lin.ft. (a) by-passing pipe upon or below surface, 6 in	6.00	20.00	15.00	4.00	7.00
5 service connections for gas pipe	50.00	30.00	50.00	5.00	80.00
5 ton new C. I. hub and spigot straight pipe	125.00	200.00	95.00	100.00	100.00
2 ton new C. I. hub and spigot special pipe	250.00	300.00	185.00	230.00	200.00
300 duct.ft. vitrified clay, electric ducts and conduits	.60	.60	.44	.40	1.00
100 lin.ft. (b) steel pipe electric ducts and conduits, 3 in	1.00	.80	1.25	3.50	1.50
100 lin.ft. (c) steel pipe electric ducts and conduits, 3½ in	1.20	1.00	1.50	5.00	1.50
5 service connections for electric ducts	100.00	30.00	65.00	50.00	80.00
100 lin.ft. (a) wooden electric ducts and conduits, 3 in	.60	.60	.44	.50	1.50
100 lin.ft. (a) fibre electric ducts and conduits, 3 in	.60	.60	.44	.60	1.50
Total for disposal at N. R. north of Dyckman St. (not including items †)	$3,382,263	$3,478,989	$3,572,155	$3,673,612	$4,404,790
Total for disposal at N. R. south of Ft. Washington Pt. (not including items *)	$3,382,263	$3,478,989	$3,494,855	$3,658,152	$4,435,710

* Totals include underpinning of buildings, but units do not.

Streets and Roads (Continued)

Newport Ave. $9,260, 2,270 sq.yd. Anderson Ave. $10,210, 2,270 sq.yd. Cope Ave. $10,210, 2,270 sq.yd. Coplin Ave. $10,210, 6,650 sq. yd. Drexel Ave. $29,940, and 1,810 sq.yd. Dawes Ave. $8,150, all 30 ft. P. A. Fellows, City Hall, engr.

Ill., Belleville—St. Clair Co. making preliminary plans grading and concrete paving 14 mi. Belleville-Smithton-Hecker Rd., 18 ft. D. O. Thomas, Court House, supt.

Ill., Chicago—Cook Co. plans to expend about $4,600,000 during 1926 for improving about 102 mi. various roads. G. Quinlan, supt. of co. highways.

Ill., East St. Louis — Soon takes bids grading, curbing and asphalt or concrete paving 10 blocks Market Ave. between 4th and 14th Sts. $30,900. W. McK. Brown, City Hall, engr.

Ill., Geneseo—Making preliminary plans grading and concrete slab paving approximately 1 mi. Route 7 through Geneseo City limits, 32 and 34 ft. $59,357. J. A. Ryan, City Hall, engr.

Wis., Kenosha—Kenosha Co., J. F. Herzog, highway comr., plans concrete paving 3 mi. Geneva Rd. from Fox River Bridge west $112,000, 1.25 to 1.5 mi. Highway 83 $40,000, 1.75 mi. Burlington Rd., incl. new concrete bridge over branch of Eau Plaines River $60,000; gravel surfacing various roads $40,000 also constructing Fox River Bridge $30,000. J. T. Donaghey, Madison, ch. engr.

Wis., Clintonville—J. Spearbraker, city clk., making plans concrete curbing, guttering and one course concrete paving 28,000 sq.yd. 12th and 6th Sts. L. P. Pelishek, City Hall, engr.

Wis., Fond du Lac—Making plans paving 48,900 sq.yd. various streets. G. H. Stanchfield, City Hall, engr.

Minn., South St. Paul—Making plans paving 1 mi. Marie Ave. and 2nd St. $50,000. P. V. Kelley, city engr.

Wis., Waupaca—F. A. Houseman, city clk., making plans various types paving South Main, Berlin, Lake, Granite and West Union Sts. To exceed $25,000. Engineer not selected.

Mo., St. Louis—Dept. Pub. Wks., 208 City Hall, soon takes bids grading and concrete paving 24,325 yd. alleys in City Blocks 1245, 4974, 5128, 5203, 5429 E, 5544, 5688, 2868 E, 2999, 3016, 3038, 3607, 4053 B, 4942, 5204, 5302, 3000, 4050, 4364, 4411 A and 4416 B. $68,500. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, will not resurface with asphalt, brick or recut granite blocks 18 blocks Market, Chestnut, Locust, Vine and Charles Sts. between 3rd and 4th Sts., St. Charles St. between 10th and 12th Sts., also Lucas St. between 4th and 11th Sts. Project abandoned. W. W. Horner, 300 City Hall, engr. Noted Nov. 12.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids asphaltic concrete paving, etc., DeTonty St. between Newstead and Vandeventer Sts. $7,500, Walnut St. between Leffingwell and Ewing Sts. $8,200, Theodore St. between Euclid and Kingshighway Sts. $11,900, Tennessee St. between Wilmington and Iron Sts. $14,400, and Tennessee St. between Iron and Kansas Sts. $10,500; asphalt paving, etc., Clark St. between Jefferson and Compton Sts., $52,700; concrete paving, etc., Compton St. between Fassen and Eichelberger Sts., $6,600; Warrenite paving, etc., Pennsylvania St. between Bates and Fassen Sts. $5,700, and Missouri St. between Pacific and Morgan Ford Sts., $16,800; and grading, etc., Idaho St. between Robert and Loughborough Sts., $7,900. W. W. Horner, 300 City Hall, engr.

Mont., Helena—V. N. Kessler, city clk., making plans paving 31 blocks various streets. $110,000. T. Carmichael, city engr.

Ark., Augusta — Plans grading, curbing and paving 7 blocks Main St., 56 ft. $30,000. H. G. Watts, mayor. Engineer not selected.

Ark., Dardanelle—Plans grading, curbing and paving 35 blocks in Dist. 2, 26-60 ft. $100,000. T. D. Williams, mayor. Engineer not selected.

Tex., Baird—Callahan Co. making plans grading, bridging and asphalt macadam paving 3 mi. State Highway, Eastland Co. line to Shackelford Co. line, 18 ft. $95,000. G. E. Franklin, Eastland, engr.

Tex., Brownsville—Cameron Co. making plans constructing about 7 mi. Highway 100 from Barreda to Point Isabel. $60,000 or more. W. O. Washington, Brownsville, engr.

Tex., Clairemont—Kent Co. making plans grading, bridging and hard surfacing 17.38 mi. State Highway 83, from Garza to Fisher Co. line. $386,235. L. M. Ferlet, Clairemont, engr.

Tex., Eastland — Eastland Co. making plans grading, bridging and permanent paving 4 mi. Cisco-Moran Rd., 18 ft. $135,000. G. E. Franklin, Eastland, engr.

Tex., Eastland — Eastland Co. making plans grading, bridging and asphaltic macadam paving 11 mi. highway from Callahan Co. line to point 4 mi. from Cisco, 18 ft. $350,000. G. E. Franklin, Eastland, engr.

Tex., Floresville — Wilson Co. making plans grading, bridging and asphaltic macadam paving 10 mi. State Highway 16 from Karnes Co. line to point 2 mi. from here, 18 ft. $250,000. F. E. Hess, Floresville, co. engr.

Tex., Floydada — Election soon $75,000 bonds, paving various streets. Gantt-Baker Co., Inc., 1116 West Main St., Oklahoma City, Okla., engrs.

Tex., Ft. Worth—Voted $2,200,000 bonds general street improvements. O. E. Carr, city mgr.

Tex., Gatesville — Making plans paving various business streets. $45,000. M. L. Winter, Gatesville, engr. Noted Oct. 8.

Tex., Goliad—Goliad Co. election Dec. 19, $420,000 bonds hardsurfacing about 18 mi. roads radiating from here. J. A. White, Goliad, co. judge.

Tex., Graham—Young Co. making plans grading, bridging and hardsurfacing about 22 mi. Highway 24, from Graham to Jack Co. line, 18 ft. $700,000. State and Federal Aid appropriate about 50% of cost. W. F. Parsley, Graham, co. judge.

Tex., Graham—Young Co. making plans grading, bridging and hard surfacing about 10 mi. Highway 67 from Graham to Stephen Co. line, 18 ft. $350,000. W. F. Parsley, Falfurrias, co. judge. State and Federal Aid appropriate about 50% of cost.

Tex., Hallettsville — Lavaca Co. voted $200,000 bonds hardsurfacing roads between Yoakum and Hochheim, etc., also concrete river bridge across Guadalupe River. State Aid appropriates toward cost. W. H. Koether, Hallettsville, co. judge. Noted Oct. 7.

Tex., Henrietta—Clay Co. making plans rein.-con. paving 6.89 mi. State Highway 5, east of Wichita Co. line, $70,000; 7.14 mi. State Highway 5, Federal Aid Project 448, Unit 2, $185,000; also 9.25 mi. State Highway 50, Henrietta-Bowie Rd., $240,000, all foregoing 18 ft. W. A. Oberchain, Henrietta, engr.

Tex., Karnes City — Karnes Co. making plans grading, bridging and asphaltic macadam paving 7 mi. State Highway 16 from north line of Rd. Dist. 3 to Wilson Co. line, 18 ft. $180,000. O. N. Powell, Kenedy, engr.

Tex., Karnes City—Election Dec. 19, $65,000 bonds improving roads in Karnes City Dist. $65,000. Address D. O. Klinngeman, Karnes City, co. judge.

Tex., Karnes City—Karnes Co. election Dec. 19, $300,000 bonds constructing roads in Kenedy Rd. Dist. O. N. Powell, co. engr.

Streets and Roads (Continued)

Tex., Kingsville—Kleburg Co. making plans 6 in. caliche re-paving highway from Riviera south. $40,000. H. T. Fields, Corpus Christi, div. engr.

Tex., Pittsburg — Camp Co., making plans grading, bridging, triple bituminous and macadam paving 5.8 mi. State Highway 65, 18 ft. $220,000. C. Chappell, Pittsburg, engr.

Tex., Sweetwater — Nolan Co. making plans grading, bridging and 1 in. bituminous on crushed stone paving 5 mi. Highway 20, Sweetwater to Fisher Co. line, 18 ft. $110,000. J. A. Focht, Sweetwater, engr.

Tex., Yoakum—Making preliminary surveys additional paving during 1926. $60,000. Address Mayor.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans grading and paving 8 mi. Jefferson Highway, Craig Co., $60 000; also grading and gravel surfacing 5 mi. Shamrock-Drumright Rd., Creek Co., $45,000, both 30 ft. J. M. Page, highway engr.

Okla., Bartlesville—See "Unclassified."

Okla., Enid—Plans paving 7 blocks various streets. $28,000. R. T. Williams, city clk.

Okla., Holdenville—Plans 30,000 ft. concrete sidewalks in various parts of city. $28,000. C. H. Edge, Holdenville, engr.

Okla., Pauls Valley—Making preliminary plans grading, curbing and vertical fibre brick paving 7,100 sq.yd. Jay, Chickasaw and McClure Sts. $35,000. W. J. Harris, city clk. Engineer not selected.

Okla., Tulsa—Plans grading, curbing and asphaltic concrete surfacing 29,700 sq.yd. Harvard and 15th Sts. $151,210. C. Schultz, City Hall, engr.

Okla. — Waynoka — Making preliminary plans grading, curbing and concrete paving 9,700 sq.yd. streets in Business Dist. $35,000. T. J. Barnett, mayor. Engineer not selected.

Calif., Burlingame—Making plans improving Adeline Dr., Balboa, Cortez Aves., etc., 5,000 cu.yds. grading, 30,238 sq. ft. concrete walks, etc. J. James, city engr.

Calif., La Mesa — Plans concrete paving various streets. $150,000 or more.

Calif., Los Angeles — Los Angeles Co. made plans grading, curbing, guttering, sidewalks and concrete paving 241,413 sq.ft. Palm St. between Hawthorne Ave. and Rancho Sausal Redondo and extension of Palm St. To exceed $100,000. J. E. Rockhold, Hall of Records, co. surv.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Dec. 16, curbing, guttering sidewalks, asphaltic concrete and asphaltic macadam or sheet asphalt paving. Doheny Dr., Cottage Pl., 73rd., Talmadge, Emerald, Council and Gaffey Sts.; also curbing, guttering, sidewalks, asphaltic concrete on concrete paving La Brea and Burnett Aves., Colyton, 7th and 16th Sts. To exceed $75,000. J. C. Shaw, City Hall, engr.

Calif., Redwood City—Plans extending Bway. through to Main St. $90,000. C. L. Dummitt, city engr.

Calif., San Diego—Common Council plans improving Vermont, Essex, and Herbert Sts., 189,040 sq.ft. 1½ in. asphalt on 4 in. concrete paving, 3,351 sq.ft. concrete sidewalks, 212 cu.yd. excav. and 620 cu.yd. embankment; also Muir Ave., 2,873 cu.yd. excav., 491 cu.yd. embankment, 125,593 sq.ft. 1½ in. asphalt on 3 in bituminous paving, 6,200 ft. curbing, etc. F. A. Rhodes, city engr.

Ont., Lucknow — Council plans probably concrete paving Chapel St., etc. $35,000. R. Johnston, chn. com.

BIDS DESIRED

Massachusetts — Dec. 15, by Dept. Pub. Wks., Boston, bituminous concrete paving 21,521 ft. highway in Dennis, and 14,056 ft. highway in Yarmouth; bituminous macadam paving 6,400 ft. highway in Ayer and Littleton; rein.-con. and bituminous macadam paving 28,795 ft. highway in Lenox, Lee and Stockbridge, all foregoing 18 ft. W. F. Williams, comr.

Massachusetts—Dec. 22, by Dept. Pub. Wks., Boston, bituminous macadam paving 10,155 ft. highway in Bedford and Lexington; rein.-con. and bituminous paving 20,187 ft. in Brockton and West Bridgewater; bituminous concrete paving 15,400 ft. in Chatham, all foregoing 18 ft. W. F. Williams, comr.

N. Y., Long Island City—Dec. 17, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks and sheet asphalt on concrete paving 39th Ave., Pearson and 115th Sts.; grading, curbing and sidewalks, etc., 57th Ave. (Martense St.), Laurel Hill Blvd., and Lurting St.; also grading Stafford and Herrick Aves., Ingram, Juno, Kessel, Loubet, Nansen, and Olcott Sts.

Pa., Charleroi—Dec. 14, by Boro. Council, grading and vitr. brick on concrete, one course rein.-con. or bituminous on concrete surfacing 11,710 sq.yd. McKean Ave. and 9,115 sq.yd. Fallowfield Ave. between 2nd and 9th Sts. $60,000 and $50,000 respectively. A. A. McDonald, Municipal Bldg., engr.

Florida — Jan. 6, by State Rd. Dept., Tallahassee, Projects 641, 641-B, and 656, Road 4, Palm Beach Co.; and Project 648-B, Road 2, Hardee Co. J. L. Cresap, Tallahassee, highway engr.; adv. E. N.-R. Dec. 10.

Fla., Vero Beach—Jan. 5, by Bd. Comrs. Indian River Co., curbing, bridging, water bound macadam with asphalt surface treating 347,065 sq.yd. road. D. L. Leisher, co. engr.; adv. E. N.-R. Dec. 10.

Alabama—Dec. 23, by State Hy. Dept., Montgomery, improving 7.6 mi. Greenville-Pineapple Rd., State Project 7, Butler Co., 17,860 cu.yd. gravel surfacing in Sect. B, and 1 mi. grading and 2,400 sq.yd. gravel surfacing on Sect. C grading and gravel surfacing, etc., 14,900 cu.yd. Ashland-Lineville Rd., State Project 117, Clay Co. W. A. McCalla, highway engr.

Miss., Kosciusko — Dec. 15, by Bd. Supervs. Attala Co., improving 9.932 mi. Federal Aid Project 37, 12.73 acres clearing and grubbing, 58,965 cu.yd. excav., 9,775 yd. borrow, 48,613 lb. reinforcing, 184,238 ft. creosoted timber, 422 cu.yd. gravel one mi. haul, 1,598 units overhaul, etc. H. C. Dietzer, Jackson, highway engr.

Michigan—Dec. 17, by State Hy. Dept., at office Comrs. Macomb Co., Mt. Clemens, concrete paving 3.053 mi. Federal Aid Road 212 Sect. A, (Assessment Dist. 1117), 20 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Dec. 18, by State Hy. Comn., at office Comrs. Alsona Co., Harrisville, graveling 11.033 mi. State Trunk Line Road 72-3, 16 ft. G. A. Dillman, Lansing highway engr.

Michigan—Dec. 18, by State Hy. Dept., at office Comrs. Lapeer Co., Lapeer, concrete paving 2.3 mi. Federal Aid Road 147, Sect. A (Assessment Dist. Road 1118), 20 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Dec. 21, by State Hy. Dept., at office Comrs, Sanilac Co., Sandusky, graveling 2.496 mi. Federal Aid Road 122 A-1, 6.004 mi. same road Sect. A-2, 5.004 mi. Sect. A-3, and 6.01 mi. Sect. B. G. C. Dillman, Lansing, highway engr.

Wis., Sheboygan — See "Contracts Awarded."

Kan., Howard—Jan. 8, by Clerk Elk Co., grading, etc., 8.692 mi. Federal Aid Project 297-A. C. B. Alexander, Howard, co. engr.

Mo., Caruthersville—Dec. 16, by Comrs. Little Prairie Special Road Dist., Pemiscot Co., N. W. Helm, chn., grading and concrete surfacing 53,838 sq.yd. Caruthersville-Braggadocio Rd. to connect with State Highway 9. B. O. Bennett, Caruthersville, engr.

Tex., Albany — Dec. 15, by R. Dyess, judge Shackelford Co., bituminous on sledged stone paving 17.59 mi. State Highway 23, State Aid Project 515, Unit 2, $94,430; 8.18 mi. State Highway 1-A, Federal Aid Project 477-A, Unit 2, $59,000; 12.71 mi. State Highway 1-A, Federal Aid Project 6, $189,000; all foregoing 18 ft. J. E. Pirie, Albany, co. engr. Noted Oct. 22 and Dec. 3.

Tex., Donna—J. E. Weir, city secy., taking bids and open same about Dec. 10, 1 in. rock asphalt on concrete, 2 in. rock asphalt on gravel or warrenite bitulithic on bituminous concrete paving 7 blocks various streets. $40,000.

Colorado—Dec. 15, by State Hy. Dept., Denver, grading and concrete paving, etc., 9,900 sq.yd. Federal Aid Project 275-B, Douglas Co.; also grading 7,400 cu.yd. State Project 559, State Highway 72, Jefferson Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Calif., San Diego—Dec. 21, by Common Council, concrete curbing, sidewalks and 1½ in. asphaltic concrete on 2½ in. bituminous paving, etc. 215,907 sq.ft. 21st St. and Julian Ave. F. A. Rhodes, city engr. Noted Sept. 17.

Calif., Santa Cruz—Dec. 22, by Supervs. Santa Cruz Co., curbing, grading, concrete paving, etc. 2,861 cu.yd. portion of Santa Cruz-Boulder Creek Highway. L. Bowman, Santa Cruz, co. surv.

BIDS RECEIVED

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., Dec. 1, from T. Di Roma, 33 Evelyn Pl., grading, curbing and sidewalks on Rochambeau Ave. $8,416, grading, etc., Rosedale Ave. $3,769, and Holland Ave. $20,650; from I. F. Cavaluzzo, 1538 Walton Ave., grading Wallace Ave. $3,223, and from L. D. Minna, 2366 Lorrilard Ave., Hering Ave. $11,467; from C. Turiano Contg. Co., 8706 Bay 12th St., Brooklyn, sewers in Hine and Burke Aves., $15,21 Noted Nov. 26.

Louisiana — State Hy. Comn., Baton Rouge, Nov. 24, from Wimberly & Barbour, Churchpoint, graveling 13.033 mi. Hammond-New Orleans Highway, State Project 127, Sect. E, St. John the Baptist Parish, (1) $85,014, from W. C. Perry, Baton Rouge, (3) $61,398 (4) $61,397 (6) $81,852 and (7) $81,852, from A. G. Thomas, Carondelet Bldg., New Orleans, (5) $125,926; also 8.809 mi. above road, Sect. C, Tangipahoa Parish, from W. C. Perry, Baton Rouge, (1) $44,190 (2) $82,906 (3) $30,283 (4) $30,283 (6) $38,294 and (7) $38,294, from Wimberly & Barbour, Churchpoint, (5) $48,403. Noted Oct. 8.

Michigan—State Hy. Comn., at office Comrs. Baraga Co., L'Anse, concrete paving 0.767 mi. Trunk Line Rd. 34-10A, 20 ft., from J. McDonnel, Rockland, $26,934.

Michigan—State Hy. Comn., at office Comrs. Leelanau Co., Leland, Nov. 23, graveling 5.346 mi. Trunk Line Rd. 22-1, 16 ft., from Leelanau Co., Road Comn., Leland, $37,982. Noted Nov. 12.

Michigan—State Hy. Comn., at office Comrs. Saginaw Co., Saginaw, Nov. 23, graveling 5.509 mi. Trunk Line Rd. 18-11 A and B, 18 ft., Midland and Saginaw Counties, from L. P. Larson, Midland, $65,476. Noted Nov. 12.

Tex., Fort Worth — F. V. Lanham, chn. State Hy. Comn., Austin, clearing, grubbing, bridging and paving 6.8 mi. State Highway 1, Federal Aid Project 496, 24 ft. Tarrant Co., from Fuller Constr. Co., Fidelity Union Bldg., Dallas, sheet asphalt on bituminous concrete $322,084, amiesite on bituminous concrete $332,095, hot mix limestone rock $370,084; from Smith Bros., Inc., Sante Fe Bldg., Dallas, hot mix limestone rock asphalt on bituminous concrete, $391,492; from General Constr. Co., Cotton Exch. Bldg., warrenite bitulithic on bituminous concrete, $369,855. Noted Nov. 12.

Okla., Garber—R. Kimmel, city clk., Nov. 16, grading and concrete paving 9,625 sq.yd. Ponca and Seneca Sts., from E. H. Locher, Okmulgee, $31,227. Engrs. est. $32,556. Noted Nov. 12.

Okla., Oklahoma City—Widening Bway. 4 ft. each way, 3,460 sq.yd. concrete paving, 5,260 ft. curbing, etc., from H. M. House, Merrie Garden Bldg., $26,110. Engrs. est. $28,916. Noted Nov. 26.

Calif., Glendale—Improving Allen Ave., Hale St., etc., 203,500 sq.ft. grading, 114,577 sq.ft. 4 in. asphaltic concrete paving, from C. U. Heuser, Box 98, Glendale, approximately $36,500.

Calif., Los Angeles—Supervs. Los Angeles Co. grading, concrete paving, etc., 154,338 sq.ft. Wilmington and Los Angeles Rd., etc., from C. A. Ladeveze, 209 South Elizabeth St., Southgate, $35,697; also grading, concrete paving, etc., 87,376 sq.ft. Anaheim Telegraph Rd., from Griffith Co., Railway Bldg., approximately $42,800. Noted Nov. 19.

Calif., Los Angeles—Los Angeles Co. improving portion of Canal St. (Impvt. 402), involv. 189,694 sq.ft. concrete paving, 5,050 cu.yd. excav., etc., from J. P. Benson, Douglas Bldg., $45,305; also portion of Olive St. (Rd. Dist. Impvt. 276), 315,708 sq.ft. concrete paving, 9,468 cu.yd. excav., 131,967 sq.ft. 5 in. disintegrated granite sub-base, etc., from C. A. Ladeveze, 209 South Elizabeth St., Southgate, $72,489.

CONTRACTS AWARDED

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and permanent asphalt repaving various streets, and sheet asphalt paving East 7th St., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $11,050 and $8,927 respectively; grading, curbing and flagging East 7th St., to A. Di Geronimo, 1974 East 1st St., $3,181; East 28th and 8th Sts., to F. Persicano, 350 Fulton St., $3,585 and $4,489 respectively, 8th St., to G. M. Mandatto, 29 29th St. $5,781 and 19th Ave. to V. Peconi, 152 East 4th St. $1,599; permanent asphalt repaving Flatbush Ave., to Highway Impvt. & Repair Co., 30 Church St., New York City, $73,374; grading and permanent asphalt paving 15th and 19th Aves., to Cranford Co. 52 9th St., $19,295 and $3,162 respectively, 81st St. and 19th Ave., to B. Turecamo Contg. Co., 8706 Bay 12th St., $6,267 and $3,162 respectively. Grand total $144,872. Noted Dec. 3.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Welsh Bros. Contg. Co., 32 Queens St.,

Streets and Roads (Continued)

Astoria, granite block paving Ely Ave. $8,127, sidewalks where necessary on Roosevelt to Grout Aves. $1,920, grading, curbing and sidewalks on 99th St. $4,791, and Lake St. $22,230; to Kennedy & Smith, 93 Amity St., Flushing, grading, regrading, curbing and sidewalks on 40th St. $13,215; to Uvalde Asphalt Paving Co., 1 Bway., New York City, permanent sheet asphalt paving Bleeker St. $12,933, 40th St. $31,230, Grove St. $5,710, 126th St. $9,970, Prospect Ave. $13,808; to Pease Bros., Inc., 57 North Lawrence St., Flushing, grading and sidewalks on Bway. $1,155, and grading, curbing and sidewalks on 130th St., $18,483; to O'Brien & Kurth, 8625 13th St., Jamaica, grading, curbing and sidewalks on 91st St. $10,975; to Sicilian Asphalt Co., 41 Park Row, New York City, permanent sheet asphalt paving 101st St. $10,720; to A. M. Hazell, Inc., 26 Cortlandt St., New York City, beach along ocean front $605,075. Grand total $770,342. Noted Nov. 26.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Vanderbilt Ave. from Bay to Van Duzer Sts., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $90,112. Noted Dec. 3.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, napped granite block repaving Jersey St., to Richmond Paving Co., 48 Hylan Blvd., Rosebank, $7,078. Noted Nov. 19.

North Carolina — State Hy. Hy. Comn., Raleigh, grading and plain concrete paving 7.35 mi. Project 809, Burke Co., to Pennell & Weisiger, Chadbourn, $209,040, and 10 mi. Project 825, Cleveland Co., to Wilson Constr., Rutherfordton, $291,551; clearing and grading 10.2 mi. Project 1990, Wilson Co., to N. L. Teer, Durham, $37,483. Grand total $538,070. Noted Oct. 29.

Florida—State Hy. Dept., Tallahassee, lime rock paving 8.16 mi. Project 19, Hamilton Co., to Duval Eng. & Contg. Co., Jacksonville, Fla. $160,399, and 10 mi. Project 655, Highlands Co., to H. E. Wolfe, St. Augustine, $150,607; grading 15.39 mi. Project 48, St. Johns Co., and 13.81 mi. Project 49, Flagler Co., to A. J. Hoffman, Louisville, Ky., $158,009 and $118,337 respectively, 8.03 mi. Project 663, Citrus Co. and 7.11 mi. Project 679, Hernando Co., to Taylor Contg. Co., Wilsonville, Ala., $78,132 and $66,122 respectively, 17.35 mi. Project 621 Okaloosa Co., to Penton-Mathis Constr. Co., Florala, Ala. $103,225, 8.53 mi. Project 631, Holmes Co., to E. P. Toulmin, Mobile, Ala. $117,582, 14.19 mi. Project 648, Hardee Co., to Federal Contg. Co., Nashville, Tenn. $85,867, 8.21 mi. Project 658, Washington Co., to Meyers Constr. Co., Hattiesburg, Miss. $58,227, and 6.45 mi. Project 682, Citrus Co., to Caye-Andrews Constr. Co., Americus, Ga. $74,578. Grand total $1,171,085. Noted Oct. 22.

Ala., Montgomery — Sheet asphalt surfacing 8 blocks various streets in residential section, 30, 40 and 50 ft., to Hodgson & Jones, 1st Natl. Bank Bldg., $46,728. Engrs. est. $48,000.

Miss., Gulfport—Yellen Bros., 428 Brisbane Bldg., Buffalo, N. Y., improving Gulf Shore Manor, here, 4,200 sq.yd. sheet asphalt paving, 2,800 ft. coping and 140 ft. circular curbing, to Southern Paving Constr. Co., Volunteer Life Bldg., $6,720; 14 lighting standards, to Magin Electric Co., Biloxi, $124 each; and 1,400 ft. 4 in. c.i. water mains and connections, to Hamilton Bros., Gulfport, $2,100.

Ohio—Dept. Highways & Pub. Wks., Columbus, drainage structures, etc., on 4.924 mi. Sect. "C" Dennison-National Rd., Harrison Co., to A. B. Shaw, Delaware, $97,834; grading, bridging and Kentucky rock asphalt surfacing 2.461 mi. Sect. "E" Holgate-Miller City Rd., and 0.343 mi. Sect. "Miller City" same road, both Putnam Co., to D. C. Ingold, McComb, $55,491 and $8,693 respectively. Grand total $162,018. Noted Oct. 15.

O., Cincinnati—Dept. Pub. Serv., granite block repaving Walnut St. between 3rd and Front Sts., to Hannon-Hughes Co., 312 East 8th St., $39,095. Engrs. est. $41,450. Noted Oct. 29.

Mich., Detroit—Dept. Pub. Wks., to M. R. Hanna Co., 2700 Six Mile Rd., grading and 3½ in. sheet asphalt on 8 in. concrete paving 5,470 sq.yd. Exeter Ave. $23,055, 4,230 sq.yd. Carman Ave., $18,225, 5,750 sq.yd. Mapleridge Ave. $24,170, 2,500 sq.yd. Hasse Ave. $10,844, 4,660 sq.yd. Commer Ave., $19,937, 3,450 sq.yd. Charlemagne Ave. $15,499, to Detroit Asphalt Paving Co., 909 Transportation Bldg., 5,320 sq.yd. Girardin Ave. $23,146 and 1,142 sq.yd. Lambert Ave. $5,436; to Otis Cement Constr. Co., 806 Hammond Bldg., 6 in. concrete paving 2,320 sq.yd. Alley 2561 $5,494, 1,930 sq.yd. Alley 2562 $4,513, 1,595 sq.yd. Alley 2563 $3,946, 1,420 sq.yd. Alley 2564 $3,506, 1,300 sq.yd. Alley 2565 $3,150, 710 sq.yd. Alley 2567 $1,749, 500 sq.yd. Alley 2568 $1,276, 1,440 sq.yd. Alley 2570 $3,422 and 174 sq.yd. Alley 2572 $524. Grand total $167,891. Noted Nov. 26.

Ill., Peoria—Bd. Local Impvts., grading, curbing and concrete paving 3 blocks West Republic St., 30 ft., and 0.5 mi. Lincoln Ave., 20 ft., to Hartmann Clark Bros. Co., Dwight, $10,869 and $18,005 respectively. Engrs. ests. $14,363 and $26,436 respectively. Noted July 30 and Aug. 6.

Wis., Sheboygan—City will concrete curb and gutter 50,440 lin.ft. and pave with concrete 103,100 sq.yd. 14 streets, by day labor. C. V. Boley, City Hall, engr.

Kan., Minneapolis—Ottawa Co. improving 4.768 mi. Sect. 3, Federal Aid Project 185, 31,051 cu.yd. excav., 6,127 cu.yd. borrow, etc., to Hall-Hardman Constr. Co., Alton, $18,058; also two 25 ft. and two 50 ft. deck girder bridges, to W. B. Honska, Belleville, $18,219. Noted Oct. 29.

Tex., Coleman—Asphalt on crushed rock paving about 7 blocks Commercial Ave., to J. McCarthy, Marshall, approximately $60,000.

Tex., Henrietta—Clay Co., gravel surfacing 2.5 mi. Henrietta-Jacksboro Rd., and 2.5 mi. Henrietta-Petroleum Rd., to C. H. McClellan, Wichita Falls, $29,781. Engrs. est. $32,000. Noted Dec. 3.

Tex., Sweetwater—M. L. Trammell, city secy., 2 in. warrenite bitulithic on 5 in. concrete paving 31,350 yd. various streets, to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $116,888. Engrs. est. $125,000.

Okla., Tulsa — To Standard Paving Co., 1742 East 6th St., grading, paving, etc. 9,465 sq.yd. Birmingham Ave. and Birmingham Pl., Dist. 672, $36,785; to H. L. Cannady Co., 1122 South Lewis Ave., 1,232 sq.yd. Yorktown Ave., Dist. 673 $6,057, 4,299 sq.yd. 7th St., Dist. 675 $20,240 and 1,299 sq.yd. Lansing Ave., Dist. 679 $5,837; to Western Constr. Co., Daniels Bldg., 1,597 sq.yd. Union Ave., Dist. 674 $8,256, 1,763 sq.yd. Young St., Dist. 676 $7,817 and 310 sq.yd. Seminole St., Dist. 678 $10,279; to E. W. Mead, Sand Springs, 826 sq.yd. Iroquois Ave., Dist. 677, $3,154. Grand total $98,425.

California—State Hy. Comn., Sacramento, (**e. e. means engineers estimate**), concrete paving 6.7 mi. road between Latigo Creek and Las Flores Canyon, Los Angeles Co., to E. Johnson & Sons, 4183 South Normandie Ave., Los Angeles, $209,446, e. e. $231,338; 13.2 mi. road between Camarill and Ventura, Ventura Co., to H. H. Peterson, Spreckels Bldg., San Diego, $323,314, e. e. $362,306; 3 mi. road between Beaumont and Banning, Riverside Co., to G. Herz & Co., San Bernardino, $81,313, e. e. $95,454. Grand total $614,092. Noted Oct. 15 and 22.

Calif., Alhambra — Grading, curbing, sidewalks and 9 in. 3 course asphaltic concrete paving approximately 2½ mi. Valley Blvd., to Hall-Johnson Co., 905 Westminster St., West Alhambra, $279,875.

Calif., Glendale—To C. L. Hill, 516 South Glendale Ave., improving Palmer Ave., Adams and Tyler Sts., 11,710 lin.ft. curbing $0.50 per lin.ft., 25,108 sq.ft. guttering $0.20 sq.ft., 11,761 sq.ft. sidewalk $0.17, 130,242 sq.ft. earth excav. $0.05, and 55,408 sq.ft. 4 in. sphaltic concrete paving $0.18 sq.yd., total approximately $45,815. Engrs. est. $46,216.

Calif., Hawthorne—Curbing, walks, guttering and 4 in. asphaltic concrete paving portions of Rhode Island, Sausal and Bellona Aves., to E. O. Earl, 366 East 58th St., Los Angeles, approximately $58,263.

Calif., Los Angeles — Grading, curbing and concrete paving, etc. San Fernando Mission Blvd., Balboa Ave., etc., to J. Martin, 789 Lyon St., $62,090.

Calif., Los Angeles — Grading, curbing, sidewalks and rock oiled surfacing, etc. 184,173 sq.ft. Aranbe Ave., etc., Impvt. 321, to Pierson & Morris, Bradbury Bldg., $34,995. Noted Nov. 26.

Calif., Los Angeles—Curbing, sidewalks, rock and oil on concrete paving Hub St. between Avenues 51 and 53, to E. M. Le Baron, Bank of Italy Bldg. $90,705, Ivarene Ave. between Vine and Willetta Aves., to J. Farquhar, P. O. Box 454, Lankershim, $25,645, O'Farrell St., to W. W. Mackey, Lane Mortgage Bldg., $92,390; 2 in. Warrenite bitulithic on 5 in. concrete paving Harbor Blvd., to Griffith Co., Railway Bldg., $50,395; curbing, sidewalks and concrete paving Childs Ave. from Scotland to Sunset Blvds., to W. Liddington, 420 East 60th St., $83,700. Grand total $342,835. Noted Nov. 12 and 19.

Calif., Los Angeles—To Southern Pacific Constr. Co., 2813 Glendale Blvd., improving portion of Cahuenga Blvd. (1st unit), approximately 212,000 sq.ft. 10 in. concrete paving $0.275 per sq.ft., 20,000 sq.ft. 5 in. asphaltic concrete paving $0.32, 5,300 ft. heavy curbing $0.60 and 500 lin.ft. gutter $0.30, total approximately $69,000; also to Braun, Bryant & Austin, P. O. Box 477, Inglewood, 1½ in. National on 5 in. concrete paving 81,434 sq.ft. portions of Orlando Ave., $32,735.

Calif., Los Angeles — Los Angeles Co., grading and concrete paving 1.04 mi. portion Lucille St., Road Impvt. 404, to Dudley & Hicks, 2364 Atlantic St., Long Beach, $48,905.

Calif., Manteca — Grading, curbing and 6 in. concrete paving portion of Yosemite Ave., to J. F. Knapp, Turlock, $25,550.

Calif., Martinez—J. H. Wells, clk. Contra Costa Co., grading, curbing, guttering and 3 in. asphalt paving 15,000 sq.ft. Ardmore and Kingstone Rds., etc., to M. Blumenkranz, Farmers & Merchants Bank Bldg., Stockton, $19,238; also grading and 1 mi. concrete paving, etc., in connection with subway under Santa Fe R.R. tracks near Antioch Bridge, to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $54,671.

Calif., Monterey Park — Curbing, sidewalks and concrete paving, etc., 105,000 sq. ft., Hellman Ave., to H. E. Cox, Slavin Bldg., Pasadena, $31,605. Noted Nov. 5.

Calif., San Diego—Common Council, grading, curbing, guttering, sidewalks and concrete paving 216,096 sq.ft. 30th, K and N Sts., to J. Hansen, 3168 J St., $62,510; 220,418 sq.ft. Pearl St., Girard Ave., etc., to E. P. Ford, 4200 Highland Ave., East San Diego, $55,132; 88,653 sq.ft. Belvedere St., Neptune Pl., etc., to H. H. Peterson, Spreckels Bldg., $28,373. Grand total $146,015. Noted Oct. 29.

Calif., San Jose—Grading, curbing, guttering and 1½ in. Durite asphaltic concrete on 3 in. asphaltic concrete paving Shortridge Ave. between 24th and King Sts., to A. J. Granfield, 67 Hoff Ave., San Francisco, $36,379.

Calif., Santa Barbara—Curbing, guttering, 1½ in. asphaltic concrete on 5 in. concrete paving, etc., portions of Castillo St., etc., to A. L. Pendola, 1709 Chapala St., approximately $60,500. Noted July 23.

Ont., Midland—Concrete paving King St., to Brennan Paving Co., 400 Gage Ave., Hamilton. Engrs. est. $35,000. Noted Nov. 12.

Buildings—Industrial

PROPOSED WORK

Mass., Boston — FACTORY — Bay State Furniture Co., Business St., Hyde Park, having plans prepared altering and constructing nine 1 and 2 story additions. To exceed $40,000. Private plans.

Mass., Chelsea (br. Boston) — REPAIR and SERVICE STATION — J. Seeley Co., 115 Park St., having plans prepared by S. S. Eisenberg, 46 Cornhill St., Boston, 1 story, brick, Pearl St. $40,000.

Mass., Hudson—RUBBER FACTORY—Firestone-Apsley Rubber Co., plans 1 story, cement and brick factory. $40,000. Engineer and architect not selected.

Mass., Lynn — TURBO GENERATOR TEST BASE — General Electric Co., Western Ave., having plans prepared 1 story, 40 x 120 ft., rein.-con. turbo generator test base, wood pile foundation. J. G. Trudinger, c/o owner, engr.

R. I., Pawtucket—WEAVING MILL—Royal Weaving Co., Central Ave., J. Ott, agt., plans 100 x 254 ft., brick and steel addition. $500,000.

Conn., M riden—BOILER HOUSE, etc.—Connecticut School for Boys, c/o superintendent, having plans prepared by W. T. Arnold, 34½ West Main St., 1 story rein.-con., brick and steel boiler house, kitchen, laundry, etc., Colony St. $150,000. Noted Sept. 10.

Conn., Norwalk—HAT FACTORY—Norwalk Hat Mfg. Co., Wilton St., having plans prepared 1 story, 82 x 125 ft. rein.-con., brick and steel, plain foundation, School and Wilton St. Private plans.

N. Y., New York—SLAUGHTER HOUSE—New York Stock Yards, Inc., 629 West 40th St., plans 3 story, 100 : 100 ft., rein.-con., brick and steel addition, plain foundation. Engineer and architect not selected.

N. J., Atlantic City—PRESS—W. F. R. Koelle, Archt., Otis Bldg., Phila., Pa., soon lets contract 1 story, 100 x 155 ft. rein.-con. and brick, plain foundation, North Carolina and Caspian Sts. here, for News Publishing Co. $200,000.

Buildings—Industrial (Continued)

W. Va., East Steubenville (mail Wellsburg) — COKE PLANT — Wheeling Steel Corp., Wheeling Steel Corp. Bldg., Wheeling, plans 57 new by-product ovens increasing production capacity from 1,000 to 1,700 tons daily. $1,000,000. Private plans.

North Carolina — FACTORIES — H. Margerum, 1120 Riverside Ave., Trenton, N. J., purchased plant of Erwin Feldspar operations and 10,000 acres of Feldspar mine properties in Mitchell, Yancy and Avery Counties, here, and plans enlarging same, incl. plant at Spruce Pine for manufacture of pottery and pottery products. $800,000.

N. C., Thomasville—FACTORY—Thomasville Bedding Co., plans factory.

Ga., Atlanta—PLANT—Coca Cola Bottling Co., 460 Edgewood Ave., having plans prepared by Lockwood Greene & Co., Healey Bldg., 2 story and basement, 125 x 175 ft., rein.-con. and brick plant. $80,000.

Ga., Valdosta — MANUFACTURING —S. B. Breedlove plans ice cream manufacturing plant. $50,000.

Fla., Clewiston—SUGAR REFINERY—B. D. Dahlberg, pres. Celotex Co., 645 North Michigan Ave., Chicago, Ill., having preliminary sketches made sugar refinery, here. $10,000,000. Smith & Ames, 15 William St., New York City, N. Y., engrs.

Fla., Tampa—PLANT—Atlantic Ice & Coal Corp., Washington St. Viaduct, Atlanta, Ga., plans addition, increasing capacity from 100 tons to 240 tons daily, here.

Fla., Tampa—ICE PLANT—Citizens Ice Corp. plans 60 ton ice plant, North Ave. and Oak St. $75,000.

Fla., Tampa—PLANT—Coca-Cola Wks., Cass and Pierce Sts., plans 2 story, 100 x 200 ft. bottling plant. $100,000.

Tenn., Bristol — HYDRO-ELECTRIC PLANT—Bristol Gas & Electric Co., (subsidiary of City Service Co.—H. L. Doherty & Co., 60 Wall St., New York City), plans hydro-electric plant on Watanga River, here. $500,000.

O., Cleveland — LAUNDRY — Cleveland Sanitary Wet Wash Co., H. H. Wood, mgr., 6202 Central Ave., plans 1 story and basement, brick, steel and concrete, Beckman St. $40,000. Engineer and architect not selected.

O., Cleveland—FACTORY—Ohio Confection Co., N. Friedman, pres., 6110 Grand View Ave., having plans prepared by R. H. Hinsdale, Erie Bldg., 1 story, brick and steel, 6110 Grand Ave. $40,000.

O., Van Wert — CHEESE FACTORY — Monroe Cheese Co., Monroe, N. Y., E. Frey, genl. mgr., had plans prepared by R. R. Graham, 62 North St., Middletown, O., 1 story and basement, 220 x 502 ft., hollow tile and steel, along Cincinnati Northern R.R. tracks, here. $120,000.

O., Wooster—FACTORY—Coxon Beleck China & Illuminating Co. plans 1 story, 50 x 175 ft., brick and steel factory building. $45,000. G. Stone, purch. agt.

Ill., Rock Island—CLOTHING FACTORY —J. L. Taylor Co., 315 South Peoria St., Chicago, having plans prepared by Cervin & Horn, Safety Bldg., 4 story, 60 x 300 ft., rein.-con. and brick, 5th St. between 22nd and 23rd Sts. Project will not be constructed for a year.

Ill., Rock Island — PLANT — Service Rubber Co. having plans prepared by Carvin & Horn, Rock Island, 3 story, 84 x 132 ft., brick and timber, 2nd St. and 15th Ave. $100,000. Project not to be constructed for a year.

Wis., Milwaukee — FACTORY — Plastic Products Co., 123 Reservoir Ave., had plans prepared by A. L. Seidenschwartz, 290 3rd St., 1 and 2 story, 78 x 200 ft., brick and timber, plain foundation, Port Washington.

Wyo., Torrington—SUGAR FACTORY—Wyoming-Nebraska Sugar Co., controlled by Holly Sugar Co., Colorado Springs, Colo., plans 600 to 800 ton sugar factory, here.

Mo., Kansas City—BATTERY FACTORY —Natl. Lead Battery Co., 1704 Roblyn Ave., St. Paul, Minn., having plans prepared 1 and 2 story approximately 100 x 300 ft., rein.-con. addition, 16th and Oakley Sts., here. To exceed $150,000. Private plans.

Tex., Eagle Pass—ICE PLANT—Kifuri Bros. plans ice plant, 15 ton capacity. $50,000.

Tex., Madisonville — REFRIGERATION — Western Pub. Serv. Co., Bryan, plans refrigeration plant, here. $40,000. Private plans.

Tex., Weslaco — ICE PLANT — Valley Electric & Ice Co., c/o S. M. Udden, and Texas Central Power Co., Frost Natl. Bank Bldg., San Antonio, having plans prepared by J. M. Marriott, Frost Natl. Bank Bldg., San Antonio, ice plant addition 20 ton capacity. $70,000.

Okla., Tishomingo — PLANT—Oklahoma Gas & Electric Co., plans 20 ton ice plant and electric system. $100,000.

Calif., Auburn — COLD STORAGE PLANT, etc.—Union Ice Co. made plans ice manufacturing and cold storage plant, rein.-con., 30 ton daily capacity, High St. $60,000. Eng. Dept. of Owners, engrs.

Ont., Lakefield — POWER HOUSE — Canada Cement Co., having plans prepared by Kerry & Chase, engrs., Confederation Life Bldg., Toronto, 2 unit, 16 ft. head, 900 hp. each hydro-electric development, incl. concrete dam, power house, etc. $250,000.

BIDS DESIRED

Mass., Atlantic (Boston P. O.)—MILL—See "Contracts Awarded."

Mass., Boston—REPAIR and SERVICE STATION—Meltzer & Snider, Strathmore Rd., Brookline, taking bids 1 story 135 x 175 ft., rein.-con., Station St. $100,000. S. S. Eisenberg, 46 Cornhill St., Archt.

Mass., Chicopee — FACTORY and STORAGE — Sitary Sausage Mfg. Co. taking bids 2 story and basement, 48 x 102 ft. with 22 x 25 ft. ell, rein.-con., brick and steel, Chester St. $75,000. J. W. Foster, 105 Bridge St., Springfield, archt.

Mass., Dorchester (Boston P. O.) — BAKERY—Massachusetts Baking Co., 65 East Cottage St., taking bids 3 story, 30 x 85 ft., brick addition. $40,000. McFarland & Laurie, 162 Newbury St., Boston, archts.

Pa., Beaver Falls — PLANT — Mayer China Co., taking bids 1 story, 120 x 120 ft. plant addition. $50,000. Private plans.

Wis., Milwaukee—FACTORY—See "Contracts Awarded."

Tex., Victoria—GENERATING PLANT —Victoria Ice & Electric Co., (subsidiary Central Power & Light Co., of which Middle West Utilities Co., 72 West Adams St., Chicago, Ill., is parent concern) taking bids electric generating plant. $500,000. Private plans.

Okla., Haskell—GAS PLANT—See "Contracts Awarded."

Okla., Norman—STORAGE ROOM—See "Contracts Awarded."

BIDS RECEIVED

Minn., Bemidji—HEATING and POWER PLANT, etc.—State Dept. of Administration & Finance, Capitol Bldg., St. Paul, Nov. 30, general contract heating and power plant, also 3 story and basement addition to college, both rein.-con. and brick, at State Teachers College, here, from A. G. Wahl & Son, 616 7th Ave. S., St. Cloud, $98,540. Noted Nov. 26.

CONTRACTS AWARDED

Mass., Atlantic (Boston P. O.)—MILL—Norfolk Woodworking Co., Braintree, will build 1 story, 140 x 260 ft., rein.-con. and steel, wood pile foundation, $225,000. Work will be done by separate contracts. L. S. Joslin, 339 Newbury St., Boston, archt. Noted Oct. 22.

Mass., Clinton—MILL—Roubaix Mills, Inc., 792 Main St., 1 story, 100 x 220 ft., rein.-con. and brick, to Innamorti Bros., 135 Clark St. Archts. est. $75,000.

Mass., Lynn—OXYGEN HYDROGEN—General Electric Co., 920 Western Ave., 1 story, 60 x 100 ft., brick and steel, to C. W. Wright Co., 23 Central Ave. Archt. est. to exceed $40,000.

Conn., Southington — INDUSTRIAL — Peck, Stow & Wilcox, 2 story, brick and steel addition, to H. Wales Lines Co., State St., Meriden.

Pa., Swissvale—FORGE and MACHINE SHOP—Union Switch & Signal Co., general contract, 1 story, 22 x 122 ft. forge and machine shop, to Hughes Foulkrod Co., Stevenson Foster Bldg., Pittsburgh. Archts. est. $40,000.

Del., Wilmington — MACHINE ROOM — Jessup & Moore Paper Co., Commercial Tribune Bldg., Phila., Pa., 39 x 361 ft., concrete, brick and steel addition, Augustine Mills, here, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

Ill., Chicago—FACTORY and STORAGE —J. C. Llewellyn Co., archts., 38 South Dearborn St., masonry contract 3 story, 120 x 123 ft., addition, here, to B. J. Regnell Co., 19 South La Salle St., for Dole Valve Co., 1923 Carroll Ave. $60,000.

Wis., Kenosha — MANUFACTURING — Simmons Co., 160 Exchange St., brick and steel top addition, to A. J. Bennett Co., 38 South Dearborn St., Chicago, Ill. Archts. est. $40,000.

Wis., Milwaukee — FACTORY — Byrne Bros. Co., 3112 Burleigh St., will build 2 story, 34 x 120 ft., brick and timber, plain foundation, 30th St., by day labor. $40,000. Private plans.

Wis., Milwaukee—GARAGE, SALES and REPAIR—G. W. Boller, 370 Brady St., general contract 120 x 143 ft. garage, sales and repair building, 284-288 Farwell Ave., to R. L. Reisinger & Co., 484 Oakland Ave. $100,000.

Ia., Mason City—PLANT—Standard Oil Co., general contract plant, 9th St., to M. M. Moen Co., 818 South President Ave., about $100,000.

Ia., Mason City — STORAGE — J. E. Decker & Sons, general contract 5 story, 60 x 150 ft., concrete and brick, West 14th St. N. E., to M. M. Moen Co., 818 South President Ave., $75,000.

Minn., Montgomery — FACTORY — Minnesota Valley Canning Co. general contract, brick and concrete factory, to J. B. Nelson Constr. Co., 403 Belgrade Ave., Mankato, approximately $150,000.

Neb., Omaha—ICE PLANT—City Ice & Fuel Co., 1935 Euclid Ave., Cleveland, O., remodeling and constructing 2 story and basement addition, 13th and Chicago Sts., here, to Parsons Constr. Co., Burgess-Nash Bldg., $50,000. Noted Nov. 26.

Okla., Haskell—GAS PLANT—Oklahoma Natural Gas Co., 117 West 4th St., Tulsa, will rebuild natural gas compressor plant, incl. five 600-hp. engines and compressors, etc., recently destroyed by fire, here, by day labor. $75,000. A. W. Lee, Tulsa, engr.

Okla., Norman — STORAGE ROOM — Norman Milling Co. will build 15 ton capacity storage room addition to ice plant, etc., by day labor. $50,000. F. Cobb, Norman, engr.

Calif., Fresno — FREIGHT DEPOT — Atchison, Topeka & Santa Fe R.R., 1001 3rd St., San Francisco, (1st unit) 2 story and basement, 48 x 70 ft., rein.-con., here, to Sumner-Sollitt Co., Delta Bldg., Los Angeles, $50,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — GARAGE — Park Sq. Garage, Inc., c/o Natl. Engr. Corp., constr. mgrs., 40 Central St., having preliminary sketches made about 250,000 sq.ft. floor space, rein.-con. garage. Engineer and architect not selected. This corrects report in Nov. 26 issue.

Mass., Boston—HEALTH UNIT—City, G. E. White Fund, City Hall, having sketches made by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., 3 story and basement, 55 x 85 ft. brick, limestone and granite, plain foundation, Dorchester St. between Gold and West 4th Sts. $250,000.

Mass., Boston — HOSPITAL — Massachusetts General Hospital having plans prepared by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., 13 story and basement, brick, Fruit St. $1,000,000. Noted Oct. 1.

Mass., Brockton—MARKET—City, c/o Funk & Wilcox, archts., 26 Pemberton Sq., Boston, having plans prepared 2 story, brick and stone, Main and Winthrop Sts., here. $250,000.

Mass., Brookline (br. Boston)—APARTMENT — Eleven Hundred and Ninety Beacon St. Trust, c/o C. Newhall, 73 Tremont St., Boston, having plans prepared by H. A. Perkins, 5 Joy St., Boston, 8 story and basement, 30 x 160 ft., brick and steel apartment. $200,000.

Mass., Cambridge (Boston P. O.) — STOREHOUSE—Houghton & Dutton Co., Tremont St., Boston, plans storehouse, here. To exceed $150,000. Engineer and architect not selected.

Mass., Lowell — HOSPITAL — Lowell General Hospital, J. F. Sawyer, treas., having preliminary sketches made by Kendall, Taylor & Co., 142 Berkley St., Boston, 2 story and basement hospital. To exceed $150,000.

Mass., Somerville (Boston P. O.) — APARTMENT—H. F. Lilley, 21 Elmwood Park, Malden, having sketches made by C. F. Springall, 50 Concord Ave., Malden, 7 story and basement, brick, here. $200,000.

N. Y., Brooklyn — APARTMENT — Shampan & Shampan, engrs. and archts., 188 Montague St., preparing plans 110 x 210 ft., brick, steel and stone, plain foundation, Ocean Ave. near Avenue I. $800,000. Owner's name withheld.

N. Y., Brooklyn — HOSPITAL — Coney Island Hospital, Ocean Parkway soon takes bids brick steel and stone addition, plain foundation. $1,000,000. Dodge & Morrison, 160 Pearl St., New York City, engrs. and archts.

N. Y., Brooklyn — HOSPITAL — Kings Co. Hospital, Clarkson St., soon takes bids brick, steel and stone addition, plain foundation, Clarkson St. $1,000,000. Dodge & Morrison, 160 Pearl St., New York City, engrs. and archts.

N. Y., Brooklyn—HOTEL—Independent Assets Corp., 885 Flatbush Ave., plans 15 story, brick, steel and stone, plain foundation. $1,000,000.

N. Y., Brooklyn — Y. W. C. A., 3rd and Schermerhorn St., having sketches made by F. L. Ackerman, engr. and archt., 25

Buildings—Commercial (Continued)

West 44th St., New York City, brick, steel and stone plain foundation, 3rd and State Sts., here. $300,000.

N. Y., New York — APARTMENT — S. Schack, c/o Moore & Landseidel, engrs. and archts., 148th St. and 3rd Ave., having plans prepared brick, steel and stone, plain foundation, Macomb Rd. $1,000,000.

N. Y., New York—APARTMENT—Yuni Bros., Inc., c/o B. Sackheim, engr. and archt., 166 Montague St., Brooklyn, having plans prepared 5 story, brick, steel and stone, plain foundation, 172nd St. and Metcalf Ave., here.

N. Y., New York—APARTMENT—One Thousand Eighty One Park Avenue Corp., c/o Schwartz & Gross, engrs. and archts., 347 5th Ave. having plans prepared 15 story, 100 x 100 ft. brick, steel and stone, plain foundation, 1081 Park Ave. $1,000,000.

N. Y., New York — HOSPITAL — Bronx Hospital, Fulton Ave., having plans prepared by L. A. Abramson, engr. and archt., 46 West 46th St., brick, steel and stone addition, plain foundation. $750,000.

N. Y., New York—LOFT—P. Glickman, c/o Shampan & Shampan, engrs. and archts., 188 Montague St., Brooklyn, having plans prepared 25 story, brick, steel and stone, plain foundation, 309 7th Ave., here. $2,500,000.

N. Y., New York — LOFT — Three Hundred Seven West 34th Street Inc., c/o H. I. Oser, engr. and archt., 1449 Bway., having plans prepared 18 story, 100 x 150 ft. brick, steel and stone, plain foundation, 307 West 38th St. $1,500,000.

N. Y., New York — PRINTING and PUBLISHING — New York American and Evening Journal, 238 Williams St. plan three printing and publishing plants, incl. 7 story, 200 x 200 ft. 11th Ave. and 54th St., 4 story, South and Water Sts., and 113 x 141 ft., 149th St. and Mott Ave. all rein.-con., concrete pile foundations. Engineer and architect not selected.

N. J., Jersey City—APARTMENT—One Hundred Thirty-Five Belmont Ave., Inc., c/o Dodge & Morrison, engrs. and archt., 60 Pearl St., New York City, having plans prepared 9 story, brick, steel and stone, plain foundation, Bergen and Belmont Aves., here. $350,000.

Fla., Miami—J. E. Junkin, Jr., pres. of Directors Y. M. C. A. plans 8 story, 150 x 270 ft., Northwest 1st St. and River Dr. $1,000,000.

Fla., Sebring—BANK—Highlands Bank & Trust Co., having plans prepared by F. A. Bishop, Sebring and Richmond, Va., 9 story, on site of old bank and office building. $250,000.

Fla., West Palm Beach — GARAGE — H. F. Byan c/o B. Kitchell, archt., West Palm Beach, plans 8 story, 140 x 150 ft., brick, steel and rein.-con. garage. $500,000.

O., Cleveland — COMMERCIAL — One Hundred and Seven Fairmount Co., c/o D. E. Wilcox, realty operator, State Bank Bldg., having plans prepared by A. M. Allen & Co., 7016 Euclid Ave., 2 story and basement, brick nad steel, Carnegie Ave. and Fairmount St. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — Greenwich Realty Co., 3391 East 134th St., had plans prepared by L. Skolnik, Auditorium—Garage Bldg., 3 story and basement, 56 x 183 ft., brick commercial and apartment. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — A. Linsky, 3060 Berkshire Rd., Cleveland Heights, had plans prepared by M. Weis, Union Bldg., 3 story and basement, 80 x 159 ft., brick, East 138th St. $150,000.

O., Columbus — OFFICE — State Legislature plans office building, from 3rd St. south of Capital St. to Lazell St. $4,000,000. V. Donahey, gov.

O., East Cleveland (Cleveland P. O.)—THEATRE—The Eucor Realty Co., c/o F. S. Jones, pres., Guardian Bldg., Cleveland, purchased site and plans 1 story, brick, steel and concrete, of 2,500 seating capacity, Euclid and Superior Aves., here. Engineer and architect not selected.

O., Uhrichsville — COMMERCIAL and HOTEL — Syndicate of Investors, c/o P. T. Cahill, archt., 4502 Prospect Ave., Cleveland, having preliminary plans prepared 2 story and basement, concrete, brick and steel, here. $200,000.

Ind., Gary—CITY HALL—City Bd. of Wks. having plans prepared by G. W. Maher, 157 East Erie St., Chicago, Ill., 3 story and basement, 75 x 170 ft., brick, steel and rein.-con., concrete pile foundation, 4th St. $500,000.

Mich., Detroit — APARTMENT — I. M. Lewis, archt., 503 Congress Bldg., takes bids about Dec. 23, 4 story and basement, 124 x 128 ft., rein.-con., brick and steel, plain foundation, Dumbarton Rd., for M. Tertel, 1058 Penobscot Bldg. $200,000.

Mich., Detroit—APARTMENT—J. Berman, 1314 Dime Bank Bldg., having plans prepared by C. N. Agree, 1133 Book Bldg., 4 story and basement, 86 x 144 ft., rein.-con., brick and stone, plain foundation, Ohio Ave.

Mich., Detroit—HOTEL—S. Plotkin, 604 Lafayette Bldg., had plans prepared by Pollmar & Ropes, 703 Hoffman Bldg., 4 story and basement, 85 x 165 ft., brick and timber, plain foundation, Lafayette and Hubbard Aves.

Mich., Detroit — OFFICE — Stormfeltz Lovely Co., Washington Blvd., having plans prepared by A. Kahn, 1000 Marquette Bldg., 6 story, rein.-con., brick and steel, Woodward and Grand Blvd. $300,000.

Ill., Chicago — APARTMENT — F. T. Hoyt and associates, 160 North La Salle St., having plans prepared by A. L. Alschuler, 38 East Jackson Blvd., 15 story and basement, about 104 x 115 ft., rein.-con. and steel, 1209-1217 Astor St.

Ill., Chicago—CLUB—Chicago Journeymens Plumbers Union, Room 701, 64 West Randolph St., takes bids about Dec. 10, 3 story, 135 x 175 ft., rein.-con., brick and steel, incl. auditorium, etc., 1340-1350 West Washington Blvd. $300,000. J. F. Denson, 720 North Michigan Ave., archt.

Ill., Chicago—CLUB—Medinah Athletic Club, T. J. Houston, pres., 11 South La Salle St., having preliminary sketches made 34 story, 100 x 150 ft. club building, incl. swimming pool, gymnasium, etc., Illinois St. and North Michigan Blvd. $6,000,000. Engineer and architect not selected.

Ill., Chicago — HOSPITAL — Poor Hand Maids of Jesus Christ, 4900 Thomas St., having preliminary sketches made by H. J. Gaul, 228 East Superior St., and takes bids about Feb. 1, 4 story hospital on 10 acre site, Lavergne and Lamon Aves., West Division and Thomas Sts. $1,000,000.

Ill., Chicago—HOTEL—W. A. Morrow & Co., archts., 6 North Michigan Ave., take bids about Dec. 20, 11 and 16 story, 54 x 75 ft., rein.-con., brick and stone, plain foundation, 4238-4240 Bway., for C. H. Lundberg, Room 707 Westminster Blvd. $400,000.

Ill., Chicago—HOTEL—L. C. Cohen and associates, 139 North Clark St., having preliminary sketches made by E. J. Meles, 109 North Dearborn St., and takes bids about Feb. 1, 14 story, 109 x 150 ft. hotel, Rush and Ontario Sts. $1,500,000.

Ill., Libertyville—THEATRE and STORE—Oppenhamer & Obel, archts., 503 Bollin Bldg., Green Bay, Wis., take bids about Dec. 9, 2 story and basement, 109 x 145 ft., concrete, brick, stone and terra cotta, here, for C. Gridley, c/o 1st Natl. Bank Bldg. $150,000. Noted Oct. 29.

Ill., Peoria—HOTEL—Hewitt & Emerson, archts., 1600 Peoples Life Bldg., takes bids about Dec. 16, Pere Marquette Hotel, 13 story and basement 123 x 171, rein.-con., brick and Bedford stone, concrete pile foundation, Main and Madison Sts. for E. C. May, et al, $1,500,000. Noted Aug. 6.

Wis., Fond du Lac—COURTHOUSE—Fond du Lac Co., c/o D. O'Rourke, chn. building com., 1006 Minnesota Ave., North Fond du Lac, having plans prepared by F. J. Stepnoski, Forest St., 2 story and basement, concrete and sandstone addition, plain foundation, here. $150,000.

Wis., Kenosha — STORE and APARTMENT—D. M. Korf, 217 Main St., having preliminary plans prepared by C. O. Augustine, Commercial Bank Bldg., 3 story and basement, 120 x 128 ft., brick and concrete, plain foundation, Sheridan Rd. $150,000.

Wis., Oshkosh—BANK and OFFICE—First Natl. Bank, Main and Washington Sts., had plans prepared by Hoggson Bros., 38 South Dearborn St., Chicago, Ill., 3 story and basement, 94 x 125 ft., stone and concrete, plain foundation, Main St. $300,000.

Wis., Whitefish Bay (Milwaukee P. O.)—HOTEL—G. H. Gottscholk & Co., 111 West Washington St., Chicago, Ill., having sketches made by Fridstein & Co., 111 West Washington St., Chicago, Ill., approximately 5 story hotel, known as Highland Beach, here. $2,000,000. Noted Oct. 29.

Minn., Ely — CITY HALL — City, c/o A. O. Knutson, city clk., having plans prepared by J. C. Taylor, Ely, probably 3 story and basement, rein.-con. and brick city hall. $150,000.

Minn., St. Paul—CHEMISTRY—State Bd. Administration & Finance, Capitol Bldg., having plans prepared by C. H. Johnston, 715 Capitol Bldg., 3 story and basement, rein.-con., brick and stone, for University of Minnesota. $250,000.

Kan., Lawrence — AUDITORIUM — Kansas University, c/o T. J. O'Neil, bus. mgr., having preliminary plans prepared by C. D. Cuthbert, State House, Topeka, 170 x 230 ft., 6,700 seating capacity, rein.-con. and stone auditorium. $250,000.

Neb., Omaha—PASSENGER STATION—Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, Ill., having plans prepared by W. T. Krausch, 547 West Jackson Blvd., remodeling and constructing addition, 10th and Mason Sts. $500,000.

Mo., Kansas City—OFFICE, BUSINESS and THEATRE—Midland Theatre & Realty Co., having plans prepared by Boller Bros., Huntzinger Bldg., Kansas City, and T. W. Lamb, 644 8th Ave., New York City, N. Y., 5 story (ultimately 12 story) and basement, 140 x 240 ft., fireproof, 13th St. between Baltimore and Main Sts. $3,000,000.

Mo., Kansas City — SHOP and APARTMENT — B. L. Hoffman, of B. L. Hoffman Investment & Constr. Co., 223 East 9th St., having plans prepared 6 story and basement, 125 x 200 ft., rein.-con., plain foundation, Main St. To exceed $150,000. Private plans.

Mo., St. Louis — THEATRE — H. Chouteau, International Life Bldg., having preliminary plans prepared by H. C. Kirschner, International Life Bldg., 2 story and basement, 50 x 150 ft., rein.-con., brick, stone and terra cotta, Delmar Blvd. near Grand Ave. $150,000.

Mo., St. Louis—THEATRE, STORE and APARTMENT—Sogoloff Bros., 1747 Park Ave., having preliminary plans prepared by Kennerly & Stegemeyer, Title Guaranty Bldg., 2 story and basement, rein.-con., brick and stone, 18th St. and Park Ave. $150,000. W. Goldman, c/o Kings Theatre, Kingshighway near Delmar Blvd., lessee.

Tex., San Antonio — HOTEL — Smith Bros. Development Co., Crockett and Amer. Express Bank Bldg., Dallas, having plans prepared by A. B. and R. M. Ayres, Bedell Bldg., 12 story, 135 x 145 ft., rein.-con., brick and stone, plain foundation, St. Marys and Villita Sts., here. $700,000. Noted Nov. 12.

Tex., Wichita Falls — HOTEL — M. Marchman, c/o Sorey & Vahlberg, archts., Baniff Bldg., Oklahoma City, Okla., having plans prepared 4 story and basement, 75 x 150 ft., rein.-con. and brick, here. $150,000.

Okla., Wewoka—STORE—Wewoka Trading Co. having preliminary plans prepared and soon takes bids rebuilding 2 story and basement, 90 x 140 ft., brick, plain foundation, Cedar St., recently destroyed by fire. $150,000. C. G. Cutlip, Wewoka, engr.

Calif., Balboa—APARTMENT and CLUB—Southern Seas Club, c/o Ruoff & Munson, archts., Story Bldg., Los Angeles, having plans prepared 8 story and basement, 160 x 225 ft., rein.-con., Balboa Beach. To exceed $500,000.

Calif., Beverly Hills — THEATRE, STORE and HOTEL—A. C. Murphy, c/o Engstrum Co., designers, 1564 North Western Ave., Los Angeles, having plans prepared 6 story, rein.-con. theatre, store and hotel. To exceed $150,000.

Calif., Oakland—ADMINISTRATION—Plans fireproof administration building, for Bd. Educ. $175,000-$200,000.

Calif., Riverside — AUDITORIUM — Voted $200,000 bonds municipal auditorium.

Calif., San Diego — HOME — San Diego Co., had plans prepared by C. Quayle, Spreckels Bldg., fireproof tubercular ward, detention and old peoples homes. $400,000.

Calif., San Francisco—APARTMENT—E. V. Lacey, 180 Jessie St., having plans prepared by J. C. Hladik, Monadnock Bldg., 6 story and basement, rein.-con., Leavenworth St., near Pine St. $150,000.

Calif., San Francisco—THEATRE and STORE—A. Levin, c/o Reid Bros., archts., 105 Montgomery St., having sketches made, 100x120 ft., 1,000 seating capacity, 24th and York Sts. $225,000.

BIDS DESIRED

Mass., Boston—APARTMENT—See "Contracts Awarded."

Mass., Dorchester (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Newton (Ind. br. Boston) — STORE and OFFICE — Central Railway Signal Co., 230 Boylston St., Boston, taking bids 2 story and basement, 65 x 100 ft., brick and stone, plain foundation, Centre St. $150,000. S. D. Hayden, 77 Highland Ave., Newtonville, archt.

Mass., Revere — THEATRE — Crescent Garden's, Inc., c/o W. A. Dykeman, archt., 15 Exchange St., Boston, taking bids altering and constructing 2 and 3 story and basement, brick and timber addition. $150,000.

Conn., New Haven — BUSINESS — See "Contracts Awarded."

Conn., South Norwalk—THEATRE—H. Goodwin, 16 Spring St., taking bids 1 story and basement, brick, steel and terra cotta, Washington St. $200,000. A. S. Meloy, 2965 Main St., Stratford, archt. Noted Nov. 19.

N. Y., New York — APARTMENT — See "Contracts Awarded."

Buildings—Commercial (Continued)

N. J., Newark—SALES and SERVICE—Bonnell Motor Co., 97 Washington St., taking bids 2 story and basement, rein.-con., Washington St. To exceed $150,000. Monks & Johnson, 99 Chauncy St., Boston, Mass., archts.

Pa., Pittsburgh—SALES and SERVICE—Eric Fisher Wood & Co., archts., Olive Ave. and Smithfield St., taking bids 2 story and basement, 106 x 150 ft., brick and steel, Center Ave., for F. D. Saupp, Inc., Center Ave. $150,000. Noted Sept. 3.

Pa., Steelton—MUNICIPAL—Dec. 18, by Boro., at Office Boro. Secretary, 114 Walnut St., municipal building and approach. C. J. Lappley, Parkside Bldg. 2nd and Locust Sts., Harrisburg, archt.; adv. E. N.-R. Dec. 10.

D. C., Wash.—Dec. 15, by A. B. Heaton, archt., 1211 Connecticut Ave. N. W., for recreation, administration and educational building for Y. W. C. A.

Fla., Miami Beach—CLUB—Dec. 19, by Carl G. Fisher Organization, c/o Schultze & Weaver, archts., 17 East 49th St., New York City, N. Y., Argonaut Club on La Gorce Island, North Miami Beach, here. $1,500,000. Noted Dec. 3.

La., New Orleans — OFFICE and GARAGE — Dec. 22, by W. E. Spink, archt., Canal-Commercial Bldg., superstructure Pere Marquette Bldg., 18 story, brick and terra cotta, Baronne and Common Sts., and 6 story garage in rear, here, for Chicago Syndicate, composed of E. M. Loeb, J. S. Joy, et al. Noted April 2.

O., Cleveland — APARTMENTS — S. J. Arnstine, 3384 East 134th St., taking bids two 2 story and basement, 78 x 82 ft., brick, East 133rd St. $160,000. L. Skolnik, Auditorium-Garage Bldg., archt.

Mich., Detroit — HOTEL — Bonnah & Chaffee, archts., 300 Barlum Bldg., taking bids 21 story and basement, 100 x 120 ft., rein.-con., brick and steel, caisson foundation, Cadillac Sq., for J. J. Barlum, 206 East Grand River St. $2,500,000.

Mich., Detroit—THEATRE—H. Brown, 1674 Atkinson Ave., taking bids 2 story and basement, 102 x 120 ft., rein.-con. and brick, plain foundation, Lawrence Ave. and Dexter Blvd. Kohner & Payne, 1402 Kresge Bldg., archts.

Mo., St. Louis—HOSPITAL—Dec. 15, by LeBeaume & Klein, archts., Compton Bldg., 8 and 10 story and basement, 90 x 150 ft., rein.-con., brick and stone, Kingshighway Blvd., for St. Louis Maternity Hospital, 4518 Washington Ave. Noted Sept. 24.

Tex., San Antonio—THEATRE—Dec. 15 (extended date), by W. J. Lytle, Princess Theatre Bldg., 5 story and basement, rein.-con., brick, steel and stone, plain foundation, Houston St., for San Antonio Amusement Co., and Famous Players-Lasky Corp., 485 5th Ave., New York City. $1,500,000. Boller Bros., 114 West 10th St., Kansas City, Mo., engrs. and archts. Noted Dec. 3.

Calif., Pasadena—CITY HALL—Jan. 4, by City Directors, 3 story and basement, 50x352 ft. main section 100x100 ft. dome, 200 ft. high and two 63x188 ft. wings, brick, steel and rein.-con. city hall. $1,000,000. Bakewell & Brown, 251 Kearny St., San Francisco, archts.

Calif., San Diego—HOSPITAL—Dec. 21, by San Diego Co., 5 story fireproof addition. $180,000 or more. C. Quayle, Spreckels Bldg., archt.

BIDS RECEIVED

Calif., Pasadena — LODGE — Pasadena Lodge, Free and Accepted Masons, general contract 3 story and basement, South Euclid Ave., from J. H. Simpson, 548 South Raymond Ave., approximately $130,000. Noted Aug. 7, 1924.

CONTRACTS AWARDED

Mass., Boston — APARTMENT — Two Hundred and Fifty Commonwealth Ave. Trust, c/o G. N. Jacobs, archt., 4 Park St., will build 5 story and basement, brick and limestone, 248-250 Commonwealth Ave. To exceed $200,000. Work will be done by separate contracts.

Mass., Boston — WAREHOUSE — Boston Wharf Co., 259 Summer St., 2 story and basement, 75 x 120 ft., brick and timber, 27-33 Stillings St., to J. M. and C. J. Buckley Co., 164 Federal St. Archts. est. $150,000.

Mass., Dorchester (Boston P. O.) — APARTMENT—L. Glazer, 84 Shawmut St., Chelsea, will build 3 story and basement, 60 x 200 ft., brick, 145-149 Intervale St., here, by day labor. $200,000. M. M. Kalman, 950 Old South Bldg., Boston, archt.

Mass., Orange — STORAGE — Minute Tapioca Co., 4 story, 100 x 165 ft., rein.-con., to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston.

Mass., Somerville (br. Boston)—BANK—Somerville Trust Co., G. M. Barnum, pres., 1 story and basement, rein.-con. and brick, School St. and Bway., to F. C. Alexander, 294 Washington St., Boston. Archts. est. $150,000.

Mass., Worcester — THEATRE — E. W. Norton, archt., 44 Pearl St., 3 story, 52 x 191 ft., brick and steel, Elm St., to F. T. Ley Co., 230 Boylston St., Boston, for H. Steinberg. Noted Oct. 22.

R. I., Newport—CITY HALL—City, 3 story and basement, brick, steel and stone, Bway., to R. A. Smith, 28 Bellevue Ave., $185,943. Noted Nov. 5.

R. I., Providence—STORE, THEATRE and OFFICE—J. Conn, City Theatre, Weybosset St., brick and steel store, to W. E. Randall, New Fenner St.; foundation for office and theatre, to Mahoney & Tucker, 72 Weybosset St. Archts. total est. $500,000. Noted Sept. 17.

Conn., Hartford—BANK—Society of Savings, 31 Pratt St., brick, stone and steel, to R. F. Jones Co., 36 Pearl St. Archts. est. $250,000.

Conn., Hartford—FIRE STATION—Bd. Contr. & Supply, Municipal Bldg., 3 story, 50 x 150 ft., brick and steel, Pearl St., to S. C. Poriss, 54 Church St., $217,287. Noted Nov. 26.

Conn., New Haven—BUSINESS—Sherman Constr. Co., 157 Winthrop Ave., will build 2 story and basement, 170 x 200 ft. rein.-con., brick and steel, plain foundation, George and Commerce Sts., $150,000. Work to be done by separate contracts. L. J. A. Julianelle, 59 Asylum St. archt. Noted Nov. 12.

Conn., Winsted—THEATRE—J. E. Panora, 247 North Main St., 2 story, rein.-con., brick and steel, plain foundation, to J. F. Carey, 145 Prospect St. Archts. est. $125,000 to $150,000.

N. Y., Brooklyn — CLUB HOUSE — McKim, Mead & White, archts., 101 Park Ave., New York City, 12 story, 162 x 185 ft. brick and steel and stone, plain foundation, Boerum Pl., Schermerhorn and Livingston Sts., here, to M. C. Gredennick Co., 25 West 45th St., New York City, for B. P. O. E. Lodge 22, South Oxford St., $2,804,000. Former contract rescinded. Noted Nov. 26.

N. Y., New York—APARTMENT—H. J. Holding Co., c/o C. S. Clark, engr. and archt., 443 East Tremont Ave., will build 6 story, brick, steel and stone, plain foundation, St. Anns Ave., by day labor. $300,000.

N. Y., New York—APARTMENT—Ivy Constr. Co., c/o L. A. Abramson, engr. and archt., 46 West 46th St., will build 9 story, 75 x 90 ft. rein.-con., steel and stone, plain foundation, 206 West 78th St. by day labor. $300,000.

N. Y., New York—STORE and LOFT—Waco Co., Ltd., 33 West 47th St., 7 story, brick, steel and stone, plain foundation, 16 East 53rd St., to W. T. Murphy, 327 West 27th St. Archts. est. $200,000.

N. J., Burlington—BANK—H. A. Brown, archt., Burlington, 2 story, basement, and mezzanine, rein.-con., steel and stone, plain foundation, High and Broad Sts., to H. B. Miller, Edgewater Park, for Mechanics Natl. Bank. Archt. est. $150,000. Noted Nov. 19.

Pa., Allentown—HOTEL—Lehigh Hotel Corp., c/o Kaeppel & Kester, 6th and Linden Sts., Lehigh Hotel, 8 story and basement, 110 x 150 ft., rein.-con., brick and steel, plain foundation, to Barras Constr. Co., 17th and Locust Sts. Phila. Archts. est. $1,200,000.

Pa., Phila. — OFFICE — Perry, Shaw & Hepburn, archts., 177 State St., Boston, Mass., general contract 14 story and basement, 93 x 98 ft., rein.-con., brick and steel, plain foundation, 1409-15 Arch St., to Murphy Quigley Co., 1524 Sansom St., for United Gas Impvt. Co., Broad and Arch Sts. Archts. est. $1,000,000. Noted Nov. 12.

Pa., Phila. — SALES and SERVICE — P. S. Tyre, archt., 14 South 15th St., 4 story and basement, 200 x 265 ft., rein.-con., brick and steel, plain foundation, 3221-39 North Broad St., to Turner Constr. Co., 1713 Sansom St., for Packard Motor Co., 319 North Broad St. Archts. est. $1,000,000. Noted Nov. 26.

Md., Baltimore — APARTMENT — One Hundred University Parkway Apartment Corp., W. G. Nolting, pres., Keyser Bldg., 9 story and basement, rein.-con., brick and steel, plain foundation, University Parkway and Canterbury Rd., to Consolidated Eng. Co., 20 East Franklin St., $1,000,000. Noted Dec. 3.

Md., Baltimore — DISPENSARY — J. E. Sperry, archt., Calvert Bldg., 8 story and basement, 169 x 238 ft., rein.-con., brick and steel, plain foundation, monument near Wolfe St., to M. A. Long Co., 10 West Chase St., for Johns Hopkins Hospital, $1,190,000. Noted Oct. 29.

W. Va., Buckhannon — HOTEL — Buckhannon Hotel Co., 4 story hotel, to Bank & Brauneck, Boyd Bldg., Charleston, $154,000.

N. C., Greensboro—Y. M. C. A., 4 story and basement, 112 x 165 ft., brick and limestone, Market St., to W. P. Rose, Goldsboro, $220,000.

Fla., Palm Beach — HOTEL — Florida East Coast Hotel Co., New Breakers Hotel, 9 story, steel and concrete, to Turner Construction Co., 242 Madison Ave., New York City, N. Y. $3,000,000. Noted Oct. 29.

Fla., Tampa — HOTEL — Pulver Plant Hotel Co., hotel. Lafayette St., to Logan Bros., Citizens Bank Bldg., $2,050,000.

O., Cleveland—APARTMENT—T. Malbin, 3013 East 55th St., two 3 story and basement, 32 x 94 ft., brick apartment buildings, 15446 Lake Shore Blvd., to Winer Bros., 3337 East 135th St. Archts. est. $150,000.

Ill., Chicago—APARTMENT, THEATRE and STORE — S. J. Gregory, Hammond, Ind., general contract 3 story, 132 x 150 ft., fireproof, West 25th St. and South 53rd Ave., here, to R. Levine & Co., 820 West 70th St. Archts. est. $1,000,000.

Ill., Chicago—HOTEL—R. Matteson, 565 Diversey Parkway, carpentry and masonry contract 15 story and basement, 104 x 119 ft., rein.-con. and brick, Webster and Sedgwick Sts., to A. Lindstrom, 77 West Washington St. Archts. total est. $2,000,000. Noted Oct. 8.

Ill., Danville — APARTMENT — J. Maloney, 5 story and basement, 40 x 110 ft., concrete and brick, North Vermillion St., to O. Hickman, 1023 Grant St. Archts. est. $150,000.

Minn., Minneapolis—STORE—E. Quinlan Realty Co., 513 Nicollet Ave., general contract superstructure 2 and 5 story, basement and sub-basement, 157 x 215 ft., rein.-con., brick, tile and stone, 9th St. and Nicollet Ave., to J. Leck Co., 211 South 11th St. Archts. total est. $1,000,000. Noted Aug. 6.

Tex., San Antonio—TEMPLE—Temple Beth-El Church, c/o E. Frisch, 2 story and basement, 88 x 125 ft., rein.-con., tile and stucco, plain foundation, Ashby and Belknap Sts., to J. C. Dielmann Constr. Co., 306 East Commerce St., $275,000. Noted Aug. 20.

Calif., Los Angeles—HOTEL—Stein & Jacobowitz, 5 story and basement, 44 x 120 ft., brick, Bixel St., to Callahan & Sons, Edwards-Wildey Bldg.

Calif., San Bernardino — COURTHOUSE — San Bernardino Co., 4 story, 84 x 296 ft., stone and rein.-con., to Wescott Co., 701 South Garfield St., Alhambra, $342,000. Noted Nov. 12.

Calif., San Francisco — HOTEL — California-Mason Realty Co., 15 story and basement, brick and terra cotta, Mason St. between Pine and California Sts., to MacDonald & Kahn, 130 Montgomery St., $4,500,000-$5,000,000.

Calif., San Jose—BANK and OFFICE—Bank of Italy, Powell and Market Sts., San Francisco, 12 story and basement, rein.-con., 1st and Santa Clara Sts., to McDonald & Kahn, 130 Montgomery St., $740,750. Noted Dec. 3.

Buildings—Educational, Religious

PROPOSED WORK

Me., Rumford—NURSES HOME—Rumford Community Hospital, F. L. Latham, chn., having plans prepared by Rogers & Dion, 142 Berkley St., Boston, 2 story and basement, brick, Franklin St. $150,000.

N. H., Durham—COLLEGE—University of New Hampshire having preliminary plans prepared by E. T. Huddleston, Durham, 3 story, brick addition. $225,000. Noted Nov. 5.

Vt., Woodstock—PARISH HOUSE—St. James Rectory, L. Ames, pastor, having plans prepared by E. Q. Sylvester, 80 Beacon St., Boston, 2 story and basement, brick parish house. $150,000.

Mass., Boston — CHURCH — Episcopal City Mission, 68 Tremont St., E. J. Dennen, archdeacon, 1 Joy St., having sketches made 1 story and basement, brick and stone, Pembroke St. and Shawmut Ave. $150,000. Private plans.

Mass., Boston—SCHOOL—City Schoolhouse Dept., City Hall, having sketches made by Walker, Walker & Kingsbury, 120 Boylston St., 2 story and basement, brick and limestone addition, Staniford St. $400,000.

Mass., Brighton (Boston P. O.) — SCHOOL — City, Schoolhouse Dept., City

Buildings—Educational, Religious (Cont.)

Hall, Boston, having plans prepared by Fay, Spofford & Thorndike, 200 Devonshire St., Boston, 1 story and basement, brick and limestone, here. $150,000.

Mass., Newton (Ind. br. Boston)—HOME—Baptist Home, 308 Brookline St., Cambridge, raising $500,000 funds and having sketches made by Kendall, Taylor & Co., 142 Berkley St., Boston, 3 story and basement, brick, Lake St., here.

Mass., South Boston (Sta. Boston) — SCHOOL — City, Schoolhouse Dept., City Hall, Boston, having plans prepared by F. I. Cooper Corp., 178 Tremont St., Boston, 2 story, 72 x 113 ft., brick and limestone, Spurtleff Dist., here. $205,000.

Mass., Webster—HIGH SCHOOL—Town, Bd. Educ., J. A. Love, chn., plans Junior High School and Municipal Building, 390 Main St. To exceed $150,000. Engineer and architect not selected.

Mass., Worcester—CHURCH—Methodist Episcopal Church, having plans prepared by H. Eckland & Co., McKenzie Bldg., Moline, Ill., 2 story and basement, brick and stone church. $150,000.

R. I., Woonsocket — CHURCH — Notre Dame Des Victories Roman Catholic Church having sketches made by W. F. Fontaine, 1 story and basement, brick and stone, Spring and Prospect Sts. $150,000.

Conn., Storrs—CHURCH—Storrs Church, M. E. Alling, pastor, having plans prepared by D. K. Perry, 17 Court St., New Britain, for church. $150,000.

N. Y., Far Rockaway—HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. Extension and Concord St., Brooklyn, brick, steel and stone, plain foundation, Connage Ave., here. $1,500,000.

N. Y., Hastings—SCHOOL—Union Free School Dist., C. C. Delaney, clk., having plans prepared by Shreve & Lamb, engrs. and archts., 331 Madison Ave., New York City, 3 story and basement, brick, steel and stone, plain foundation. $300,000.

N. J., Oaklyn — SCHOOL — Bd. Educ. plans new school. $160,000. Engineer and architect not selected.

Pa., Spangler — SCHOOL — St. Patricks Roman Catohlic Congregation, having plans prepared by F. Hagen, 2 story and basement, brick and hollow tile school. $150,000.

D. C., Wash.—HIGH SCHOOL—Dist. Comrs. takes bids about Dec. 21, for Francis Junior High School. $475,000.

W. Va., Huntington—CHURCH—First Presbyterian Church, J. L. Layton, pastor, having plans prepared by S. L. Day, 1st Natl. Bank Bldg., (5 units) 3 story, rein.-con., brick and stone, 10th Ave. $150,000.

Miss., Jackson — SCHOOLS — Hinds Co. Bd. Educ., W. H. Downing, clk., soon takes bids 2 story, 72 x 210 ft. administration building, girls dormitory addition, swimming pool and addition to gymnasium, all brick and concrete. $150,000. J. M. Spain, Millsaps Bldg., archt.

La., Alexandria — SCHOOL — Rapides Parish Bd. Educ., election Dec. 16, $225,000 bonds, schools in Ward 7.

Tenn., Memphis — CHURCH — Lamar Heights Presbyterian Church, H. B. Wade, pastor, having plans prepared by H. T. McGee, Fidelity Bank Bldg., brick and stone church, 600 seating capacity, incl. department rooms, etc., Young Ave. and Barksdale St. $150,000.

O., Berea—HIGH SCHOOL—Bd. Educ., L. A. Fowles, clk., having preliminary plans prepared by Fulton & Taylor, 8120 Euclid Ave., Cleveland and takes bids in spring, 3 story and basement, 30 room, brick, steel and concrete high school, $350,000.

O., Columbus — HIGH SCHOOL — Bd. Educ., E. L. McCune, clk., having sketches made by H. D. Smith, 20 South 3rd St., West High School, 3 story and basement, 200 x 250 ft., brick and stone, Powell St. and Chase Ave. $800,000.

O., Greenville — GRADE and HIGH SCHOOL — Bd. Educ., H. E. Schaeffer, clk., plans 2 story and basement Centralized Grade and High School, brick and concrete. $165,000. Engineer and architect not selected.

O., Hollansburg — SCHOOL — Bd. Educ. having plans prepared by C. E. Werkung & Son, Amer. Trust Bldg., Richmond, Ind., 2 story and basement, 70 x 120 ft., brick and concrete school. $155,000.

O., Middletown—HIGH SCHOOL—Bd. Educ. having plans prepared by T. D. McLaughlin, 610 Savings Bldg., Lima, Garfield High School, 3 story and basement, concrete, brick and stone, South Yankee St. $1,000,000.

Mich., Detroit — SCHOOL — University of Detroit, 630 East Jefferson Ave., had plans prepared by Malcolmson & Higginbotham, 1217 Griswold St., School of Commerce and Finance, 2 story and basement, 95 x 190 ft. rein.-con., brick and steel, plain foundation, Six Mile Rd. and Livernois Ave.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohmen & Page, 2231 Park Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Puritan and Cloverlawn Aves. $150,000. Noted Nov. 12.

Mich., Kingsford Heights (Iron Mountain P. O.) — SCHOOLS — Breitung Twp. Bd. Educ., J. Roth, secy., having plans prepared by F. E. and G. F. Parmelee, Iron Mountain, 2 brick and tile grade schools, $90,000 each and high school addition, $200,000, all 2 story and basement, brick and tile, plain foundations.

Wis., Milwaukee — SCHOOL — St. Stanislaus Congregation, 404 Mitchell St., having preliminary plans prepared by Herbst & Kuenzli, 130 Grand Ave., 2 story and basement, brick, tile and concrete, plain foundation, Grove St. $200,000.

Minn., Minneapolis — SCHOOL — Bd. Educ., G. F. Womrath, bus. dept., 305 City Hall, having plans prepared by Bureau of Buildings, Div. of Design & Inspection, c/o owner, (2nd unit) 3 story and basement, rein.-con. and brick, 14th St. and Spruce Pl. $150,000.

Mo., Kansas City—CONVENT—Catholic Diocese, Armour St. and Hyde Park purchased 275 x 400 ft. site and plans convent, 71st and Oak Sts., for Institute of Our Lady of Mercy. To exceed $150,000. Engineer and architect not selected.

Mo., Kansas City—NURSES HOME and CLUB — Kansas City Nurses Club, 4420 Lloyd Ave., purchased site and plans 3 story and basement, 67 x 88 ft., concrete, plain foundation, East 33rd St. $150,000. Engineer and architect not selected.

Mo., Lexington—SCHOOL—Election Dec. 11, $240,000 bonds, new school buildings.

Mo., University (Sta. St. Louis) — SCHOOLS—Election Dec. 15, $470,000 bonds, additions to Pershing, Flynn Park and high schools, for Bd. Educ.

Tex., Amarillo — HIGH SCHOOL — City, School Bd., plans brick and rein.-con. high school. $200,000. Engineer and architect selected soon.

Okla., Tulsa—SUNDAY SCHOOL—First Baptist Church, 8th and Cincinnati Sts., having plans prepared by C. H. Woodruff, engr. and archt., 400 Reynolds Bldg., Ft. Worth, Tex., rein.-con., brick and stone addition, plain foundation, 4th and Cincinnati Sts. $300,000.

Wash., Seattle — SCHOOLS — Bd. Educ. had plans prepared by F. A. Naramore, Central Bldg., for Alexander Hamilton Intermediate School, $465,000; John Marshall School, $400,000; also smaller schools. Total $930,000.

Calif., Long Beach—CHURCH—Atlantic Ave. Methodist Church having plans prepared by R. S. Tuttle, 363-17th St., Oakland, and K. Cutter, 1000 E-Ocean Blvd., 2 story and basement, brick and concrete, State and Atlantic Sts. $150,000.

Calif., San Andreas—HIGH SCHOOL—San Andreas Union High School Dist. plans election $150,000 bonds, fireproof school.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co., having plans prepared by J. Reid, Jr., 1st Natl. Bank Bldg., fireproof addition to Lowell High School. $150,000 or more.

Calif., San Leandro — SCHOOL — Plans election $200,000 bonds, additions to present schools. J. J. Donovan, Tapscott Bldg., Oakland, archt.

BIDS DESIRED

Mass., Charlestown (Boston P. O.) — SCHOOL—Dec. 15, by Schoolhouse Dept., City Hall, Boston, 2 story and basement, 40 x 130 ft., brick and limestone, Warren St., Bunker-Hill Dist., here. $210,000. J. Driscoll, 6 Beacon St., Boston, archt. Noted Nov. 5.

Conn., Wallingford — SCHOOL — School Comn., City Hall, taking bids 2 story and basement, 70 x 100 ft., brick and steel, East Center St., $150,000. W. T. Arnold, 34½ West Main St., Meriden, archt. Noted Nov. 2.

Pa., Overbrook (Phila. P. O.) — SEMINARY and CHAPEL — Dec. 17, by D. Cardinal Daugherty, pastor Seminary of St. Charles Boromeo, 18th and Summer Sts., Phila., Seminary 3 story and basement, 40 x 600 ft. with three 45 x 200 ft. wings, and chapel 1 story, basement, sub-basement and tower, 100 x 200 ft., both rein.-con. granite and limestone, plain foundation, Highland and Wynnwood Sts., here. $1,000,000. P. A. Monaghan, 1713 Samson St., Phila., archt. Noted Nov. 26.

D. C., Wash.—HIGH SCHOOL—Jan. 1, by Dist. Comrs., for Randall Junior High School. $200,000.

O., Cincinnati—HIGH SCHOOL—Dec. 21, by Bd. Educ., Denton Bldg., Western Hills High School, 3 story and basement, rein.-con. and brick, plain foundation, Bridgetown Pk. $1,000,000. Garber & Woodward, Union Central Bldg., archts.

O., Cleveland—CHURCH—Dec. 16, by Walker & Weeks, archts., 1900 Euclid Bldg., 1 story, concrete, brick and steel, East 107th St. and East Blvd., for Epworth-Euclid Methodist Episcopal Church, L. C. Wright, pastor, 2547 Derbyshire Rd., Cleveland Heights. $650,000.

Mich., Detroit—HIGH SCHOOL—Dec. 12, by C. A. Gadd, bus. mgr. Bd. Educ., 354 Bway. Ave., 3 story and basement, 85 x 185 ft., rein.-con., brick and steel, plain foundation, Ownen Ave. $228,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., archts. Noted Feb. 5.

Mich., Jackson—HIGH SCHOOL—Dec. 21, by J. F. Clark, secy. Bd. Educ., 116 West Wesley St., 3 story and basement, rein.-con., brick and steel, plain foundation, Wildwood and Winthrop Sts. $1,200,000. Childs & Smith, 720 North Michigan Ave., Chicago, Ill., archts. Noted Nov. 5.

Minn., Bemidji—COLLEGE—See "Buildings—Industrial."

BIDS RECEIVED

Pa., Phila.—HIGH SCHOOL—Bd. Educ., 19th and Arch Sts., general contract 4 story and basement, 159 x 268 ft., rein.-con. and brick, plain foundation, Media St. between 53rd and Peach Sts., from W. R. Dougherty, 1608 Sansom St., $1,022,000; heating and plumbing, from S. Fath Co., 2427 Pennsylvania Ave., $95,996 and $46,996 respectively; and electrical work, from J. T. Casey, 207 South Front St., $43,785. Noted Nov. 25.

CONTRACTS AWARDED

Pa., Allentown — HIGH SCHOOL — Jacoby & Everett, archts., Commonwealth Bldg., Junior High School, 3 story and basement, 136 x 182 ft. 2nd and Turner Sts., to Ochs Constr. Co., 440 Wire St. $289,750. Noted Dec. 3.

Md., Baltimore—SCHOOL—Bd. Awards, 2 story, 64 x 138 ft., rein.-con. and brick, plain foundation, 5th St. and Claremont Ave., to Consolidated Eng. Co., 20 East Franklin St., $164,000. Noted Dec. 3.

O., Toledo—HIGH SCHOOL—Bd. Educ., East 6th St. and Rockwell Ave., general contract Broadway Junior High School, 1,200 seating capacity, Bway. and Walbridge Ave., to Newton-Baxter Co., 417 Hamilton St., $497,650; heating, ventilating and plumbing, to Freyn Bros., 31 West Michigan St., Indianapolis, Ind., $84,089.

Mich., Detroit—SCHOOL—Malcolmson & Higginbotham, archts., 1217 Griswold St., 3 story, 122 x 150 ft., rein.-con., brick and steel, plain foundation, Six Mile Rd. and Livernois Ave., to F. H. Goddard, 2130 Franklin St., for University of Detroit, 630 East Jefferson Ave., $300,000. Noted Oct. 29.

Ill., Elmhurst—SCHOOL—J. C. Llewellyn Co., archts., 38 South Dearborn St., Chicago, masonry and carpentry contract 3 or 4 story, 40 x 180 ft., rein.-con. and brick addition, here, to W. E. O'Neil Constr. Co., 19 South La Salle St., Chicago, for Bd. Educ. Noted Nov. 5.

Wis., Milwaukee — PRE-VOCATIONAL SCHOOL—School Bd., F. Harbach, secy., 10th and Prairie Sts., 2 and 3 story, 189 x 335 ft., brick, tile and concrete, plain foundation, Windlake St., concrete and excavation, to Kroening Constr. Co., 39th Ave. and Mitchell St. $182,990; masonry, to Paul Riesens Sons, 1016 Humboldt Ave., $75,987; steel and iron, to C. Hennecke Co., 1353 North Pierce St., $26,140; heating and ventilating, to P. E. Mueller Co., 320 Park St. $64,870; and carpentry, to P. W. Brirge, 940 3rd St., $47,793. Grand total $397,780. Noted Oct. 15.

Okla., El Reno—HIGH SCHOOL—Bd. Educ., 3 story and basement, 111 x 138 ft., rein.-con. and brick, plain foundation, Bickford St., to A. E. Scobey, Guthrie, $126,000. Archts. est. $165,000. Noted Oct. 29.

Federal Government Work

PROPOSED WORK

Wash., Westport—Signal Building—Supt. Lighthouses, Portland, Ore., plans fog signal building, rein.-con., at Greys Harbor Light Station, here.

Calif., Eureka—Radio Tower—Spec. 5161—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 125 ft. steel and concrete radio tower, at Naval Radio Station, here.

BIDS DESIRED

N. H., Concord—Extension—Dec. 29, by Treas. Dept. at office supervising archt., extending mailing vestibule, etc., at U. S. Post Office, here.

N. Y., Jamestown—Remodeling—Dec. 22, by Treas. Dept. at office supervising archt., remodeling, etc., at U. S. Post Office, here.

N. Y., New York—Pump—Dec. 12, by U. S. Engineer Office, 2nd Dist., Army Bldg., 20 in. volute centrifugal single suction lined dredge pump.

Pa., Phila.—Dredging Sleeves—Dec. 30, by U. S. Engineer Office, 1505 Race St., 722 rubber dredging sleeves.

Va., Norfolk—Pipe Line Dredge—Dec. 23, by U. S. Engineer Office, repairing U. S. 20 in. pipe-line dredge "Currituck"; adv. E. N.-R. Dec. 10.

Ga., Savannah—Remodeling—Dec. 28, Treas. Dept. at office supervising archt., Wash., D. C., remodeling U. S. Marine Hospital, here. Noted Aug. 20.

Mich., Lansing—Dec. 28, by Treas. Dept., at office Supervising Architect, Wash., D. C., remodeling and enlarging post office, here.

Calif., San Rafael—Dredging— U.S. Engineers Office, Custom House, San Francisco, Nov. 13, dredging in San Rafael Creek, here, from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, (a) $0.15 (b) $0.45. Noted Oct. 29 under "San Francisco."

T. H., Pearl Harbor—Fences and Gates—Spec. 5147—Dec. 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., fences and gates at Naval Operating Base, here; adv. E. N.-R. Dec. 10.

BIDS RECEIVED

Md., Baltimore — Storehouses — Treas. Dept. at office supervising archt., Wash., D. C., Dec. 3, store houses, etc., at U. S. Quarantine Station, here, from Regan Constr. Co., 2 East Lexington Ave., $4,440. Noted Nov. 19.

D. C., Wash. — Research Laboratory — Spec. 5098 — Bureau Yards & Docks, Navy Dept., rein.-con. research annex building at Naval Research Hospital Laboratory (Bellevue), here, from Virginia Eng. Co., Newport News, Va. (1) $64,898 (2) $380 (3) $1,800 (4) $895 (5) $3,800 and (6) $1,326. Noted Oct. 8.

CONTRACTS AWARDED

Conn., New London—Piers—Spec. 5174—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to piers at submarine base, here, to Merritt-Chapman & Scott Corp., 292 Pequot Ave., $6,600 (120 days). Noted Nov. 26.

D. C., Wash.—Library—D. Lynn, archt. of the Capitol, at Congressional Library, constructing bookstack building, to Snead Co., foot Pine St., Jersey City, N. J., $725,000. Noted Dec. 3.

Wis., Milwaukee — Derrick Boat — U. S. Engineer Office, 15 ton steel derrick boat, to L. D. Smith Dock Co., Sturgeon Bay, $77,600. Noted Nov. 26.

Ore., Portland—Barges—U. S. Engineer Office, New Post Office Bldg., 2 steel barges, to Albina Marine Iron Wks., Lewis and Loring Sts. $48,968. Noted Nov. 5.

Unclassified

PROPOSED WORK

Traffic Signals—New Haven, Conn.—City plans interocking traffic signal system covering 26 points. $25,000.

Swimming Pool — North Tonawanda, N. Y.—Bd. Educ. Union Free School Dist. 2, soon takes bids brick swimming pool. $80,000. Tooker & Marsh, 101 Park Ave., New York City, archts.

Power Line—North Carolina—Roanoke Rapids Power Co., Roanoke Rapids, N. C., F. J. Chase, vice-pres., and Virginia Electric & Power Co., Richmond, Va., plan extending lines into Eastern North Carolina, and probably furnish power to towns of Elizabeth City, Kinston, and Greenville. Elizabeth City project requires 40 mi. extension.

Transmission Lines—North Carolina—Tidewater Power Co., Wilmington, F. D. Matthes, vice-pres., plans extending lines into Beaulaville, also to all important points within radius of 100 mi. of Wilmington.

Swimming Pool—Jackson, Miss. — See "Buildings—Educational, Religious."

Lighting System—Nashville, Tenn.—Bd. Pub. Wks., plans "White Way" lighting system on 17 streets in business district. To exceed $50,000. H. E. Howse, mayor. Cost to be borne by property owners.

Grand Stand — Springfield, Ill. — State soon lets contract steel and concrete grand stand at proposed new 1 mi. race track at State Fair Grounds. $450,000. L. Small, dir. Dept. Purchases & Constr., engr.

Transmission Line—Texas—See "Dams under Victoria."

Power Transmission Line — Texas — Western Pub. Serv. Co., Bryan, plans power transmission line from Navasota to Madisonville. $40,000. Private plans. Work may be done by day labor.

Causeway—Point Isabel, etc., Tex.—Gulf Coast Causeway Co. making preliminary surveys, etc., 119 mi. tarviated gravel causeway along coast from here toward Galveston Toll Rd. $2,000,000. Private plans.

Stadium—San Antonio, Tex.—Bd. Educ., c/o Secretary, Russell Bldg., plans concrete and steel stadium, 25,000 seating capacity, at Schwab Field. $50,000. Engineer selected soon.

Underground Mains, etc.—Victoria, Tex.—Victoria Ice & Electric Co., making plans wires and cables underground in fire district. $60,000. Private plans.

Land Development—Bartlesville, Okla.—Bartlesville Development Co., c/o F. L. Dunn, secy., 1st Natl. Bank Bldg., purchased 160 acre tract and making preliminary plans high class sub-division incl. streets, curbing, sewers, water works, etc., near here. Engineer not selected.

Lighting System—Culver City, Calif.—Plans ornamental lighting system on portions of Oregon, Montana and Arizona Aves., etc. $25,000 or more.

Ornamental Lighting System — Los Angeles, Calif.—Making plans steel standards on portions of Brunswick, Boyce, Edenhurst Aves., etc.; and concrete standards on Heliotrope Dr. To exceed $25,000.

Amusement Pier—Redondo Beach, Calif.—C. L. Langley making plans 325 x 600 ft. rein.-con. amusement pier, and 75 x 100 ft. rein.-con. pavilion, etc. J. P. Perrine, Lincoln Bldg., Los Angeles, Calif.

Swimming Pool — Sacramento, Calif. — W. B. Fink, 3962 "E" St., made plans 80 x 280 ft. concrete swimming pool, from 3 to 12 ft. deep, approximately 650,000 gal. capacity. $100,000. H. N. Jenks, c/o Sacramento City Filtration Plant, engr.

Hydro-Electric Development — Lakefield, Ont. — See "Buildings—Industrial."

Gasoline and Oil Service Stations — Toronto, Ont.—Imperial Oil Co., 56 Church St., making plans 3 gasoline and oil sales and service stations, brick and concrete, one on College St. and Brock Ave., one on Bloor St. and Reisholme Rd., and other Queen and Crawford Sts. $100,000. L. G. Wheaton, 56 Church St., engr.

BIDS DESIRED

Platform Extensions—Brooklyn, N. Y.—Dec. 14, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, extending platforms of Myrtle, DeKalb, Atlantic and 7th Aves. and Pacific and Court Sts. stations, of Rapid Transit R.R., here.

Sanitary Work, etc.—Middletown, N. Y.—Jan. 6, by State Hospital Comn., Capitol, Albany, sanitary work, water supply for fire protection, at Middletown State Hospital, here; adv. E. N.-R. Dec. 10.

Bulkhead—New York, N. Y.—Dec. 17, by Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., concrete bulkhead along easterly boundary of public driveway between 193rd and 198th Sts.

Special Work—New York, N. Y.—Dec. 18, by Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., special work (rails, frogs, switches, etc.), for constructing Corona Yard.

Heating System, etc.—Utica, N. Y.—Jan. 6, by State Hospital Comn., Capitol, Albany, heating system, fire protection, water supply, etc. at Utica State Hospital, here. S. W. Jones, Capitol, Albany, archt.; adv. E. N.-R. Dec. 10.

Ash Handling Equipment, etc.—Detroit, Mich.—Dec. 14, by J. S. Foley, secy. Public Lighting Comn., 174 East Atwater St., for ash handling equipment, boiler settings, etc. for power house, foot of Morrell St. $35,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs.

Heating, Plumbing, etc.—Chicago, Ill.—Dec. 22, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., Sullivan Junior High School, North Shore and Albion Aves., steam heating, plumbing, ventilating, heat regulation, coal and ash conveyor, etc. J. C. Christenson, 650 South Clark St., archt.

Culverts—Ohio—See "Bridges."

Circuit Breakers — Auckland, New Zealand — Feb. 16, by Secretary Pub. Wks. Supplies & Tenders Comn., three 110 kv. and two 50 kv. oil immersed circuit breakers, one 110 k v. set airbrake switches, eight 110/kv. and four 50 kv. sets isolating switches, etc.

BIDS RECEIVED

Stadium — Columbia, Mo. — Curators of University of Columbia, Dec. 1, rein.-con. athletic field stadium, 25,000 seating capacity, from Parsons Constr. Co., 401 Arthur Bldg., Omaha, Neb., $264,000. Noted Nov. 5.

CONTRACTS AWARDED

Foundation — Providence, R. I. — See "Buildings—Commercial."

Fire Alarm System—New York, N. Y.—T. J. Drennan, fire comr., Municipal Bldg., portion underground fire alarm system, in Bronx Boro, to W. F. Kenny Co., Inc., 41 East 23rd St., $18,054; and to J. Sugden Co., Inc., 100 5th Ave., $26,208. Noted Dec. 3.

Lighting Standards—Gulfport, Miss.—See "Streets and Roads."

Heating, Ventilating and Plumbing — Toledo, O.—See "Buildings—Educational, Religious."

Docks — Milwaukee, Wis. — Dept. Pub. Wks., 2 rein.-con. docks, one at Municipal Storage Yard east of 16th St. viaduct, and other at Kinnickinnic Flushing Station, Chicago Ave., to E. E. Gillen Co., 288 East Water St., $102,432 and $18,326 respectively. Noted Dec. 3.

Oil Pipe Line—Arkansas—Crusader Pipe Line Co., 150 mi. 18 in. oil pipe line from Smackover fields to Mississippi River, to J. J. Conner & Sons Co., 1221 Stratford Rd., Kansas City, Mo., $2,250,000.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Pico St. between Vermont and Crenshaw Aves., to Los Angeles Electric Wks., 1128 South Los Angeles St., $65,600.

Materials

PROPOSED WORK

Granite Paving Blocks—Havana, Cuba—Government soon takes bids 40,000,000 granite paving blocks for use here and throughout province.

BIDS DESIRED

Broken Stone, etc. — Long Island City, N. Y.—Dec. 17, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 29,000 cu.yd. broken stone, 14,000 cu.yd. sand, 1,600 tons asphalt cement, and 150,000 gal. fuel oil.

Sewer Pipe, Paving Blocks, etc.—Minneapolis, Minn.—Dec. 15, by F. S. Gram, city purch. agt., 400 tons sewer castings, vitrified sewer pipe and segment blocks, also 500,000 vitrified paving blocks, etc. N. W. Elsberg, city engr.

Cement—Missouri—Dec. 18, by State Hy. Dept., Jefferson City, 1,616,700 bbl. cement for highways during 1926. $4,000,000.

CONTRACTS AWARDED

Slag—Detroit, Mich.—Dept. Pub. Wks., 10,000 net tons slag f.o.b. Detroit, to France Slag Co., Zug Island, Detroit, $2.35 per ton.

Road Oil—Fresno, Calif.—D. M. Barnwell, clk. Fresno Co., 72,500 bbl. road oil containing minimum 65% asphalt and 42,500 bbl. not less 73% asphalt content, to Standard Oil Co., Standard Oil Bldg., San Francisco, $0.90 per 42 gal. bbl. and $0.95 per bbl. respectively.

CONSTRUCTION NEWS

Engineering News-Record, Dec. 17, 1925

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record

WATERWORKS

Dec. 21 Senath, Mo. .....Dec. 17
Dec. 22 St. George, N. Y. .....Dec. 17
Dec. 23 Baltimore, Md. .....Dec. 17
Jan. 6 Nashville, Tenn. .....Dec. 17
Adv. Dec. 17.
Jan. 12 Toronto, Ont. .....Nov. 12
Jan. 12 Yorkville, O. .....Dec. 17
Adv. Dec. 17.
Jan. 16 Auburn, N. Y. .....Dec. 17
Adv. Dec. 17.
Jan. 21 Auckland, New Zealand....Nov. 26
Jan. 26 Warsaw, Ill. .....Dec. 17

SEWERS

Dec. 18 New York, N. Y. .....Dec. 17
Dec. 21 Little Falls, N. J. .....Nov. 26
Dec. 22 Wash., D. C. .....Dec. 17
Dec. 22 Phila., Pa. .....Dec. 17
Dec. 23 Brooklyn, N. Y. .....Dec. 17
Dec. 31 Glendale, Calif. .....Dec. 17

WASTE DISPOSAL

Dec. 18 Franklin, N. J. .....Dec. 17

BRIDGES

Dec. 21 Oswego, Kan. .....Dec. 10
Dec. 22 North Carolina .....Nov. 26
Dec. 23 Marion, Kan. .....Dec. 17
Dec. 28 New York, N. Y. .....Dec. 10
Dec. 30 Baltimore, Md. .....Dec. 17
Adv. Dec. 17.
Jan. 4 Mobile, Ala. .....Nov. 19
Jan. 4 Angonia, Kan. .....Dec. 10
Jan. 5 St. Louis, Mo. .....Dec. 10
Jan. 5 Washington .....Dec. 17
Jan. 6 West Palm Beach, Fla....Dec. 17
Adv. Dec. 17.
Jan. 7 Coffeyville, Kan. .....Dec. 10
Jan. 9 Lane, Kan. .....Dec. 10

EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR

Dec. 21 Birmingham, Ala. .....Dec. 3
Dec. 21 Chicago, Ill. .....Dec. 17
Dec. 22 Merced, Calif. .....Dec. 17
Dec. 22 Jackson, Mo. .....Dec. 17
Dec. 22 Danville, Ill. .....Dec. 17
Dec. 22 Phila., Pa. .....Dec. 17
Dec. 30 Illinois .....Dec. 17
Jan. 1 Brownsville, Tex. .....Oct. 1
Jan. 5 Illinois .....Dec. 10
Adv. Dec. 10 and 17.
Jan. 6 Shreveport, La. .....Dec. 10
Jan. 6 Thibodaux, La. .....Dec. 17

STREETS AND ROADS

Dec. 18 New York .....Dec. 3
Adv. Dec. 3 to 17.
Dec. 18 St. George, N. Y. .....Dec. 17
Dec. 18 New York, N. Y. .....Dec. 17
Dec. 19 Springfield, O. .....Dec. 3
Dec. 19 Ft. Wayne, Ind. .....Dec. 17
Dec. 19 Kendallville, Ind. .....Dec. 17
Dec. 19 La Porte, Ind. .....Dec. 17
Dec. 21 Bradenton, Fla. .....Dec. 3
Dec. 21 Holdrege, Neb. .....Dec. 3
Dec. 21 Michigan .....Dec. 10
Dec. 21 Lebanon, Mo. .....Dec. 17
Dec. 21 Atlanta, Ga. .....Dec. 17
Dec. 22 Louisiana .....Dec. 3
Dec. 22 Russell, Kan. .....Dec. 3
Dec. 22 Santa Cruz, Calif. .....Dec. 10
Dec. 22 Massachusetts .....Dec. 10
Dec. 23 Brooklyn, N. Y. .....Dec. 17
Dec. 23 Long Island City, N. Y....Dec. 17
Dec. 23 Gretna, La. .....Nov. 26
Dec. 23 Alabama .....Dec. 3
Dec. 23 Alabama .....Dec. 10
Dec. 24 Texas .....Dec. 17
Dec. 24 Maple Heights (mail Cleveland), O. .....Dec. 17
Dec. 24 Breckenridge, Tex. .....Dec. 17
Dec. 24 El Paso, Tex. .....Dec. 17
Dec. 28 Los Angeles, Calif. .....Dec. 17
Dec. 28 Vermilion, S. D. .....Dec. 17
Dec. 29 Junction City, Kan. .....Dec. 3
Dec. 30 Belleville, Kan. .....Dec. 3
Jan. 1 Birmingham, Ala. .....Dec. 3
Jan. 4 Wellington, Kan. .....Dec. 3
Jan. 5 Enid, Okla. .....Dec. 17
Jan. 5 St. Louis, Mo. .....Dec. 17
Jan. 5 Garden City, Kan. .....Dec. 3
Jan. 5 Vicksburg, Miss. .....Dec. 3
Jan. 5 Vero Beach, Fla. .....Dec. 10
Adv. Dec. 10 and 17.
Jan. 6 Florida .....Dec. 10
Adv. Dec. 10 and 17.
Jan. 7 Key West, Fla. .....Dec. 17
Adv. Dec. 17.
Jan. 8 Harvard, Kan. .....Dec. 10

BUILDINGS—INDUSTRIAL

Dec. 19 Oaks, Pa. .....Dec. 17
Jan. 1 Fostoria, O. .....Dec. 17

BUILDINGS—COMMERCIAL

Dec. 18 Allentown, Pa. .....Dec. 17
Dec. 19 Miami Beach, Fla. .....Dec. 10
Dec. 21 Phila., Pa. .....Dec. 17
Dec. 22 New Orleans, La. .....Dec. 10
Dec. 22 St. Louis, Mo. .....Nov. 26
Dec. 22 Buffalo, N. Y. .....Dec. 17
Dec. 28 Steelton, Pa. .....Dec. 17
Adv. Dec. 17.
Jan. 1 Chicago, Ill. .....Nov. 19
Jan. 1 Duluth, Minn. .....Dec. 17
Jan. 4 Pasadena, Calif. .....Dec. 10
Jan. 10 Duluth, Minn. .....Oct. 29

BUILDINGS—EDUCATIONAL, RELIGIOUS

Dec. 18 Long Beach, N. Y. .....Dec. 17
Dec. 19 Springfield, O. .....Dec. 3
Dec. 19 Detroit, Mich. .....Dec. 17
Dec. 21 Cincinnati, O. .....Dec. 10
Dec. 21 Jackson, Mich. .....Dec. 10
Dec. 22 Roxbury (Boston P. O.), Mass. .....Dec. 17
Dec. 22 St. Louis, Mo. .....Dec. 17
Dec. 29 Totowa (mail Paterson), N. J. .....Dec. 17
Dec. 30 Tulsa, Okla. .....Dec. 17
Jan. 1 Wash., D. C. .....Dec. 10
Jan. 2 Grandview (Columbus P. O.), O. .....Dec. 17
Jan. 10 Muncie, Ind. .....Dec. 17
Jan. 11 Johnstown, Pa. .....Dec. 3
Jan. 11 Johnstown, Pa. .....Dec. 17
Feb. 27 Duluth, Minn. .....Dec. 17

FEDERAL GOVERNMENT WORK

Dec. 19 Dredging, etc.—New York, N. Y. .....Nov. 19
Dec. 19 Dredging Pipe—Norfolk, Va. .....Dec. 3
Adv. Dec. 3 and 17.
Dec. 21 Barges—Wash., D. C. .....Dec. 3
Dec. 21 Metal Work—Louisville, Ky. .....Dec. 3
Adv. Dec. 3 to 17.
Dec. 22 Administration — Atlanta, Ga. .....Nov. 26
Dec. 22 Administration, etc.—Wash., D. C. .....Nov. 26
Dec. 22 Remodeling—Jamestown, N. Y. .....Dec. 10
Dec. 23 Post Office, etc.—Los Angeles, Calif. .....Dec. 3
Dec. 23 Pipe Line Dredge—Norfolk, Va. .....Dec. 10
Adv. Dec. 10 and 17.
Dec. 28 Beartrap Leaves—Louisville, Ky. .....Dec. 3
Adv. Dec. 3 to 17.
Dec. 28 Post Office — Lansing, Mich. .....Dec. 10
Dec. 28 Remodeling — Savannah, Ga. .....Dec. 10
Dec. 29 Extensions — Concord, N. H. .....Dec. 10
Dec. 30 Dredging Sleeves — Phila., Pa. .....Dec. 10
Jan. 2 Hull—Vicksburg, Miss. .....Dec. 3
Adv. Dec. 3 to 17.
Jan. 4 Plumbing—Chicago, Ill. .....Dec. 17
Jan. 4 Hangar—Kelly Field (Ind. sta. San Antonio), Tex. .....Dec. 17
Jan. 5 Sewer—Atlanta, Ga. .....Dec. 17
Jan. 7 Bridge—Wash., D. C. .....Nov. 26
Jan. 11 Post Office—Janesville, Wis. .....Dec. 17
Adv. Dec. 17.
Jan. 18 Hospital—Soldiers Home (br. Sawtelle P. O.), Calif. .....Nov. 26
Jan. 19 Cruiser, etc.—Wash., D. C. .....Nov. 19
Jan. 26 Hospital—Ft. Snelling (br. St. Paul), Minn. .....Dec. 17
Adv. Dec. 17.

UNCLASSIFIED

Dec. 18 Special Work—New York, N. Y. .....Dec. 10
Dec. 21 Street Lighting System—Green Bay, Wis. .....Dec. 17
Dec. 22 Heating, Plumbing, etc. — Chicago, Ill. .....Dec. 10
Dec. 23 Generator — Brooklyn, N. Y. .....Nov. 26
Jan. 6 Heating System, etc.—Utica, N. Y. .....Dec. 10
Jan. 6 Sanitary Work—Middletown, N. Y. .....Dec. 10
Adv. Dec. 10 and 17.
Jan. 12 Stadium—Johnstown, Pa. ..Dec. 17
Jan. 26 Circuit Breakers, etc.—Wellington, New Zealand .....Nov. 26
Feb. 10 Coal Handling Plants—Melbourne, Australia .....Dec. 17
Feb. 16 Circuit Breakers—Auckland, New Zealand .....Dec. 10

MATERIALS

Dec. 23 Steel—New York, N. Y. ...Dec. 17
Dec. 24 Sand Grit, etc.—Long Island City, N. Y. .....Dec. 17
Dec. 24 Paving Blocks—Long Island City, N. Y. .....Dec. 17

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, withdrew bids which were to be opened Dec. 11, mains in 22nd Dr., and 22nd Rd., Barnett and Packard Sts., Hopkins, Middleburg Aves., etc., here. Noted Dec. 10.

N. J., New Brunswick—Plans improving water supply, dam, pipes, etc., at Lawrence Brook, here. $500,000. E. J. McLaughlin, city clk. Engineer not selected.

N. J., Rahway—Bd. Water Comrs. plans improving water plant, installing new gravity filters, chlorinating and pumping equipment, etc. $163,000. T. A. Fyffe, mayor.

N. C., Asheville—See "Buildings—Industrial."

N. C., Kinston—Plans enlarging water supply, incl. wells, pumps, reservoir, etc. J. May, comr. Water & Light.

N. C., Monroe—Plans enlarging water and light systems, also reservoir on Richardsons Creek, 2 mi. from here. $200,000 bonds sold. C. E. Houston, mayor.

Fla., Lynn Haven—Voted $60,000 bonds, waterworks.

Fla., Sarasota — Voted $150,000 bonds, extending waterworks, incl. wells, reservoirs, pumps, etc. J. R. Brimby, Jr., comr. Noted Nov. 12.

Ala., Northport—See "Sewers."

Miss., Moss Point — Election Jan. 5, $135,000 bonds, waterworks. H. A. Mentz, Hammond, La., consult. engr.

O., Cincinnati—Hamilton Co. plans 31,924 ft. 6 and 8 in. c.i. mains, etc., in Water Supply Line 27, Sanitary Sewer Dists. 4 and 5, $74,531; and 10,903 ft. 6 in. c.i. mains in Water Supply Line 20, Sanitary Sewer Dist. 3, $27,695. L. C. Boyatt, Court House, engr.

O., Newark—Making plans several mi. waterworks extension lines and complete sewerage system. $500,000.

Mich., Detroit—Southfield Park Waterworks Assn., making plans approximately 2 mi. 8 and 12 in. c.i. mains in Southfield Park, to connect with water system, here. $175,000. G. Kennedy, 616 Transportation Bldg., Detroit, engr.

Ill., Wilmette—Making plans waterworks extensions for Gross Point addition. $200,000. C. N. Roberts, 105 North Clark St., Chicago, engr.

Wis., Williams Bay—O. J. Lee, village clk., making preliminary plans new waterworks and sewerage systems. To exceed $15,000.

Waterworks (Continued)

Kan., Herndon—Defeated $36,000 bonds, waterworks and distribution system. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Nov. 19.

Kan., Ransom — Election soon $36,000 bonds, waterworks. W. B. Rollins & Co., 512 Railway Exch. Bldg., Kansas City, Mo., engrs.

Kan., Winchester—City Clerk takes bids about Jan. 1, complete waterworks and distribution system. $32,000 bonds voted. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs. Noted Dec. 10.

Neb., Dawson — Plans election $20,000 bonds, waterworks, improvements, etc.

Ark., Fayetteville — Making preliminary plans water improvement district in vicinity of city hall and Rose Hill Water Impvt. Dist. E. M. Ratliff, Stone Bldg., engr.

Tex., Alamo — Voted $25,000 bonds, waterworks. F. J. Denzer, mayor.

Tex., Kemp—Voted $85,000 bonds, waterworks improvements, incl. reservoir, pumping equipment, etc. M. Allen, mayor.

Tex., Tahoka — Voted $60,000 bonds, waterworks extensions. J. V. Singleton, mayor.

Tex., Wichita Falls—Making plans waterworks improvements, investigating Lake Wichita and Lake Kemp as possible sources of supply. $200,000 or more. T. U. Taylor, University of Texas, Austin, engr. Noted Nov. 19.

Okla., Ft. Cobb—Election Jan. 5, $40,000 bonds, new waterworks and equipment, incl. 16,700 ft. 4- to 8-in. pipe, deep well pump, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 17.

Okla., Nash—Making preliminary plans new waterworks. $30,000. H. G. Wells, mayor. Engineer not selected.

Wash., Wenatchee — Plans improving water system next year. $300,000 bond issue authorized for same.

Calif., Puente—La Grande Source Water Co. takes bids about Dec. 21, 1,500,000 gal. rein.-con. reservoir. H. B. Watts, Box 1091, engr. Noted Aug. 20.

Calif., San Francisco—Making plans extending high pressure system for fire protection in portions of 3rd St., Fairfax and Evans Aves., etc. $25,000 or more. M. M. O'Shaughnessy, 2732 Vallejo St., city engr.

BIDS DESIRED

R. I., Westerly — See "Contracts Awarded."

N. Y., Auburn—Jan. 16, by J. P. Jaeckel, city mgr., 7 m.g.d. and 5 m.g.d. centrifugal pumps direct connected to slip ring, variable speed motor; 2 primer pumps, and 175 hp. gasoline engine. A. J. Adams, ch. engr.; adv. E. N.-R. Dec. 17.

N. Y., St. George — Dec. 22, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Beach, Bryant, Carlton, Cromwell, Fiedler, Fremont and Greely Sts., etc., here.

Md., Baltimore—Dec. 23, by Bd. Awards, curb stop and roadway valves to Bureau of Water Supply. V. B. Siems, City Hall, water engr.

N. C., Saluda—See "Streets and Roads."

Tenn., Nashville—Jan. 6, by Bd. Pub. Wks., at office of S. H. McKay, city clk., concrete, reservoir, c.i. mains, 2 m.g. motor driven pumps, etc. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Dec. 17. Noted Nov. 26.

O., Yorkville—Jan. 12, by Village, 100,000 gal. stand pipe and 20,000 lin.ft. 4- to 12-in. mains. S. Diescher & Sons, Farmers Bank Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Dec. 17.

Ill., Warsaw — Jan. 26, by City Clerk, waterworks improvements, incl. 250 g.p.m. rapid sand filtration plant with pumps, motors, etc., 2,500 ft. 4 and 8 in. c.i. mains, 100,000 gal. tank on tower. $33,000. E. Flad & Co., 1312 Chemical Bldg., St. Louis, Mo., engrs. Noted Nov. 12.

Mo., Sena — Dec. 21, by City Clerk, 75,000 gal. tank on tower, pump house, two deep wells with turbines, one 90 g.p.m. and one 125 g.p.m. pump and motor sewage disposal plant and 3.4 mi. 8- to 12-in. vitr. clay pipe, etc. $65,000. W. C. Burke & Co., 1312 Chemical Bldg., St. Louis, engrs. Noted Nov. 5.

Tex., Tahoka—See "Contracts Awarded."

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Dec. 11, 48 in. steel pipe line from Milburn Pumping Station to 72 in. line at Baldwin, from Beaver Eng. & Constr. Co., 57 Chambers St., $47,282. Noted Dec. 10.

O., Cleveland — City, Nov. 27, concrete substructure for pump house, suction tunnel and screen well, from Amer. Constr. Co., Marion Bldg., $309,160. Noted Nov. 26.

CONTRACTS AWARDED

R. I., Westerly—Westerly Water Works will build 2 story brick and steel pumping station and machine shop, by day labor. $25,000. W. T. Arnold, 34½ West Main St., Meriden, engr. Noted Nov. 10.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., watermains in Andrews, Boyton, Bronx River, Edson, Elder Sts., etc., Bronx Boro, to Riverdale Water Works, 355 East 113th St., $26,722. Noted Dec. 10.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 783, to P. and A. J. Ellis, Inc., 11th St. below Montgomery St., $73,730; Contr. 787, to Quaker City Iron Wks., Tioga and Richmond Sts., $11,799; Contr. 788, to Blaisdell Filtration Co., 20th St. and Indiana Ave., $25,000; and Contr. 789, to Acme Machine Co., 316 North 17th St., $22,500. Grand total $133,079. Noted Nov. 26.

Md., Baltimore—Bd. Awards, valves and hydrants, for Bureau Water Supply, to A. P. Smith Co., 111 Norman St., East Orange, N. J., $43,836. Noted Dec. 3.

Tenn., Lookout Mountain — For 500,000 gal. reservoir and 5 mi. mains, fire hydrants, etc., to City Water Co., 10th and Market Sts., Chattanooga. Engrs. est. $65,000.

O., Cleveland — Cuyahoga Co., 4,560 ft. 6 and 8 in. c.i. mains in Lotus, Emery and East 142nd Sts., Impvt. 568, to Curro & Whittaker Co., 12208 Mayfield Rd., $19,287; 1,700 ft. 12 in. c.i. mains in Broadview Rd. south of Avery Rd. and 4,700 ft. 6 and 8 in. c.i. mains in Brookview subdivision, to Gantose Constr. Co., 4816 Brookpark Rd., $10,689 and $12,484 respectively; 4,800 ft. 6 and 8 in. c.i. mains in Iroquois Ave. and Wilsmere Rd., to Janashak & Callow, 3685 East 142nd St., $12,464. Grand total $54,924. Noted Nov. 26.

O., Cleveland—Comrs. Cuyahoga Co., 13,000 ft. 8 and 12 in. c.i. mains in Brecksville, Pleasant Valley and Brookside Rds., Impvt. 451, Sect. B, to Sprague & Burkhart, 11812 Browing Ave., $64,396. Noted Nov. 26.

Minn., Mankato—F. W. Bates, city clk., one 2,000 g.p.m. capacity high service unit, to R. B. Whitacre & Co., 205 South Robert St., St. Paul, $3,229; one 1,600 g.p.m. capacity low service unit, to Allis-Chalmers Mfg. Co., West Allis St., Milwaukee, Wis., $1,760; one 700 g.p.m. capacity deep well, piping and foundations, to Commonwealth Electric Co., 417 Bway., St. Paul, $15,250; and switchboard, wiring, etc., to Mankato Electric Co., Mankato, $3,600. Grand total $23,839. Noted Nov. 12.

Kan., Russell—For 400,000 gal. steel tank on 134 ft. tower, to Chicago Bridge & Iron Wks., 608 South Dearborn St., Chicago, Ill.

Tex., Tahoka—City will extend mains in various streets, by day labor. $60,000. J. V. Singleton, mayor. Noted Oct. 29.

Okla., Wewoka—D. R. Fraser, city clk., impounding reservoir, earth dam, 10,900 ft. 14 in. c.i. mains, 70,000 cu.yd. earth and 3,600 cu.yd. rock excav., etc., to Gibson & Mitchell, Pauls Valley, $87,945. Engrs. est. $100,000. Noted Nov. 19.

Wash., Seattle—Reconstructing portion of Cedar River Pipe Line 2 between Bush Pl. and Beacon Hill Reservoir, to Gerrick, Creelman & Gerrick, Central Bldg., Seattle, $146,774.

Calif., Glendale—A. J. Van Wie, city clk., Dec. 3, 15 m.g. rein.-con. and earth fill reservoir, here, to DeWaard & Son, Granger Bldg., San Diego, $84,475.

Calif., La Mesa — Rein.-con. circular reservoir, 4 in. mains, centrifugal pumping plant, etc., to H. H. Peterson, Spreckels Bldg., San Diego, $20,915.

Calif., Newport Beach — For c.i. mains, fittings, gate valves, and fire hydrants, etc., to L. R. Weber, Santa Monica, $157,545; woodstave pipe and fittings, to Pacific Tank & Pipe Co., 4820 Santa Fe Ave., Los Angeles, $61,248. Noted Dec. 10.

Ont., LaSalle—Council, mains, etc., in various streets, to Ryan Constr. Co., 109 Ottawa St., Walkerville, $30,187.

Sewers

PROPOSED WORK

Conn., Bristol—Plans sewerage system in Forestville suburbs connecting with pumping station, here.

Fla., Lynn Haven—Voted $50,000 bonds, sewerage system.

Ala., Northport—Election Dec. 22, $40,000 bonds, sanitary sewers and waterworks.

La., Bunkie—Making preliminary plans complete sanitary sewerage system and disposal plant. $110,000. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, engr. Noted Dec. 10.

O., Newark—See "Waterworks."

O., South Euclid—Village making plans and takes bids in spring 7 sewers in various streets and disposal plant. $110,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Mich., Bloomfield (mail Akron)—Oakland Co. (Pontiac) plans Bloomfield Village Drain, in Bloomfield and Southfield Twps., 700 ft. open drain, 12 ft. bottom, 1,400 ft. 96 in. drain in tunnel and 31,602 lin.ft. 10- to 96-in. open cut, etc. A. W. Spencer, Pythian Bldg., Pontiac, drain comr.

Ill., Wilmette—Making plans sewerage extension for Gross Point addition. $250,000. C. N. Roberts, 105 North Clark St., Chicago, engr.

Wis., Caledonia—J. Smerchek, Route 1, Caledonia, town chn., soon takes bids approximately 23,000 ft. 8- to 18-in. vitr. or concrete sewer in North Racine, Caledonia Twp.

Wis., Milwaukee — Dept. Pub. Wks., R. Stoelting, comr., soon takes bids storm sewers in 26th St. between Grand Ave. and Cherry St., Sect. 1, approximately 2,500 lin. ft. 12 in. monolithic concrete pipe; Sect. 2, approximately 2,000 lin.ft. 12 in. monolithic concrete pipe; and Sect. 3, approximately 2,000 lin.ft. 12 in. and 1,400 lin.ft. 84 in. monolithic concrete pipe. $600,000. J. Schwada, City Hall, engr.

Wis., Williams Bay—See "Waterworks."

Ia., Schaller—Making plans outlet sewers and disposal plant. $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Waite Park—Voted $40,000 bonds, sanitary sewerage system. L. A. Cleall, city clk.

S. D., Sioux Falls—Voted $600,000 bonds, sewage disposal plant, etc. A. A. Chenoweth, 314 Paulton Blk., engr. Noted Nov. 12.

Mo., Macon—Soon takes new bids new trunk and outfall sewer, Imhoff tank, new sprinkling filter, etc. $25,000. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted Dec. 10.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids 3,390 ft. 8- to 18-in. and 4,100 ft. 10- to 15-in. vitr. clay sewers in Baden Dist. Sewers 5 and 6 respectively, $26,000; also 2,790 ft. 24- to 51-in. and 3,780 ft. 12- to 48-in. vitr. clay, brick or segmental block sewers in North Baden Joint Sewers 1 and 2 respectively, $59,500. W. W. Horner, 300 City Hall, engr.

Tex., Ennis—See "Streets and Roads."

Tex., Kemp—Voted $30,000 bonds, sewerage improvements and disposal plant. Koch & Fowler, 606 Central Bank Bldg., Dallas, consult. engrs.

Tex., Littlefield — Voted $75,000 bonds, sewerage system. B. L. Coggill, mayor.

Tex., Wichita Falls—Making plans and soon takes bids disposal plant, incl. settling tanks, trickling filters, etc. $300,000. Montgomery & Ward, 545 Harvey-Snider Bldg., and J. H. Gregory, Johns Hopkins University, Baltimore, Md., engrs. Noted Dec. 3.

Tex., San Antonio—Making preliminary surveys complete sewerage system. $40,000 bond election soon for same. Address Mayor.

Okla., Ft. Cobb—Election Jan. 5, $25,000 bonds, new sewerage system, incl. 4 mi. sewers, 16,100 ft. 8- to 12-in. pipe, Imhoff tank, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 17.

Okla., Lone Wolf—Making preliminary plans 4 mi. sanitary sewerage system. $25,000. Engineer not selected.

Okla., Oklahoma City — Making plans sewage disposal plant. $100,000 or more. B. M. Hart, city engr. Pearse, Greely & Hanson, 6 North Michigan Blvd., Chicago, Ill., engrs.

Calif., El Segundo — Made plans 6- to 10-in. vitr. sanitary sewer in Lateral Sewer Dist. 1 (portions of Grand Ave., etc.). To exceed $30,000. R. T. Hutchins, city engr.

Calif., Hayward—Voted $50,000 bonds, sewerage system. J. B. Holly, city engr. Noted Oct. 29.

Calif., San Bernardino — Plans election approximately $400,000 bonds, constructing outfall sewerage system.

BIDS DESIRED

N. Y., Brooklyn—Dec. 23, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, storm and sanitary sewer in East 12th St.; sewers in Avenue K, Nostrand Ave., and East 14th St.; also repairing sewer in Raymond St.

N. Y., New York—Dec. 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sewers in Thayer St. and under sidewalk on west side 1st Ave.

Pa., Phila.—Dec. 22, by Dept. Pub. Wks., Bureau of Engineering, intercepting sewer along Tacony Creek between Bingham St. and Adams Ave.; main sewer in Rowland Ave. between Tudor and Bleigh Sts.; and discharge pipes between Southwest Pumping Station and Eagle Creek. G. H. Biles, dir. Pub. Wks.

Sewers (Continued)

Pa., Phila.—Dec. 22, by Dept. Pub. Wks., Bureau of Engineering, branch sewers in Coleman St. between 58th and 59th Sts.; 2nd St. between Lebanon Ave. and Diamond St.; Lebanon Ave. between 57th St. and Upland Way; Sanger St. between Saul and Large Sts.; and Woolston St. between Middleton St. and Walnut Lane. G. H. Biles, dir.

D. C., Wash.—Dec. 22, by Dist. Comrs., District Bldg., 7,630 lin.ft. 10- to 24-in. sewer in various streets.

O., Cleveland—Bd. Comrs. Cuyahoga Co. taking bids 3,500 ft. 8- to 36-in. vitr. clay or segmental block sewers in Mayfield Rd. and Bebrose Ave., Impvt. 305, Sect. A. To exceed $25,000. F. Williams, Court House, Cleveland, engr.

Ill., Evanston—See "Streets and Roads."

Mo., Senath—See "Waterworks."

Calif., Glendale—City Council taking bids and open same about Dec. 31, 68,637 lin.ft. 8 and 10 in. vitr. pipe, 126 lin.ft. 8 and 10 in. vitr. pipe encased in concrete, c.i. water pipe, wyes, etc., in Lateral Sewer Dist. 2 (North Central Sect.). J. F. Johannsen, city engr. Noted Dec. 3.

BIDS RECEIVED

Mich., Detroit—Dept. Pub. Wks., Dec. 9, 4,583 lin.ft. 6- to 12-ft. brick and concrete cylinder in tunnel, in Schoenherr Rd. Arm Ashland Ave. Sewer, from J. Wagner, 4851 Helen Ave., $281,992; 1,949 ft. 4½ and 3¾ ft. cylinder and 12, 15 and 18 in. crock sewer in Southampton Ave. Arm E., Bedford Ave. Sewer, from S. Fattore, 5436 Fischer Ave., $26,002. Noted Dec. 3.

Wis., Milwaukee—Dept. Pub. Wks., Dec. 11, rein.-con., monolithic concrete and vitr. sanitary sewers in Oklahoma Ave. between 12th and 15th Aves., from G. and L. Zimmermann, 3402 Grand Ave., $35,285; rein.-con. and vitr. sewers in 12th Ave. between Oklahoma and Morgan Aves., also vitr. sewers in 13th Ave. between Oklahoma and Morgan Aves., from Szukalski & Matke Co., 1089 American Ave., $9,256 and $7,223 respectively; rein.-con. and vitr. sewers in 14th Ave. between Oklahoma and Euclid Aves., from F. E. Kaminski, 745 46th Ave., $6,760; vitr. sewer in 14th Ave. between Oklahoma and Euclid Aves., from Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., $5,071; also rein.-con. and vitr. sewers in 15th Ave. between Oklahoma and Morgan Aves., from W. T. Werner, 675 Hi-Mount Blvd., $12,061.

Wis., Wauwatosa—Bd. Pub. Wks., A. V. Brigham, secy., Dec. 11, from Szukalski & Matke Co., 1089 American Ave., Milwaukee, sewers in East North Ave., 730 ft. 42 in. concrete pipe at $11.50 per ft., 750 ft. 36 in. concrete pipe $10.50, 330 ft. 24 in. concrete pipe $8.50, 600 ft. 21 in. concrete pipe $3.90 and 270 ft. 12 in. vitr. pipe $2.75; and from Blunt Bros., Janesville, Wis., and Waterloo, Ia., sewers in 3rd and 4th Aves., 2,450 ft. 8 in. vitr. pipe at $1.48 per ft. Noted Nov. 26.

CONTRACTS AWARDED

N. C., Saluda—See "Streets and Roads."

Miss., Gulfport — City Comrs., storm sewers in various streets, to Hamilton Bros. Co., Gulfport, $97,520.

O., Cleveland — Big Creek Intercepting Sewer in West 73rd St., 3,758 ft. concrete pipe, to Winterbottom-Connelly Co., 1406 West 25th St., $122,400. Noted Nov. 19.

Calif., Los Angeles—A. S. Soule, secy. Los Angeles Co. Sanitation Dist., cement trunk line sewer in Sanitation Dist. 5 (Walnut St., Arbor Vitae, etc.), to Gillespie & Mlagenovich, 1029 West 36th St., $84,729. Noted Oct. 15.

Calif., Los Angeles — For 32,943 house sewers in alley north of 62nd St. and St. Andrews Pl., to J. Artukovich, 626 North Bunker Hill Ave., $63,205. Noted Dec. 3.

Ont., Hamilton—T. W. Jutten, mayor, five 16 in. pumps for Gage Ave. Pumping Sta- Toronto, $41,723; also 2 pumps with two 8 cylinder Sterling gasoline engines, to A. Clark, 7 Main St., West Hamilton, and Smart Turner Co., 191 Barton St., East Hamilton, $42,000. Noted Oct. 15.

Waste Disposal

PROPOSED WORK

Tex., Ft. Worth—Voted $70,000 bonds incinerator plant. O. E. Carr, city mgr. Noted Nov. 12.

Calif., Palo Alto — City and several smaller towns plan securing $75,000 funds for incinerator. J. F. Byxbee, Jr., Palo Alto, city engr.

BIDS DESIRED

N. J., Franklin — Dec. 18, by Common Council, Boro Hall, 5 ton incinerator furnace, etc. M. M. Dolan, boro clk.

Bridges

PROPOSED WORK

Mass., Boston—Making plans six 60 ft. steel girder span draw bridge, 125 ft., Congress St., $800,000; also rebuilding steel and concrete bridge over New York, New Haven & Hartford R.R. tracks, West Newton St., to exceed $25,000. J. E. Carty, Bridge & Ferry Div., City Hall, engr.

Conn., Bridgeport—Making preliminary plans probably steel and concrete swinging draw span bridge, on Stratford Ave. $800,000 bonds authorized. F. W. Behrens, 152 Fairfield Ave., head recently appointed bridge comn. Engineer not selected. Noted July 9.

New Jersey—Joint Bridge Com. Essex Co. (Newark) and Morris Co. (Morristown), plan 4 span 270 ft. plate girder, concrete deck bridge. $105,000. W. A. Stickel, Newark, engr.

Pa., Phila.—Dept. Pub. Wks. plans bridge over Schuylkill River at or near University Ave. on west end and 32nd St. on east end; also bridge to carry 61st St. over Chester Branch of Reading Co. R.R. tracks. W. F. Kendrick, mayor.

Wis., Milwaukee—Election in spring $1,800,000 bonds, approximately 4,000 ft. steel viaduct on 16th St.; also $260,000 bonds, concrete or steel bridge on Lincoln Ave. M. C. Cutler, City Hall, engr.

Wis., Milwaukee—Dept. Pub. Wks. soon takes bids new concrete and pile bridge abutment on Cherry St. $25,000; also new fender piling at various bridges, here. $25,000 each. M. C. Cutler, City Hall, engr.

Wis., Sheboygan — G. W. Ubbelohde, highway comr. Sheboygan Co., making plans concrete bridges, one, here, $17,000; in Sheboygan Falls, $24,000; Lima, $15,000; Holland, $17,000; Franklin, $15,000; and 3 concrete bridges in Lyndon, $7,000. J. T. Donaghey, Madison, highway engr.

Kan., Eldorado—Butler Co. made plans one 30 ft. and two 25 ft. deck girder, also one 150 ft. truss span bridges, 20 ft. wide, also three 8 x 24 ft., three 12 x 28 ft., five 6 x 28 ft. and eight 8 x 28 ft. culverts, on Federal Aid Project 239-D. E. S. Elcock, Court House, co. engr.

Kan., Olathe—See "Streets and Roads."

Kan., Topeka—Voted $70,000 bonds for Branner Viaduct, $162,000 for 6th St. viaduct, $90,000 repairing Melan Bridge; also defeated $337,000 bonds 10th St. viaduct, and $545,000 bonds for Topeka Ave. Bridge. E. M. Covell, city clk. Noted Nov. 5.

Mo., Cape Girardeau—Chamber of Commerce, c/o E. C. Hackett, chn., making preliminary plans steel and concrete vehicular bridge over Mississippi River. To exceed $25,000. F. W. Adgate, c/o Foundation Co., 209 La Salle St., Chicago, Ill., engr.

Tex., Boston—See "Streets and Roads."

Tex., San Antonio—Bexar Co. making plans and soon takes bids 200 ft. rein.-con. bridge across Olmos Creek, $75,000; also 150 ft. timber and steel bridge with two 129 ft. approaches across Medina River, $50,000. A. C. Pancoast, 102 Turner St., engr.

Tex., Seymour—See "Streets and Roads."

Tex., Sweetwater — See "Streets and Roads."

Okla., Dover—State Hy. Dept., Oklahoma City, making preliminary plans new 5 span 960 ft. concrete and steel truss bridge over Cimarron River, here. $200,000. J. M. Page, highway engr.

Wash., Tacoma—Making plans new 170 ft. span rein.-con. bridge and approaches, on Proctor and 31st Sts. $110,000. Tacoma Railway & Power Co., 1306 A St., appropriates toward cost. J. C. Manley, City Hall, engr.

Ore., Homestead—State Hy. Dept., Portland, takes bids about Jan. 1, bridge over Snake River, here, for States of Oregon and Idaho. $60,000.

Ont., London — London Suburban Areas Comn. making plans 2 steel and concrete bridges, one to have 90 ft. and other 60 ft. span, over Hamilton Rd., Middlesex Co. C. Talbot, County Bldgs., London, engr.

BIDS DESIRED

Md., Baltimore—Dec. 30, by Bd. Awards, c/o City Register, for Mount Washington Viaduct, steel and concrete. S. Purcell, highways engr.; adv. E. N.-R. Dec. 17.

Fla., Key West—See "Streets and Roads."

Fla., West Palm Beach—Jan. 6, by Bd. Comrs. Palm Beach Co., 45 ft. double-leaf bascule draw span bridge and concrete approaches over Loxahatchee River. A. O. Taylor, co. engr.; adv. E. N.-R. Dec. 17.

Kan., Marion — Dec. 23, by A. L. Socolofsky, clk. Marion Co., two 30 ft. deck girder and one 100 ft. steel span bridge, 20 ft., on Federal Aid Project 226. C. M. Hartsock, Court House, engr.

Tex., Breckenridge — See "Streets and Roads."

Tex., El Paso—See "Streets and Roads."

Okla., Enid—See "Streets and Roads."

Washington—Jan. 5 (extended date), by State Hy. Dept., Olympia, approximately 2,474 ft. steel and concrete bridge over Columbia River, on State Rd. 7, Vantage Ferry. J. W. Hoover, highway engr. Noted Oct. 29.

BIDS RECEIVED

La., Monroe — State Hy. Comn., Baton Rouge, Dec. 1, repairing Monroe Traffic Bridge, State Aid Project 159, Sect. R, Ouachita Parish, here, from Austin Bridge Co., 1813 Clarence St., Dallas, Tex., $52,127. Noted Nov. 26.

Tex., Houston—City, c/o O. F. Holcomb, mayor, and Harris Co., c/o Auditor, rein.-con. bridge over Brays Bayou, at Lawndale Ave., from Elkins & Kimey, 105 Stiles St., $50,865. Engrs. est. $60,000. Noted Nov. 12.

CONTRACTS AWARDED

N. Y., Yonkers—Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, Bronx River Parkway Dr. Bridge 6, stone and rein.-con. over Bronx River Parkway Dr. at Yonkers Ave., here, to Fox Reynolds & Co., Inc., 81 East 125th St., New York City, $115,830. Noted Dec. 10.

New Jersey—State Hy. Comn., Trenton, rein.-con. trunnion bascule bridge over Tuckahoe River, M. P. 29.5, on Route 14, Atlantic and Cape May Counties, to S. S. Thompson, Herbert St., Red Bank, $109,946. Noted Dec. 3.

Pa., Pittsburgh—Allegheny Co., masonry approaches for Liberty Bridge 10, 2,775 ft. long, 54 ft. wide over Monongahela River, to Vang Constr. Co., Bessemer Bldg., $187,570. Noted Oct. 29.

Fla., Tavares—Lake Co., Howey Bridge, 7,890 ft. long across Little Lake Harris, to W. H. Williams Co., 3318 Coliseum, New Orleans, La., $207,800.

Ia., Denison—Crawford Co., one 120 ft. high truss and two 60 ft. pony truss bridges, both 20 ft. wide, on Denison-Dow City Rd., to Lundgren-Reis Co., 65 College Ave., Des Moines, $46,000.

Ia., Keosauqua—Van Buren Co., 50 x 24 ft. concrete arch bridge, to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, $13,106, 50 x 20 ft. pony truss bridge and culverts, to Lundgren-Reis Co., 65 College St., Des Moines, $14,000 and $6,710 respectively; several box culverts to Jamison & Price, Keosuaqua, $17,365; box culverts and 32 x 24 ft. bridge to A. Melberg, Vinton, $15,290 and $4,550 respectively, all on Federal Aid Project 222-E. Grand total $71,021.

Kan., Oskaloosa—Jefferson Co., bridges on Federal Aid Projects 222-G and 227, Rock Creek Bridge, 70 ft. steel and concrete rainbow arch span, 20 ft., on Southwest Trail 1 mi. from Meridian and Stonehouse Bridge, 90 ft. rainbow arch span, 20 ft., on Golden Belt Rd. ½ mi. from Stonehouse, to Yancy Constr. Co., Abilene, $25,809. Noted Sept. 3.

Kan., Ottawa—City, bridge over Marias Des Cygnes River at Main St., Contr. 1, 595 lb. structural steel, to Bethlehem Steel Co., Bethlehem, Pa., $29,869; Contr. 2, substructure and erection of bridge, 1,375 cu.yd. concrete, 114,000 lb. reinforcing, 595,000 lb. structural steel, 1,420 sq.yd. brick paving, 3,450 sq.ft. sidewalks, 6,700 cu.yd. excav., temporary bridge, etc., to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., $64,568; Contr. 3, 4,000 cu.ft. granite, to Cement-Gun Co., Inc., Allentown, Pa., $8,615. Grand total $103,052. Noted Oct. 1.

Kan., Paola—See "Streets and Roads."

Kan., Winfield—Cowley Co., four 140 ft. steel truss spans on concrete piers and abutments over Arkansas River, at Summit Ave., Federal Aid Project 231-B, to Western Bridge Co., Harrisonville, Mo., $77,178.

Washington—State Hy. Dept., Olympia, six short standard concrete span bridge and 3 concrete box culverts, on State Rd. 9, Thurston and Grays Harbor Counties, to Phillips & Newell, 1628 Water St., Olympia, $31,086; and bids returned unopened for one 50 ft. rein.-con. T-beam bridge over Wapato Canal, on State Rd. 3. Project abandoned. Noted Nov. 19.

Wash., Bellingham — Comrs. Whatcom Co., 6,000 ft. pile trestle approaches for new bridge, on Guide Meridian Highway, to F. L. Cramer, Bellingham, $55,597.

Calif., Long Beach — Rein.-con. bridge over flood control channel, on Bway., to S. M. Kerns, 1403 East Anaheim St., $207,772. Noted Dec. 3.

Calif., Oakland—W. H. Leimert Co., Syndicate Bldg., rein.-con. bridge, near Hollywood Ave. and Park Blvd., to Bates & Borland, Bank of Savings Bldg., $137,000.

Dam

PROPOSED WORK

Neb., Spencer—See "Buildings—Industrial."

Railways

PROPOSED WORK

South Carolina and North Carolina — W. S. Blakeney and associates, Monroe, N. C., plan 30 mi. railroad from Jefferson, S. C., via Pageland to Monroe, N. C. Engineer not selected.

Tennessee — See "Buildings — Industrial under Nashville."

Illinois — Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, plans 4.5 mi. railway from Streator-LaSalle branch to Lowell, southwest of Ottawa. $100,000. A. W. Newton, ch. engr. This corrects report in Nov. 19 issue.

Missouri—St. Louis, Troy & Eastern Ry. Co., 1121 Lucas Ave., St. Louis, making preliminary plans eastern railroad approach, consisting of 7,500 ft. permanent steel and concrete elevated structure from present right-of-way to McKinley Bridge, Venice, Ill. $1,000,000. B. L. Brown, Merchants Laclede Bldg., St. Louis, ch. engr.

California — Key System Transit Co., 22nd and Grove Sts., Oakland, made plans two loops in downtown section of Oakland. $80,000. Private plans.

Ontario—Temiskaming & Northern Ontario R.R., North Bay, soon takes bids 32 mi. railroad extension from terminus north of Cochrane to Kaolin City, on Mattagami River. S. B. Clement, North Bay, ch. engr.

Ontario—Windsor Utilities Comn., Windsor, making plans double tracking various streets in Windsor. $100,000. A. Fairlie, comn. engr.

BIDS DESIRED

Minnesota—See "Contracts Awarded."

BIDS RECEIVED

New York—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Long Island City, relocating tracks of Manhattan & Queens Traction Corp., in Queens Blvd. from Van Dam St. to 56th Ave., in Long Island City, from Eastern Contg. Co., 373 Fulton St., Brooklyn, $294,437.

CONTRACTS AWARDED

Minnesota—Minneapolis Street Railway Co., 11th St. and Hennepin Ave., Minneapolis, will extend tracks, incl. double tracking, re-railing and paving between rails, in Minneapolis, by day labor. $600,000.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Ia., Cedar Rapids—Plans election $185,000 bonds improving Red Cedar River front along north end of island, incl. walls on east bank between 1st and 3rd Aves. T. F. McCauley, city engr.

Tex., Dallas—Levee Dist. 1, c/o J. H. Prince, Wilmer, member, Dallas Co., election Dec. 28, $50,000 bonds, improving levee.

Tex., San Angelo—San Angelo Irrigation Dist., Tom Green Co. plans irrigating 50,000 acres land and damming Concho River 5 mi. from here. $3,000,000 or more. R. H. Compton, pres. San Angelo Bd. City Development.

Calif., Blythe — Palo Verde Irrigation Dist., Riverside Co., made plans approximately 24 mi. irrigation canals, 40 acres clearing, 450,000 cu.yd. earth excav. Caldwell & Richards, 2923 South Hoover St., Los Angeles, Calif., engrs.

Calif., Colusa — Reclamation Dist. 1004 plans irrigation and drainage canal extensions. $40,000.

Calif., Richmond—Rejected bids dredging 180,000 cu.yd. in Inner Harbor. To exceed $40,000. Will readvertise. E. A. Hoffman, city engr. Noted Nov. 26.

BIDS DESIRED

Pa., Phila.—Dec. 22, by Dept. Pub. Wks., Bureau of Engineering, borings for Pennsylvania Terminal, West River Dr. between Spring Garden and South Sts., incl. 2,900 ft. borings on land with churn drill, 200 ft. wash borings, 300 ft. core borings in rock on land, and 200 ft. core borings in water. G. H. Biles, dir.

La., Thibodaux — Jan. 6, by Comrs. Lafourche-Terrebonne D. D., Court House, gravity drainage system, 1,000,000 cu.yd. excav., etc. J. A. Lovell, engr.

Illinois — Dec. 30, by D. Laufer, W. Mencke and G. Bettenhausen, comrs. Union D. D. 6, towns Orland, Cook Co. and Frankfort, Will Co., at office of J. Creer, Orland State Bank Bldg., Orland, cleaning 2.75 mi. drainage ditch, 27,190 cu.ft. excav., etc.

Ill., Chicago — Dec. 21, by Bd. Local Impvts., Room 207, City Hall, South Water Street Impvt., Sect. 9, incl. excavation, 300 ft. 7 x 7 ft. new dock construction, piles, sheeting, and 12 caissons. $500,000. T. A. Evans, c/o Bd. Local Impvts., engr.

Ill., Danville—Dec. 22, by Comrs. Johnson D. D. Vermilion Co., at office Clark & Hutton, 1st Natl. Bank Bldg., main open ditch, incl. 57,050 cu.yd. excav., furnishing, hauling, laying 80,799 ft. 8- to 30-in. tile and 200 ft. 54 in. rein.-con. pipe, etc. $90,000. J. F. Fisher, 209 Dale Bldg., engr.

Mo., Jackson—Dec. 22, by Cape Girardeau Co. Court, enlarging ½ mi. open ditch to 8 ft. bottom and constructing 4 mi. open ditch 4- to 8-ft. bottom width, in D. D. 1, approximately 63,000 cu.yd. excav. W. M. Mulholland, Cape Girardeau, engr.

Calif., Colusa — Trustees Sacramento River West Side Levee Dist., c/o T. Rutledge, atty., Colusa Co., taking bids reconstructing 2 mi. levees, 75,000 cu.yd. to be added to rear of levee or average of 6.8 yd. per ft., requiring floating clamshell dredge, machine to pump 160 ft. laterally from hull. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr.

Calif., Merced—Dec. 22, by H. P. Sargent, secy. Merced Irrigation Dist., Merced Co., cleaning 7 mi. irrigation canal, 20,000 cu.yd. excav.

CONTRACTS AWARDED

Minn., Worthington—C. J. Kall, aud. Nobles Co., 22,900 ft. open Judicial Ditch 9, 179,295 cu.yd. excav., to E. L. Hatten, Britt, Ia. $16,136; furnishing 146,800 ft. 6- to 48-in. drain tile, to North Star Concrete Co., West Mankato, $54,601; and laying tile, to O. Huso, Lake Mills, Ia., $30,970. Grand total $101,707. Noted Nov. 12.

Tex., Ft. Worth—See "Buildings—Commercial under Proposed Work."

Calif., Meridian — Reclamation Dist. 70, Sutter Co., to Ajax Dredging Co., 249 1st St., San Francisco, deepening and enlarging 5,800 ft. main drainage canal, 9,600 cu.yd. excav. $0.158 cu.yd., also 12,800 lin.ft. Lateral 5, 7,500 cu.yd. excav. $0.169 lin.ft.

Calif., Tracy—Trustees West Side Irrigation Dist., San Joaquin Co., will construct drainage canals, 52,000 cu.yd. excav., by district forces. Former bids rejected. W. D. Harrington, Tracy, engr.

Streets and Roads

PROPOSED WORK

Mass., Boston—Plans constructing and extending Gardner St., here, to Brighton Dist. $25,000. J. F. Sullivan, secy. Street Layingout Dept.

Mass., Gloucester—Plans reconstructing Western Ave. $100,000 appropriated. Private plans.

Mass., Westboro—Plans improving various roads. $26,000 appropriated. State, Worcester Co. and Town to share expense. Private plans.

N. J., Trenton—Mercer Co. plans macadam and concrete paving 6 mi. road between here and Pennington. $480,000. H. F. Harris, Court House, engr.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, making plans grading, etc., Island and Georgian Rds., 19th, Spangler and 66th Sts., etc.

N. C., Morehead—Plans to issue $75,000 bonds, street and sidewalk improvements.

Fla., Lynn Haven—Voted $25,000 bonds, paving various streets.

La., De Ridder—Beauregard Parish voted $226,000 bonds, improving various streets.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Lone Oak-Houston Co. line Rd., Montgomery Co. and 9 mi. Memphis to Bristol Highway from Ellendale to Arlington, Shelby Co. C. N. Bass, acting comr.

Tenn., Nashville — City Council appropriates $180,000, improving various streets, sidewalks and sewers during 1926. H. E. Howse, mayor.

O., Canton — Bd. Control takes bids in spring asphalt surfacing Gibbs Ave. N. E. from 12th to 19th Sts., $50,000; and 9th St. N. W. from McKinley Ave. to Fulton Rd., $30,000. W. E. Sarver, City Hall, engr.

O., Cincinnati—Plans grading, curbing, guttering and concrete surfacing 24,500 sq. yd. and asphalt macadam surfacing 200 sq.yd. Quebec Rd. $25,000. F. Krug, City Hall, engr.

O., Cincinnati—Hamilton Co. plans grading and concrete surfacing 12,000 sq.yd. and asphaltic concrete surfacing 250 sq.yd. North Bend Rd. $41,720; and grading and concrete surfacing 22,575 sq.yd. Camargo Rd., $96,215. E. A. Gast, Court House, engr.

Ind., Anderson — Plans concrete paving 17,600 sq.yd. 19th St. $31,000. M. H. Denney, Anderson, city engr.

Ind., Plymouth—Marshall Co. plans grading and graveling 7.5 mi. Claybaugh Rd. 26 ft. $43,225. J. Hildebrand, Plymouth, engr.

Ill., Wilmette—Plans paving about 4 mi. various streets and repaving Forest Ave. $150,000. C. N. Roberts, 105 North Clark St., Chicago, engr.

Wis., Elkhorn — Walworth Co., H. J. Peters, highway comr., making plans concrete paving 3.75 mi. Highway 89. J. T. Donaghey, Madison, ch. engr.

Wis., Fond du Lac—Fond du Lac Co., G. W. Treleven, highway comr., making plans 16 ft. gravel surfacing 31.7 mi. Highways E, G, I, N, S, and Y; also 20 ft. concrete paving 4.3 mi. Highway 23. J. T. Donaghey, Madison, ch. engr.

Wis., Milwaukee — W. F. Cavanaugh, highway comr. Milwaukee Co., making plans 18 and 20 ft. concrete paving 6 mi. Highways 74, 100 and 119; and widening 3 mi. Blue Mound Rd. J. T. Donaghey, Madison, highway engr.

Wis., Waukesha—C. J. Hahn, highway comr. Waukesha Co., making plans concrete surfacing, etc., 9.75 mi. Highways 74, 19, 119 and 83. J. T. Donaghey, Madison, highway engr.

Ia., Des Moines—Soon takes bids hardsurfacing 3,157 sq.yd. 8th St., 154 sq.yd. alley west of 14th St., 732 sq.yd. 16th St., 873 sq.yd. Lynn St., $3,632 sq.yd. 40th St., 1,695 sq.yd. Southwest 13th St., 1,675 sq.yd. Southwest 12th St., 1,702 sq.yd. 45th St., and 2,580 sq.yd. 4th St. K. C. Kastberg, City Hall, engr.

Ia., Le Mars—Making preliminary plans grading, curbing and hardsurfacing various streets. $30,000. J. M. Hays, city clk.

Ia., West Union—Plans paving 30 blocks various streets. $100,000. Brown & Cook, Ottumwa, engrs.

Minn., St. Paul—Making plans paving Minnehaha St. between Payne Ave. and bridge, $36,000; also Pennsylvania Ave. and Arch St. between Mississippi and Rice Sts., $64,500. G. M. Shepard, city engr.

Kan., Colby—Takes bids in spring grading, curbing and hardsurfacing various streets. $50,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Kan., Independence — Montgomery Co. soon takes bids grading and brick or concrete paving 1.135 mi. Laurel Rd., Project 22-A, and 1.228 mi. Walnut Rd., Project 23-A, both 18 ft. H. K. Hibbard, Court House, engr.

Kan., Medicine Lodge—Barber Co. takes bids about Mar. 1, grading and gravel surfacing 4.25 mi. Federal Aid Project, also two 30 ft. deck girder and one 100 ft. steel bridges. L. A. Tilton, Court House, co. engr.

Kan., Olathe—Johnson Co. making preliminary plans concrete or brick paving 0.7 mi. Ft. Scott Short Line Rd., Federal Aid Project 246-D and 6.17 mi. same road Sect. E, both 18 ft.; also one 100 ft. steel bridge on Sect. D and three 70 ft. and one 50 ft. span bridges over Blue River on Sect. E. E. J. Terrill, Court House, co. engr. H. T. Caywood, Kansas City, Kan., consult. engr.

Mo., St. Louis—W. and C. Brinkop, Jr., Grand Blvd., making preliminary plans, grading, sidewalks, etc., on 11 acre subdivision on Loughborough Ave. $35,000 upwards. Pitzman Eng. & Survey Co., 615 Chestnut St., engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids vitr. brick paving 25,260 ft. Easton Ave., $164,375; recut granite block paving, etc. 18,800 yd. Franklin St., $128,500; and Warrenite paving, etc. 5,820 yd. Pennsylvania Ave., $34,800. W. W. Horner, 300 City Hall, engr.

Ark., Ft. Smith—Election Feb. 10, to vote on bonds, buying or condemning and paving, sidewalks, etc. on South 7th, 8th, 10th, and 12th Sts. E. Henderson, city clk.

Tex., Belleville—Austin Co. making plans gravel surfacing 9.16 mi. State Highway 36, Federal Aid Project 433-A, Unit 2, 18 ft. $80,000. H. Schroeter, Belleville, engr.

Tex., Boston—Bowie Co. making plans grading, bridging and gravel surfacing 6.92

VENTILATION BUILDINGS—NEW YORK, N. Y.

Bids were opened by New York State Bridge & Tunnel Commission and New Jersey Interstate Bridge & Tunnel Commission, Woolworth Bldg., Oct. 6, for two ventilation buildings at Washington St., Canal Pier and Spring St., Contr. No. 13, (A) De Riso Bros., 50 East 42nd St. (awarded contract); (B) D. C. Serber, Inc., Grand Central Terminal; (C) G. Colon & Co., Inc., 81 East 125th St.; (D) E. Diebitsch, Inc., 70 East 45th St.; (E) T. J. Waters Co., 415 Lexington Ave.; Frederick Snare Corp., 114 Liberty St., $1,465,015; Lustig & Weil, 103 Park Ave., $1,477,415; Niewenhous Co., Inc., Exterior Ave. and 152nd St., $1,544,890; John T. Brady & Co., 103 Park Ave., $1,738,056; ventilation work in connection with same, Contr. No. 24, (A) Booth & Flinn, Ltd., Green and Tompkins Aves., Brooklyn (awarded contract); (B) Shevlin Engineering Co., Inc., 5 Beekman St.; (C) Peerless Engineering Co., 71 8th Ave.; (D) Wagner Engineering Co., Inc., 598 11th Ave.; (E) Erickson Engineering Co., Inc.; Hart & Early Co., Inc., $51,650; J. W. Hooley, 70 East 45th St., $58,000; Fox Reynolds Co., Inc., 81 East 125th St., $64,200. The unit bids of the lowest five bidders are as follows:

	A	B	C	D	E
4,000 cu.yd. concrete and mortar top course	$27.00	$30.00	$36.75	$31.00	$28.00
500 cu.yd. cinder concrete	11.00	16.00	15.75	16.00	19.00
140,000 sq.ft. 3 in. gunite slabs	1.31	1.30	1.30	1.32	1.20
5,000 sq.ft. 3½ in. gunite slabs	1.38	1.40	1.37	1.40	1.21
6,500 sq.ft. 4 in. gunite slabs	1.47	1.50	1.46	1.49	1.29
300 sq.ft. 4½ in. gunite slabs	1.56	1.60	1.53	1.56	1.46
25,000 sq.ft. ¼ in and ⅜ in gunite coating	.51	.55	.55	.56	.47
10,000 sq.ft. 2 in. gunite protection	.95	1.00	.94	.97	.85
350 cu.yd. gunite column protection	125.00	120.00	126.00	127.92	115.00
1,330 ton built-up steel and tie-rods	118.00	115.00	119.50	112.80	112.00
15 ton miscellaneous steel and iron	335.00	400.00	441.00	495.05	400.00
800 ton steel beams and channels and connections	92.00	115.00	94.50	87.25	95.00
60 ton steel rods and bars for reinforcing	120.00	140.00	126.00	140.70	160.00
160 ton expanded metal and wire mesh	254.00	255.00	252.00	256.20	250.00
105 ton special steel structures	335.00	400.00	388.50	442.45	400.00
10 mo. engineer's field office services (per month)	100.00	100.00	105.00	215.00	100.00
Completing interior Spring Street shaft (lump sum)	7,000.00	5,000.00	4,208.00	16,163.00	16,900.00
Completing interior Canal Street shaft (lump sum)	6,900.00	5,000.00	4,295.00	16,163.00	18,800.00
Completing interior north river shaft (lump sum)	14,000.00	12,500.00	11,200.00	24,641.00	27,000.00
Completing interior south river shaft (lump sum)	13,000.00	11,600.00	9,765.00	22,669.00	26,000.00
600 sq.yd. new cement sidewalk	3.50	4.00	4.72	3.10	4.50
400 lin.ft. new granite curbing	6.00	6.00	7.35	6.93	6.00
General construction land ventilating building	273,000.00	231,500.00	277,258.00	259,044.00	315,000.00
General construction river ventilating building	172,600.00	186,800.00	194,700.00	208,900.00	200,000.00
Plumbing, heating, water supply	33,000.00	37,000.00	40,062.00	46,842.00	44,000.00
Electrical conduit for land buildings and land shafts	26,000.00	30,000.00	29,317.00	26,125.00	27,000.00
Electrical conduit for river building and river shafts	28,000.00	30,000.00	30,066.00	26,885.00	26,000.00
Extended totals	$1,277,953	$1,291,130	$1,359,227	$1,380,580	$1,395,183

	A	B	C	D	E
50 cu.yd. concrete floor and pedestals, including mortar finish	$25.00	$55.00	$22.00	$18.00	108.00
3,000 lb. galvanized miscellaneous steel work, including wire screen enclosure	.30	.368	.25	.40	.35
30 ton c.i. pipe and specials, including placing but not furnishing valves and strainers	250.00	325.00	320.00	396.00	500.00
2,000 lb. brass pipe and fittings including placing but not furnishing valves	.60	.575	.65	.56	1.00
23 pumps furnished and installed complete (lump sum)	26,850.00	26,875.00	28,882.00	27,635.00	22,400.00
Extended totals	$37,700	$41,629	$41,632	$42,735	$45,850

Streets and Roads (Continued)

mi. State Highway 98, Simms Rd., 16 ft. $43,000. F. E. Hess, Boston, engr.

Tex., Dallas—Plans paving 12 mi. around White Rock Lake. $300,000. E. A. Kingsley, city engr.

Tex., Denton—Making preliminary plans hard paving about 6 blocks East Hickory St. $35,000. H. T. Brewster, Denton, engr.

Tex., Ennis — Election Dec. 31, $60,000 bonds, paving and sewers in various streets. H. McCanless, city engr.

Tex., Hallettsville — Lavaca Co. making plans two course limestone rock asphalt on gravel and waterbound macadam paving 20 mi. State Highway 3, Yoakum-Schulenburg Rd., 18 ft. $425,000. W. H. Koether, Hallettsville, engr.

Tex., Hillsboro — Making preliminary plans hard paving West Elm St. $60,000. Address A. M. James. city secy.

Tex., Karnes City—Karnes Co. making plans grading, bridging and asphaltic macadam surfacing 7 mi. Highway 16 from North line of Rd. Dist. 3 to Wilson Co. line, $180,000. O. N. Powell, Kenedy, engr.; election Dec. 19, $300,000 bonds improving highway in Kenedy Rd. Dist., election soon $300,000 bonds, improving highway in Gillette Rd. Dist., and election Dec. 28, $225,000 bonds, improving highway in Runge Rd. Dist., D. O. Klingeman, Karnes City, co. judge.

Tex., San Antonio — Making preliminary plans asphalt or bitulithic on hard surface paving 8 blocks South New Braunfels Ave., 45 ft., $50,000 and hard base with choice of surfacing decided by engineers 7 blocks South Medina St., 45 ft. $42,000.

Tex., Seymour—Baylor Co. making plans grading and bridging 20.6 mi. State Highway 24, from Seymour to Archer Co. line, 26 ft. $65,000. J. G. Rollins, Seymour, co. engr.

Tex., Sweetwater — Nolan Co. making plans grading and bridging 9.098 mi. State Highway 7, Federal Aid Project 498, Unit 1, 26 ft. $40,000. J. A. Focht, Sweetwater, co. engr.

Tex., Tulia—Making preliminary plans vitr. brick paving 50,000 sq.yd. various streets. $175,000. F. E. Devlin, 614 Bitting Bldg., Wichita, Kan., engr.

Tex., Wichita Falls—Voted $70,000 bonds paving various streets. F. M. Rugely, city engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading and paving 10 mi. State Road 2 from Medford to Pond Creek, 30 ft. $30,000. J. M. Page, highway engr.

Okla., Enid—Plans grading, curbing and concrete paving 14,775 sq.yd. 11th, Linden, Washington and Ferry Sts. $46,000. F. C. McGruder, Enid, engr.

Okla., Marland—Plans grading and concrete paving 8,600 sq.yd. Main St. $27,200. Engineer not selected.

Okla., Marshall — Making preliminary plans grading, curbing, guttering and gravel surfacing 5 blocks Main St., 76 ft. $25,000. Engineer not selected.

Okla., Ryan—Plans grading and vertical fibre brick paving 8,100 sq.yd. Main St. $32,000. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr. Noted Dec. 17.

California—Sears Point Toll Road Co., O. A. Stewart, pres., 58 Sutter St., San Francisco, plans 10-mi. macadam road from Sims Ave., Solano Co. (Fairfield) to state highway through Sears Point, Sonoma Co. (Santa Rosa).

Calif., Anaheim—Plans paving approximately 1,000,000 sq.ft. various streets. To exceed $200,000. E. P. Hapgood, city engr.

Calif., Los Angeles — Takes bids about Jan. 1, grading curbing, guttering, sidewalks, sewers and concrete paving Lucerne Blvd., Ave. 46, 3rd, Wilcox, Roseda, Santa Barbara, 2nd, Higman, Lexington and El Centro Aves., also Mott, 3rd, Temple and 84th Sts., etc. To exceed $125,000. J. C. Shaw, City Hall, engr.

Calif., Los Angeles—Bd. Pub. Wks., rejected bids curbing, sidewalks, sewers and 5 in. concrete paving, etc., 238,462 sq.ft. Hub St. between Avenues 51 and 53. Will readvertise. G. Jones, Hall of Records, engr.

Calif., Oakland—Made plans improving 102nd Ave., 66,663 sq.ft. oil macadam paving, 3,936 lin.ft. concrete curbing, 7,872 sq.ft. concrete guttering, 23,615 sq.ft. cement walks, 4,598 cu.yd. excav. W. W. Harmon, city engr.

Calif., Pomona—Made plans curbing, 6 in. concrete paving, etc., portion of Garey Ave. To exceed $30,000. F. C. Froehde, city engr.

Calif., San Diego—Common Council plans improving Pearl St., Girard Ave., etc., 220,858 sq.ft. 6 in. and 18,359 sq.ft. 5 in. concrete paving, 12,792 sq.ft. concrete sidewalks, 2,805 lin.ft. concrete curbing, 1,318 lin.ft. 6 in. concrete sewer main, etc.; also Brighton Ave., 138,929 sq.ft. 5 in. concrete paving, 2,152 lin.ft. concrete curbing, 15,465 sq.ft. concrete sidewalks, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving Diamond St., 237,675 sq.ft. 5 in. concrete paving, 12,647 cu.yd. excav., 2,610 lin.ft. cement curbing, etc.; also Front, Upas and Thorn Sts., 122,192 sq.ft. 1½ in. asphaltic concrete on 2½ bituminous paving, 591 cu.yd. excav., etc. R. A. Rhodes, city engr. Noted Sept. 24.

Calif., Walnut Creek — Made plans improving various streets, 136,527 sq.ft. two course 2 in. on 5 in. asphaltic macadam, 14,084 sq.ft. concrete guttering, 186,527 sq.ft. grading, 50,000 sq.ft. vibrolithic concrete paving, etc. R. L. Calfee, 221 South 22nd St., Richmond, engr.

Calif., Wasco—Kern Co. (Bakersfield), made plans curbing, guttering, 6 in. concrete, 2 in. on 4 in. asphaltic concrete or 2 in. Warrenite bitulithic on 4 in. asphaltic concrete paving 96,129 sq.ft. various streets here. J. R. Thornton, Bakersfield, co. surv.

Ont., London—Middlesex Co. plans concrete paving various streets. $100,000. C. Talbot, County Bldg., engr.

Ont., Sandwich—Essex Co. making plans concrete paving various streets. $80,000.

BIDS DESIRED

N. Y., Brooklyn — Dec. 23, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and permanent asphalt on 6 in. concrete paving Vermont St. from Livonia to New Lots Aves., and 19th Ave. from 68th St. to Bay Ridge Ave.

N. Y., Long Island City — Dec. 23, by Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., New York City, improving and paving transverse road in Jacob Riis Park, here.

N. Y., New York—Dec. 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing, flagging, and sheet asphalt on concrete paving, etc., Bennett Ave.; also grading and granite block paving 10th Ave.

N. Y., St. George — Dec. 18, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Richmond Ave. from Signs Rd. to Rockland Ave.

Ga., Atlanta—Dec. 21, by C. A. Price, purch. agt., asphalt and concrete paving various streets. $75,000.

Fla., Key West—Jan. 7, by Bd. Comrs. Monroe Co., continuing route of Over Sea Highway along the Florida Keys, and constructing 4 pile timber trestles across the openings. J. O. Kirchheiner, chn.; adv. E. N.-R. Dec. 17.

O., Maple Heights (mail Cleveland) — Dec. 24, by City, paving Krems, Tokay, Tabor, Brunswick, Mapleboro, Waterbury, Beechwood, Mountville, Gardenvias Sts., etc. To exceed $50,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

Streets and Roads (Continued)

Ind., Fort Wayne—Dec. 19, by O. M. Darling, engr., Fort Wayne, concrete surfacing 23,232 sq.yd. Seddlemeyer Rd., for Allen Co. $57,200.

Ind., Kendallville — Dec. 19, by City Council, stone curbing and sheet asphalt on concrete paving 43,166 sq.yd. 5 streets. $131,000. Address City Engineer.

Ind., La Porte—Dec. 19, by P. Summy, engr., La Porte, grading and graveling 3.5 mi. Slater Rd., 26 ft., for Pa Porte Co. $26,000.

Wis., Kenosha—See "Contracts Awarded."

Wis., Port Washington—See "Contracts Awarded."

Wis., Racine—See "Contracts Awarded."

Wis., West Bend — See "Contracts Awarded."

S. D., Vermilion—Dec. 28, by City, c/o C. J. Vaughn, aud., paving approximately 10 blocks various streets. $45,000.

Mo., Lebanon—Dec. 21, by City Clerk, 2.5 in. asphaltic concrete resurfacing approximately 17,000 sq.yd. Commercial, Jefferson, Madison Sts., etc. Russell & Axon, 412 McDaniels Bldg., Springfield, engrs. Noted Dec. 3.

Mo., St. Louis—Jan. 5, by Bd. Pub. Serv., 208 City Hall, brick paving, etc., San Francisco St. between Kingshighway and Geraldine Sts. $23,600, and Wilson St. between Cooper and Edwards Sts. $11,200; Kentucky rock asphalt paving, etc., Wellington St. between Leamington and Manhattan Sts., $10,000; asphaltic concrete paving, etc., Leamington St. between Commonwealth and Manhattan Sts. $4,725, Humphrey St. between Gustine and Russell Sts. $7,720, and Humphrey St. between Russell and Oak Hill Sts. $7,320; asphalt or Warrenite paving, etc., Nebraska St. between Park and Magnolia Sts., $64,200; Warrenite paving South and North Utah Places between Grand and Gustine Sts. $60,000, Humphrey St. between Grand and Gustine Sts. $31,600, and Utah St. between Gustine and Russell Sts. $8,200. W. W. Horner, 300 City Hall, engr.

Texas — Dec. 24, by State Hy. Comn., Austin, clearing, grubbing, bridging and bituminous concrete on sledged stone paving 16.83 mi. State Aid Project 639, $585,600; also grading, bridging and bituminous concrete on sledged stone paving 17. 76 mi. State Highway 67, State Aid Project 640, $502,200, both 18 ft., in Stephens Co. G. E. Franklin, Eastland, engr. Noted Oct. 1.

Tex., Breckenridge — Dec. 24, by G. E. Franklin, engr., Breckenridge, grading, bridging and 2 in. bituminous, bitulithic, amiesite, or national on stone paving 17.76 mi. road from here to Young Co. line, State Project 640, $502,200; and 16.83 mi. road from here to Throckmorton Co. line, State Project 639, $585,600 for Stephens Co.

Tex., El Paso—Dec. 24, by F. W. Wilson, engr. El. Paso Co., grading and 2 concrete and timber bridges on 1.99 mi. highway east Ysleta. $30,000.

Okla., Enid—Jan. 5, by City Clerk, grading, curbing and 3 in. rein.-con. slab paving 6 blocks various streets, 20 ft.; also one 30 ft. span rein.-con. bridge. $26,000. F. C. Magruder, City Hall, engr. Noted Dec. 10.

Calif., Burlingame—City Trustees taking bids curbing, guttering, walks, and 1½ in. Warrenite bitulithic on 4½ in. concrete paving, etc., 183,143 sq.ft. Adeline Dr., Balboa St., etc. To exceed $50,000. J. James, city engr. Noted Dec. 10.

Calif., Los Angeles—Dec. 28, by Supervs. Los Angeles Co., improving Moneta Ave. from 93rd St. to Pacific Electric Railway right-of-way, 13,385 cu.yd. excav., 270,607 sq.ft. 6 in. concrete paving, 281,166 sq.ft. 2 in. asphaltic concrete top, 10,599 sq.ft. 4 in. asphaltic concrete base, 277,903 lin.ft. disintegrated granite sub-base, etc. To exceed $120,000.

BIDS RECEIVED

Mass., Boston—Park Dept., 33 Beacon St., Nov. 12, gravel and asphalt surfacing Fens Rd., from J. C. Coleman & Sons, 1620 Tremont St., Roxbury, $55,870.

Rhode Island—State Bd. Pub. Rds., State House, Providence, Nov. 25, bituminous macadam paving 6.61 mi. Contr. 2516, Federal Aid Project 29, in Cumberland, from T. J. Quinn, Ashton, $158,697, 2.17 mi. Contr. 2514, in Warren, from Lawton Constr. Co., 251 New York Ave., Providence, $54,049; bituminous concrete paving 2.36 mi. Contr. 2515, Federal Aid Project 30, in Scituate, from J. McCormick, East Providence, $81,259; gravel surfacing 3.5 mi. Contr. 2517, in Charlestown and Richmond, from W. H. Hinman, Medway, Mass., $52,285, all foregoing 18 ft. Noted Nov. 19.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Dec. 9, from Galco Contg. Co., 745 Dean St., sidewalk, etc., on Shore Blvd., $25,572; from G. M. Mandato, 129 29th St., grading, curbing and flagging East 17th St. $1,907, East 12th to East 13th Sts. $2,377, and 76th St. $5,582, from Grimm Contg. Co., 170 McKinley St., Junius St. $6,120, and Lott Ave. $1,116, from Castle Bros., Johnson Pl., Albany Ave. $2,755, from J. C. Dempsey, 516 Prospect Pl., 12th Ave. $11,037, from J. W. McHale, 1250 Jefferson Ave., 55th St., $4,050; from B. Turecamo Contg. Co., 8706 Bay 12th St., grading and permanent asphalt paving Avenue S $5,362, 55th St. $6,402, and 76th St. $8,230, from Uvalde Asphalt Co., 1 Bway., New York City, Church Ave. $2,755, and Junius St., $6,072. Noted Dec. 3.

Pennsylvania—State Hy. Dept., Harrisburg, Dec. 7, **(R. means Route and A. means Application)**, one course rein.-con. paving 20,937 ft. R. 50, A. 3474, Somerset Co., from W. H. Harper Constr. Co., Franklin, W. Va., $160,414, 9,803 ft. A. 3327, Ogle and Shade Twp. Rd., Somerset Co., from Rudolph & Delano, 27 Pine St., Tamaqua, $85,992, 14,070 ft. Route 296, A. 3611, Clifford Twp. Rd., Susquehanna Co., from Lincoln Constr. Co., Strafford, $105,-261, 11,785 ft. A. 36362, Unity Twp. Rd., Westmoreland Co., from M. Barber, 180 Henry St., Binghamton, N. Y., $92,345; and grading, etc., 74,511 ft. R. 93, Sect. 1, Limestone-Watson-Pleasant Twp. Rd., Warren Co., from Rood Constr. Co., Savings Bank Bldg., Butler, $315,014. Noted Nov. 12.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Dec. 8, grading Cottman St. between Torresdale and Frankford St., from T. Conner, 3621 North 5th St., $6,590; asphalt paving Copley Rd. between Manheim and Clapier Sts., from Union Paving Co., 30th and Locust Sts., $9,921; furnishing and delivering asphaltic cement, from Atlantic Refining Co., 260 South Broad St., $8,645.

W. Va., Morgantown—Magnolia Co., Dec. 7, native stone, tarvia or asphalt surfacing Fairmont-Morgantown Rd., from W. R. Bainbridge, Fairmont, $94,710. Noted Oct. 29.

Louisiana—State Hy. Dept., Baton Rouge, Dec. 1, graveling 8.02 mi. Monroe-Jonesboro Highway, Project 436 B, Ouachita Parish, from Alexandria Contg. Co., Alexandria, $72,018; 3.4 mi. Olla-Jena Highway, Project 435 B, La Salle Parish, from S. S. Andrews, Jena, (1) $19,437 (2) $25,426 (3) $17,609 (4) $22,102; 9.6 mi. Chatham-Ruston Highway, Project 419-A, Jackson Parish, from H. Jones, Jonesboro, (1) $92,403 (2) $86,166. Noted Nov. 12.

Kentucky—State Hy. Dept., Frankfort, Dec. 7, grading 6.761 mi. Louisa-Inez Rd., 20 and 22 ft., State Project 39-A, Lawrence Co., from Hart & Cooper, Whitesburg, $59,937; 9.508 mi. Hartford-Fordsville Rd., State Project 45-B, and 7.095 mi. Fordville-Daviess Co. line Rd., State Project 12-A, both 24 and 28 ft., Ohio Co., from W. W. Carter, Clay, $64,989 and $62,895 respectively. Noted Oct. 20.

O., Cincinnati—Director Pub. Serv., concrete paving, etc. 9,550 sq.yd. Daytonia Ave. between Boudinot and Glenmore Aves., from Foley Constr. Co., 3209 Boudinot Ave., $38,591. Engrs. est. $46,-771. Noted Nov. 26.

Michigan — State Hy. Dept., at office comrs. Sanilac Co., Sandusky, Nov. 30, from T. McNally, Saginaw, graveling 2.756 mi. Trunk Line Rd. 38-6, Sect. C, $33,505, and 7.443 mi. Sects. A-1 and A-2 same road $92,189, also concrete paving 0.72 mi. Sect. B, same road $23,804. Noted Nov. 19.

Arkansas—State Hy. Dept., Little Rock, Nov. 30, improving 21.18 mi. McGehee-Watson Rd., Federal Aid Project 189-A, Desha Co., from J. T. Carr, Monticello, $109,073. Noted Nov. 19.

California—State Hy. Dept., Sacramento, Nov. 30, macadam paving 15 mi. road between Castaic and point 3 mi. north of Natl. Forest Inn, Los Angeles Co., from F. W. Nighbert, Bakersfield, $55,860. Noted Nov. 19.

Calif., Los Angeles — Los Angeles Co., Dec. 7, from Pierson & Morris, Bradbury Bldg., improving Betty and Hubbard Sts., (Co. Impvt. 207), 9,003 cu.yd. excav. $0.40 per ft., 32,512 ft. curbing $0.42, 65,565 sq.ft. walks $0.1525, 133,721 sq.ft. 6 in. guttering $0.19, 1,035 ft. 8 in. guttering $0.25, etc., total approximately $70,100. Noted Dec. 10.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving highway through Granville and Southwick, to Gobeile, 1147 Main St., Worcester, $7[illegible] 465. Noted Dec. 3.

Mass., Cambridge (Boston P. O.) Granite block on asphalt paving vari[illegible] streets, to Simpson Bros., 77 Summer [illegible] Boston, $3.37 per yd. Engrs. est. $25,00[illegible]

Rhode Island—State Bd. Pub. Rds., Sta[illegible] House, Providence, bituminous macada[illegible] paving 6.61 mi. Contr. 2516, Federal A[illegible] Project 27, in Cumberland, to T. J. Quin[illegible] Ashton, $158,697, 2.17 mi. Contr. 2514, [illegible] Warren, to Lawton Constr. Co., 251 N[illegible] York Ave., Providence, $54,049; bit[illegible]minous concrete paving 2.36 mi. Con[illegible] 2515, Federal Aid Project 30, in Scitua[illegible] to J. McCormick, East Providence, $81,25[illegible] gravel surfacing 3.5 mi. Contr. 2517, [illegible] Charlestown and Richmond, to W. [illegible] Hinman, Medway, Mass., $52,285, all fore[illegible]going 18 ft. Grand total $346,290. Note[illegible] Nov. 19.

N. Y., New York — H. Bruckner, pre[illegible] Bronx Boro, Crotona Park, Tremont and 3rd Aves., to T. Di Roma, 33 Evelyn Pl., grading, curbing and sidewalks on Rochambeau Ave. $8,416 grading, etc., Rosedale Ave. $3,769, and Holland Ave. $20,650; to I. F. Cavaluzzo, 1538 Walton Ave., grading Wallace Ave. $3,223, and to L. D. Minna, 2366 Lorrilard Ave., Hering Ave. $11,467; to C. Turiano Contg. Co., 8706 Bay 12th St., Brooklyn, sewers in Hine and Burke Aves., $15,215. Grand total $62,740. Noted Dec. 10.

N. Y., Williamsville—Improving Wehrle Dr., to Meyer & Meyer Corp., Military Rd., Tonawanda, $416,844.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, to Swanger & White, Lebanon, improving 9,152 ft. R. 139, Hummelstown Boro Rd., Dauphin Co., 26,330 sq.yd. rein.-con. paving at $2.90 per sq.yd., 7,347 cu.yd. excav. $1.35, total $108,558; to J. I. Dick, Scottdale, 9,686 ft. A. 1220-1035, Bullskin Rd., Fayette Co., 18,126 sq.yd. rein.-con. paving $3.25, and 12,532 cu.yd. excav. $1.15, total $95,565; to Winston & Co., Harrisburg, 1,411 ft. A. 3603, Picture Rocks Boro Rd., Lycoming Co., 2,480 sq.yd. rein.-con. paving $3,788 cu.yd. excav. $1.50, total $12,823; and to H. Bunce, 125 Fulton St., Olean, N. Y., 18,922 ft. R. 89, A. 3679-3710, Oil Creek Twp. Rd., Crawford and Venango Counties, 33,710 sq.yd. rein.-con. paving $2.65, and 9,050 cu.yd. excav. $1, total $118,484. Grand total $335,630.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, grading Cottman St. between Torresdale and Frankford Sts., to T. Conner, 3621 North 5th St., $6,590; asphalt paving Copley Rd. between Manheim and Clapier Sts., to Union Paving Co., 30th and Locust Sts., $9,921; furnishing and delivering asphaltic cement, to Atlantic Refining Co., 260 South Broad St., $8,545. Grand total $25,156.

N. C., Saluda—Mayor and Bd. Aldermen, curbing, guttering, water and sewer lines, paving, etc. 34,000 sq.yd. various streets, to Stacey Bros., Greenville, Tenn., approximately $100,000. Noted Nov. 12.

Florida — State Rd. Dept., Tallahassee, clearing, grading and surfacing approximately 6.28 mi. road, 30 ft. Escambia Co., to Noonan-Lawrence, Pensacola, $187,796.

Ala., Birmingham — City **(e. e. means engrs. est.)**, to Bessemer Eng. Co., 112 19th St., Bessemer, concrete paving 7 blocks 37th St. and 4th Ave. S., 40 ft., $33,211 e. e. $51,210, 2 blocks 9th Court W., 40 ft., $7,990 e. e. $10,550, 3 blocks 31st Ave. N., 30 ft., $18,513 e. e. $27,300, and asphaltic concrete paving 3 blocks alley north of Highland Ave., 20 ft., $1,850 e. e. $2,300; to Mitchell Constr. Co., Amer. Trust Bldg., concrete paving 4 blocks 15th Ave., 15th, 19th and Court Sts., 40 ft., $14,334 e. e. $16,300, and 2 blocks 11th Ave. S., 30 ft., $2,460 e. e. $3,150; to Federal Paving Co., Amer. Trust Bldg., sheet asphalt paving 9 blocks 39th St., 40 ft., $49,449 e. e. $68,115; to Southern Roads Co., 104 North 17th St., asphaltic concrete paving 1 block 34th St., 40 ft., $5,796 e. e. $7,600, and 2 blocks Bessemer Rd., 30 ft., $16,598 e. e. $21,775, to Independent Paving Co., Amer. Trust Bldg., 3 blocks 16th St. S., 30 ft., $12,977 e. e. $16,770, to Dunn Constr. Co., Lincoln Life Bldg., 5 blocks 11th St., 9th and 10th Aves., 40 ft., $11,150 e. e. $14,350, to Morgan Hill Paving Co., Woodward Bldg., 2 blocks 28th and 29th Sts. (both Ensley), 40 ft., $8,521 e. e. $11,650, to H. N. Bowdry, Farley Bldg., 3 blocks 13th Ave. N., 40 ft., $20,297 e. e. $22,100. Grand total $203,146. Noted Oct. 8, Sept. 10 and 17.

Miss., Aberdeen—Curbing, guttering and 2 in. Warrenite on 4 in. cnocrete surfacing 7,000 sq.yd. various streets, to Southern Roads Co., Brokers Bldg., Birmingham, Ala., $20,132. Noted Oct. 8.

Streets and Roads (Continued)

Miss., Biloxi—Riviera Development Co., grading, paving, sidewalks, sewering, etc., Bay Terrace Subdivision, to Southern Pave. & Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $108,000; seawall, to Boullut & Ewin, Inc., Q & C Bldg., New Orleans, La., $8,640. Noted Nov. 5.

Miss., Brandon — Pisgah Separate Road Dist., improving 8 mi. Sandhill-Canton Rd., to Dryess Constr. Co., Waynesboro, $26,666.

Miss., Gulfport—City Comrs., 2½ in. Lake asphalt on 5 in. concrete surfacing approximately 109,000 sq.yd. 3 sections paving work, to Baird-Eller Constr. Co., Nashville, Tenn., $2.03 per sq.yd., total $229,-000; vitr. brick surfacing 30,000 sq.ft. 4th St. paving section, to Merrill Eng. Co., Jackson, $2.76 per ft., total $101,750; curbing, guttering and concrete sidewalks, to R. M. Perry, Mobile, Ala., $171,130. Noted Nov. 12.

Michigan—State Hy. Dept. at office comrs. Wayne Co., Detroit, concrete paving 0.549 mi. Trunk Line Rd. 16-24, in village of Redfern, to Wayne Co. Rd. Comn., Detroit, $31,228.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing 6.53 mi. Route 14, Sect. 10, White and Hamilton Counties, to Ransom & Sherwood, Palestine, $123,575; 10.73 mi. Route 2, Sect. 77, Winnebago Co., to S & H Constr. Co., 92 Mason St., Milwaukee, Wis., $156,-747; Routes 3 and 38, Sect. 57-X, Jersey Co., to Nelson Constr. Co., Jerseyville, $27,-990; Route 9, Sect. 36-D, McDonough Co., to Jenson & Schafer, 212 North Cap St., Pekin, $17,854. Grand total $326,166. Noted Oct. 15.

Ill., Evanston—Bd. Local Impvts., to M. Foley Co., 1521 Lyons St., paving alleys south of Greenleaf St. $5,612, Block 10 $3,332, Block 2 $2,890, Block 5 $3,500, Block 18 $3,300 and Ridgeway St. from Grant St. to Central Ave. $36,872, to J. A. McGarry Co., 189 West Madison St., Chicago, Callan and Case Sts. $10,639, Hull St. from Ridge Ave. to Asbury St. $22,088, Marcy St. from Grant St. to Central Ave. $31,356, and Brown St. from Church to Simpson Sts. $35,781; to Connel Conrad Constr. Co., Dodge Ave., sewers in Grey, Seward, Keeney, Warren and Oakton Sts., $22,844. Grand total $178,214.

Wis., Kenosha—J. F. Herzog, highway comr. Kenosha Co., will expend $53,000, gravel surfacing various roads. Work will be done with own forces. J. T. Donaghey, Madison, highway engr.

Wis., Port Washington—W. J. Ubbink, comr. Ozaukee Co., will gravel surface 8.4 mi. Trunk Highways B, C, D, O and W, by day labor. J. T. Donaghey, Madison, engr.

Wis., Racine — Racine Co., E. Fischer, comr., will construct 16 mi. gravel roads, by day labor. Wisconsin Highway Comn., Madison, engr.

Wis., West Bend — Washington Co., C. Johnson, Kewaskum, comr., will pave with concrete 4.75 mi. Highway 55; and gravel surface 3 mi. Trunk Highways S and P, by day labor. Wisconsin Highway Comn., Madison, engr.

Minn., Minneapolis—See "Railways."

Minn., St. Paul—Grading and limestone paving ⅝ mi. boulevard across narrows in Lake Como and Lake Como Blvd. on northeast side of Lake Como between Narrows and Lexington Ave., to Thornton Bros., 318 Endicott Bldg., $28,637.

Kan., Dodge City—Grading, curbing and concrete paving 7 blocks Ave. C, to Geiger & Rutherford, 626 Cherokee St., Leavenworth, $28,451.

Kan., Paola—Miami Co., to A. L. Cook, Ottawa, grading 9.623 mi. Federal Aid Project 293-C, $30,424; to Alderman, Martin & Alderman, Ottawa, culverts on same road $17,501, 10 ft. concrete slab bridge $2,313 and 120 ft. Pratt truss bridge, $16,-574. Grand total $66,812. Noted Oct. 15.

N. D., Minot — A. G. Torgerson, aud. Ward Co., grading, etc., 11.932 mi. Federal Aid Project 273-A and B, Ward and McLean Counties, to Hall & Booth, Stanley, $25,743.

Mo., Henrietta—For 7 in. rein.-con. paving various streets, to Richmond Constr. Co., Richmond, approximately $25,000.

Mo., Neosho—For 7 in. concrete paving, etc. 11,460 sq.yd. South Washington and North College Sts., to H. Kost, Joplin, $35,326.

Ark., Hot Springs — Curbing, guttering, sewering and 6 in. concrete paving 37,758 sq.yd. streets in Paving Dist. 82, to G. W. Nicholas & Son, Hot Springs, $93,090.

Ark., Little Rock—C. T. Ryan, secy. Arkansas-Missouri Highway Dist. Pulaski Co., improving above district, Contr. 1, to Southern Material & Constr. Co., Southern Trust Bldg., $18,138; Contr. 3, to Kelliher Constr. Co., Southern Trust Bldg., $72,074. Noted Nov. 19.

Tex., Wichita Falls—Rein.-con. paving about 5 blocks Ave. L from Grant to Hayes Aves., and Holiday St. from 10 to 11th Sts., to L. W. Whitham & Co., Wichita Falls, $3 per sq.yd. Engrs. est. $35,000.

Okla., Guthrie—G. L. Anderson, city clk., grading, curbing and concrete paving 7,358 sq.yd. Noble, 19th, 11th, Cleveland and Drexel Sts., to B. Brooks, Tonkawa, $27,-740. Engrs. est. $28,850. Noted Dec. 3.

Okla., Oklahoma City—Concrete widening 8 blocks Bway., 8 ft., to B. M. House & Co., Merrie Garden Bldg., $25,152, engrs. est. $28,000; and grading and concrete paving 6,100 sq.yd. McKinley, Stonewall and 44th Sts., to M. A. Swatek & Co., 119 West Main St., $23,158, engrs. est. $26,400. Noted Sept. 10.

Okla., Ralston—C. M. Doves, city clk., grading, curbing and concrete paving 9,970 sq.yd. Main St., to Gudgel & McVay, Stillwater, $28,000. Engrs. est. $28,887. Noted Nov. 26.

Idaho—Commissioner Pub. Wks., Boise, grading, etc., 7.68 mi. North and South Highway, Federal Aid Project 9-E and F, Idaho Co., to E. A. Webster & Co., Hutton Bldg., Spokane, Wash., $87,251. Noted Nov. 19.

Washington—State Hy. Comn., Olympia, clearing and grading, etc. 7.1 mi. State Rd. 12, Wahkiakum and Pacific Counties, to J. M. Brewster, 232 Pioneer Bldg., Seattle, $166,366; and 7.98 mi. State Rd. 9, Thurston and Grays Harbor Counties, to Philbrick & Nicholson, 702 Rust Bldg., Tacoma, $30,748. Noted Nov. 19.

California—State Hy. Dept., Sacramento (**e. e. means engrs. est.**), asphaltic concrete paving 14.6 mi. road between Ontario and Riverside, San Bernardino and Riverside Counties, to Steele Finley, Santa Ana, $206,748, e. e. $239,992; grading 21 mi. road between Desert Center and point 4 mi. west of Hopkins Well, Riverside Co., to F. C. Payton, Norwalk, $27,740 e. e. $34,675, 36.7 mi. road between Ricardo and Five Mile Canyon, Kern and Inyo Counties, to H. Wilson, Keeler, $16,470, e. e. $18,448; asphaltic concrete surfacing and concrete widening 2.1 mi. road between Carpinteria and point 2 mi. southeast (V-S B.-2-R), Santa Barbara Co., to Cornwall Constr. Co., Santa Barbara, $48,737, e. e. $66,533; grading and crushed gravel or stone surfacing 18.5 mi. road between Hicks and Daggett, San Bernardino Co., to K. Hodgman, Oakland, $158,920, e. e. $201,032. Grand total $458,615. Noted Oct. 22 and 29.

Calif., Burbank — To Gibbons & Reed, 2022 Glendale Blvd., Los Angeles, improving San Fernando Blvd., 599,383 sq.ft. grading $0.025 per ft., 186,564 sq.ft. 8 in. concrete paving $0.229, and 357,798 sq.ft. 5 in. concrete paving $0.149, etc., total approximately $327,670.

Calif., Fresno—Grading, curbing, guttering, etc., Belmont Ave. between Glen and Forthcamp Sts., to California Road & Street Impvt. Co., Fresno, $40,293.

Calif., Glendale—Grading and 4 in. asphaltic concrete paving 114,577 sq.ft. Allen Ave., Hale St., etc., to C. U. Heuser, Box 98, $35,995. Noted Dec. 10.

Calif., Los Angeles — Los Angeles Co., curbing, guttering and concrete paving Canal St., (Co. Impvt. 402), to J. P. Benson, Douglas Bldg., $45,430; concrete paving, etc. 154,338 sq.ft. Wilmington and Los Angeles Rd., Impvt. Dist. 292, and 315,708 sq.ft. Olive St., Rd. Dist Impvt. 276, to C. A. Ladaveze, 209 South Elizabeth St., $35,969 and $74,487 respectively; also grading and concrete paving, etc. 87,376 sq.ft. Anaheim Telegraph Rd., to Griffith Co., Railway Bldg., $42,795. Grand total $198,681. Noted Dec. 10.

Calif., Los Angeles — Bd. Pub. Wks., grading and concrete paving, etc., Radford Ave. between San Fernando Rd. and Haddon St., to P. F. Martter, 1250 Gramercy Pl., $15,283; grading, curbing, sidewalks, sewers and concrete paving 3rd Ave. between Washington and Adams Sts., etc., to G. H. Oswald, 366 East 58th St., $22,-895. Noted Oct. 22.

Calif., San Diego—Common Council, 1½ in. asphaltic concrete on 5 in. concrete paving 271,010 sq.ft. Kansas St., to G. R. Daley, 4430 Boundary St., $59,351; grading, curbing, sidewalks and 1½ in. asphaltic concrete paving, etc., 32nd and Juniper Sts., to Griffith Co., 25 14th St., $22,119. Noted Oct. 29.

Calif., Santa Monica — Grading, paving, curbing, walks, etc. on 7th St. between Pico Blvd. and Bway., to Griffith Co., Railway Bldg., Los Angeles, $37,375.

Buildings—Industrial

PROPOSED WORK

Mass., Boston — PRINTING PLANT — City, Pub. Buildings Dept. plans printing plant, Battery, Commercial and Salutation Sts., North End Dist. $200,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.)—FACTORY—McHugh Realty Co., 4 Osborne St., plans altering and constructing brick addition, Sidney St. $50,000. Engineer and architect not selected.

Mass., Dedham—PLANT—Metropolitan Charcoal Co., East Dedham, plans reconstructing plant, Whiting Ave., recently destroyed by fire. $40,000 or more. Engineer and architect not selected.

Mass., South Boston (sta. Boston) — PLANT — C. I. Brick, Inc., 24 Gold St., plans 2 and 3 story, brick addition, between Gold and 4th Sts. $40,000. Engineer and architect not selected.

N. Y., Buffalo — CONCRETE BLOCK FACTORY—Thde Bros., 18 Colorado St., plans rein.-con. factory. To exceed $40,000.

N. Y., Elmira — MILL — International Rayon Co., c/o A. J. Sauer & Co., archts., 1506 Race St., Phila., Pa., having plans prepared 160 x 270 ft., and 108 x 160 ft., rein.-con., brick or tile, plain foundation, near here. $1,200,000.

Pa., Beech Creek — CANDY PLANT — Reed Mfg. Co., E. R. Reed, pres., plans 2 story and part basement, 90 x 115 ft., brick and steel, Main St. $115,000.

N. C., Morehead — ELECTRIC LIGHT PLANT — Town plans to issue $75,000 bonds, constructing electric light plant.

N. C., Woodfin (Sta. Asheville) — CASKET FACTORY—Natl. Casket Co., 3 Park Sq., Boston, Mass., plans plant here, incl. 120,000 gal. concrete reservoir. $500,-000. W. H. Donnell, Asheville, pres.

Ga., Atlanta—LAUNDRY—See "Buildings-Educational, Religious."

Tenn., Chattanooga—FACTORY—Corley Mfg. Co., 1901 Williams St., plans factory for manufacturing saw mill equipment. $50,000.

Tenn., Dyersburg—ICE and STORAGE PLANT—Dyersburg Ice & Coal Co., plans ice and cold storage plant. $100,000.

Tenn., Nashville—POWER PLANT, etc. —Nashville Ry. & Light Co., Watkins Bldg., plans to expend $1,540,000 during 1926, for light, power and street car service, here and vicinity, incl. power sub-station on 1st Ave., $100,000; improving and reconstructing car lines, $250,000; turbine generator for power plant, $500,000; 10 new street cars, $135,000. B. C. Edgar, pres.

O., Columbus—FACTORY and DISPLAY —Superior Heating Co., 75 East Front St., making plans 2 story and basement, 68 x 118 ft., brick and concrete, Goodall St. $45,-000. Engineer and architect not selected.

Ind., Vincennes — SHOE FACTORY — Brown Shoe Co., 1610 Washington Ave., St. Louis, Mo., having preliminary plans prepared 3 story, brick and concrete factory. $250,000. Private plans.

Mich., Detroit — SERVICE STATION — Cadillac Motor Car Co., 2860 Clark Ave., had plans prepared by A. Kahn, 1000 Marquette Bldg., 2 story, 150 x 207 ft., rein.-con., brick and steel addition, plain foundation, Cass Ave.

Mich., Detroit — SUB-STATION — Pub. Lighting Comn., 174 East Atwater St., having plans prepared by Smith, Hinchman & Grylls, archts. and engrs., 800 Marquette Bldg., Substation 11, 2 story and basement, rein.-con., brick and steel, plain foundation, in connection with Morrell St. power and lighting station.

Ill., Chicago—STORAGE and SRRVICE G. C. Nimmons & Co., archts., 122 South Michigan Ave., soon lets contract (1st unit) storage and service building, West 22nd and Throop Sts., for Commonwealth-Edison Co., 72 West Adams St. $1,000,000. Noted Nov. 12.

Ill., Maywood — PLANT — Canada Dry Ginger Ale, Inc., 25 West 43rd St., New York City, plans 1 story, rein.-con., plain foundation, 19th Ave. and Monroe St., here. $500,000.

Ill., Quincy—FACTORY—Gardner Governor Co., South Front St., having preliminary plans prepared by F. D. Chase, 720 North Michigan Ave., Chicago, 1 story, 100 x 250 ft., brick and steel factory. $60,000.

Ill., Roxana (mail East Alton)—REFINERY—Roxana Petroleum Co., Arcade Bldg., St. Louis, Mo., purchased two 80 acre tracts and plans rein.-con. and brick re-

Buildings—Industrial (Continued)

finery buildings of various sizes, incl. new storage tanks, equipment, etc., here. $3,000,000. Private plans.

Wis., Madison—DAIRY—Capitol Dairy Co., c/o C. M. Price, pres., 640 West Wilson St., plans brick and steel pasteurizing plant. $75,000. Engineer and architect not selected.

Wis., Pittsville — CANNERY — G. D. Booth, Marshfield, plans 1 story, 48 x 132 ft. brick cannery, plain foundation, here. $40,000. Engineer and architect not selected.

Wis., West Allis—FACTORY—Janka Millwork Mfg. Co., 680 54th Ave., plans 2 story, brick and timber, plain foundation, Beloit Rd. $40,000. Engineer and architect not selected.

Wis., West Bend—CANNING PLANT—Stephens Canning Co., Elkhart Lake, having plans prepared remodeling canning plant, etc., here. $50,000. Private plans.

Ia., Storm Lake—LIGHT PLANT—City plans electric light plant and distribution system. $170,000. J. H. Oats, city clk.

Minn., Blue Earth — CANNERY — Blue Earth Canning Co., I. A. Nelson, Lake Mills, Ia., pres., plans brick and concrete cannery, here. $100,000. Engineer and architect not announced.

Neb., Columbus—PLANT—Northwestern Pub. Serv. Co. plans 4 story plant addition. $100,000.

Neb., Spencer—POWER PLANT—Northern Nebraska Power Co., plans power plant, incl. 3,000 ft. dam, transmission line, dyke, etc., on Niobrara River, 6 mi. south of here. $1,000,000. C. J. Hubbell, Dewese, pres. Noted Aug. 27 under "Dams."

S. D., Sioux Falls—LIGHT PLANT—Defeated $300,000 bonds electric plant. W. C. Leyse, city aud. Noted Nov. 12.

Mo., St. Joseph—BAKERY—A. J. Crepe, Alexander Apartments, having preliminary plans prepared by W. Siemens, 303 Bartlett Bldg., rein.-con., and brick bakery, $125,000.

Calif., Bakersfield—SUB-STATIONS, etc. —San Joaquin Light & Power Co., Power Bldg., Fresno, plans sub-stations and power lines in Kern Co. Dist. $1,000,000 appropriated.

Calif., Los Angeles—FACTORY—Thomas Paper Converting Co., 1201 South Main St., having plans prepared by Austin Co. of California, archts. and engrs., 777 East Washington St., 1 and 2 story, 100 x 148 ft., brick and steel, Santee and Washington Sts. $80,000.

Calif., Oakland — OIL DISTRIBUTING and STORAGE PLANT—Julian Petroleum Corp., 988 Market St., San Francisco, plans oil distributing and storage plant, on 8 acre site, Parr Terminal, here. $500,000 or more.

Calif., San Francisco — FACTORY — Russia Cement Co., Gloucester, Mass., having plans prepared by S. Hyman, 68 Post St., 2 story, rein.-con., glue and paste factory, etc., Howard St., here. $40,000.

Calif., Stockton—OIL DISTRIBUTING and STORAGE PLANT—California Petroleum Corp., Securities Bldg., Los Angeles, plans oil distributing and storage plant. To exceed $80,000.

Ont., Fergus — PLANT — Superior Barn Equipment Co. having plans prepared doubling capacity of plant. $50,000. G. A. Maude, c/o owner, engr.

BIDS DESIRED

N. H., Dover—FACTORY—F. J. Grimes, 52 Chapel St., taking bids 1 story, brick and steel addition, Grove St. $40,000. J. E. Richardson, 56 Grove St., archt.

Mass., Everett (br. Boston)—COOPERING SHOP—see "Contracts Awarded."

Mass., Malden (br. Boston)—REPAIR and SERVICE GARAGE — See "Contracts Awarded."

Mass., Quincy (Boston P. O.)—MANUFACTURING—See "Contracts Awarded."

Pa., Oaks—RUBBER PLANT—Dec. 19, by Osborn Eng. Co., engrs., East 71st-Euclid Bldg., Cleveland, O., 70 x 100 ft. deheading and chopping house, 80 x 80 ft. washer and grinder house, 90 x 160 ft. washer devulcanizing building, 60 x 60 ft. tank house, 50 x 80 ft. drier building, 80 x 100 ft. drystock storage, 50 x 220 ft. mill, 122 x 201 ft. warehouse and office building, 50 x 90 ft. boiler house, 60 x 220 ft. mechanical building and 400 ft. crane runway, etc., for Philadelphia Rubber Wks., Land Title Bldg., Phila., $400,000.

Pa., Pittsburgh—ICE PLANT—See "Contracts Awarded."

O., Fostoria—FACTORY—Jan. 1, by Officers Seneca Wire & Mfg. Co., Fostoria, 1 story, 160 x 375 ft. addition. $75,000.

Mo., St. Louis—DAIRY—Larkin Eng. Co., engrs. and archts., Granite Bldg., taking bids 2 story and basement, 50 x 97 ft., brick and rein.-con., Russell Ave., for Jersey Farm Dairy Co., 1007 Russell Ave. $60,000.

Tex., Cuero — CREAMERY — See "Contracts Awarded."

Calif., San Francisco — PRINTING PLANT—T. Ronneberg, engr., Crocker Bldg., taking bids 3 story and basement, rein.-con., Sansome St., for Sunset Publishing Co., 460 4th St. $150,000.

BIDS RECEIVED

Mich., Detroit—SWITCHING STATIONS —Pub. Lighting Comn., 174 East Atwater St., Switching Stations "A," "B," and "C," rein.-con., brick and steel, in connection with Morrell St. power plant, from W. H. Mueller, 2210 Park Ave., $373,000. Former bids rejected. Noted Nov. 26.

CONTRACTS AWARDED

Mass., Boston—FACTORY, etc.—Atlantic Screen & Wood Products Co., 25 Vale St., Roxbury, 1 story and basement, 65 x 230 ft., with 25 x 105 ft. ell, rein.-con. and brick factory, boiler house and garage, here, to R. A. Murray, 83 Clement Ave., Rosindale. Archts. est. $50,000.

Mass., Everett (br. Boston)—COOPERING SHOP—Merrimac Chemical Co., 148 State St., Boston, will build 1 story, brick and timber shop. $40,000. Work will be done by separate contracts. Private plans.

Mass., Greenfield — ICE CREAM FACTORY—J. G. Turnbull Co., 31 Davis St., Springfield, 2 story, 45 x 105 ft., brick, to L. D. Cook, 28 Forest Ave., Springfield. Archts. est. $45,000. Noted Dec. 3.

Mass., Malden (br. Boston)—REPAIR and SERVICE GARAGE—P. Levine, 23 Creston St., Roxbury, will build 1 story, 100 x 300 ft., rein.-con. and brick, 226 Pleasant St. $165,000. Work will be done by separate contracts. J. A. Tuck, Park Sq. Bldg., Boston, archt.

Mass., Medford (br. Boston)—SHOP—Jackson & Newton Co., 105 Portland St., Boston, altering and constructing 2 and 3 story timber addition, Myrtle Pl., to Frankini Bros., 32 Mystic Ave. Archts. est. $40,000.

Mass., Quincy (Boston P. O.)—MANUFACTURING—Eastern Wood Products Co., 56 Arlington St., Wollaston, will build 1 story, timber manufacturing plant, 16-20 John St., by day labor. $40,000. R. L. Sidelinger, Hancock St., archt.

Mass., Somerville (Boston P. O.)—OIL PLANT, GARAGE, etc.—Sunlight Oil Co., c/o E. Porter, archt., 39 Mystic Ave., Medford, 1 story, 30 x 100 ft., oil plant, garage, office, loading shed, pump house, etc., rein.-con., off Lowell St., to Frankini Bros., 32 Mystic Ave., Medford. Archts. est. $40,000.

Mass., West Springfield (br. Springfield) — MANUFACTURING — New England Smelting Co., I. Brown, pres., altering and constructing 1 story, 125 x 135 ft., brick addition, to M. Miskin, 619 Dickinson St. Archts. est. $60,000. Noted Nov. 5.

Conn., New Britain — INDUSTRIAL — Landers, Frary & Clarke, 4 story, concrete and timber, East Main St., to H. Wales Lines Co., State St., Meriden, about $60,000.

Pa., Pittsburgh—ICE PLANT—Consolidated Ice Co., 13th and Pike Sts., will build 2 story and basement, 30 x 250 ft., brick, hollow tile and steel addition, Brushton Ave., by day labor. $100,000. Private plans.

Pa., Pittsburgh—WAREHOUSE—Crucible Steel Co. of America, Oliver Bldg., general contract for 1 story, 49 x 50 ft., concrete, brick, hollow tile and steel, Rebecca St., to Conley & DeMey, 127 North Heland Ave.

Pa., Williamsburg — PLANT — Western Virginia Pulp & Paper Co., 200 5th Ave., New York City, N. Y., approximately 80 x 170 ft., steel and concrete addition, here, to Morton C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

Del., Wilmington—MACHINE ROOM—Jessup & Moore Paper Co., Commercial Tribunal Bldg., Phila., Pa., 1 story, 40 x 360 ft., brick and steel extension, here, to M. C. Tuttle Co., Park Sq. Bldg., Boston, Mass.

Md., Towson—MACHINE SHOP—Black & Decker, 1 story, 100 x 200 ft., brick and steel, plain foundation, to W. H. Sands, East Pennsylvania Ave., $75,000.

W. Va., Parkersburg—PLANT—Ballinger Co., archts., 12th and Chestnut Sts., 1, 2 and 3 story, rein.-con., brick and steel, plain foundation, on Little Kanawha River, near here, to J. Pettijohn, Lynchburg, Va., for Viscose Co., Marcus Hook, Pa. Archts. est. $2,000,000.

Ala., Anniston—PLANT—M & H Va[illegible] Co., Anniston, J. W. Conway, Atlanta, [illegible] pres., 4 brick buildings, largest being [illegible] x 390 ft., here, to Ogletree Constr. Co., [illegible]niston, $75,000. Noted July 16.

Miss., Meridian—ICE PLANT—Ka[illegible] Repsher Ice Co., Inc., J. B. Tutt, secy. and treas., 2 story, concrete and brick, 7th St. and 36th Ave., to McArthur & McLemo[illegible] Meridian. Archts. est. $75,000. No[illegible] Oct. 29.

O., Cleveland—FACTORY and STORA[illegible] —Eaton Axle Co., C. F. Ochs, genl. m[illegible], 735 East 140th St., 1 story, 80 x 152 [illegible] brick and steel, to S. W. Emerson Co., 1[illegible] Euclid Ave. Archts. est. $40,000.

O., Cleveland — FACTORY — Natl. St[illegible] Barrel Co., 3860 East 91st St., 1 story, [illegible] x 183 ft., brick and steel addition, 3[illegible] East 91st St., to Boldt-Rapp Co., [illegible] Euclid Ave. Archts. est. $150,000.

O., Cleveland — FACTORY — Scranto[illegible] Ave. Carriage Co., J. T. Hildebrand, pres., 2339 Scranton Rd., 1 story, 25 x 65 [illegible] brick and steel addition, to C. Denzler, 41[illegible] Roberts Ave. Archts. est. about $40,000.

Mich., Detroit — SMELTING — Michigan Copper & Brass Co., 5851 West Jefferson Ave., aluminum smelting plant, to Austin Co., 16112 Euclid Ave., Cleveland, O.

Mich., Jackson—MACHINE SHOP, etc. —Amer. Gear & Mfg. Co., 615 South Park St., general contract incl. mechanical trades for 200 x 225 ft. machine shop, garage, etc., to Everett Winters Co., 1024 Book Bldg., Detroit, approximately $250,000.

Ill., Chicago—PRINTING PLANT, etc.—Manz Corp., 4043 Ravenswood Ave., 3 story, 138 x 168 ft., rein.-con. and brick addition, to R. C. Wieboldt Co., 1534 West van Buren St. Archts. est. $300,000.

Ill., Granite City — BLAST FURNACE and POWER PLANT — Midland Coke & Iron Corp., 117 North 4th St., St. Louis, Mo., two 5,000 kw. units power plant and 3,500 tons steel capacity blast furnace, to Riter-Conley Co., Oliver Bldg., Pittsburgh, Pa. This corrects name of owner in Sept. 10 issue.

Ill., Peoria — LAUNDRY — Family Wet Wash Laundry, 241 Maplewood St., 2 story, 90 x 150 ft., concrete and brick, Lincoln St., to F. Harbers Sons, Central Natl. Bank Bldg. Archts. est. $80,000.

Wis., Milwaukee — FACTORY — International Harvester Co., 784 Park St., 1 story, 145 x 200 ft., steel plant, to Austin Co., 16112 Euclid Ave., Cleveland, O., approximately $125,000.

Wis., Milwaukee—POWER HOUSE and LAUNDRY—R. Cramer, engr., 1105 Vliet St., 3 story, 67 x 70 ft., brick and concrete, plain foundation, Cedar St., to Bentley Bros., 808 South Pierce St., for Milwaukee Hospital, 22nd and Cedar Sts. Engrs. est. $60,000. Noted Nov. 26.

Wis., Pittsville — CANNERY — G. D. Booth, Marshfield, 1 story, 42 x 100 ft., brick, plain foundation, here, to Hastings Industrial Co., 326 West Madison St., Chicago, Ill. Archts. est. $40,000.

Minn., Bemidji—HEATING and POWER PLANT—State Dept. Administration & Finance, Capitol Bldg., St. Paul, general contract 1 story, heating and power plant, also 3 story and basement addition to college, both rein.-con. and brick, at State Teachers College, here, to A. G. Wahl & Son, 616 7th Ave. S., St. Cloud, $96,149. Noted Dec. 10.

Neb., Omaha—ICE PLANT—St. Joseph Hospital, 10th and Castellar Sts., 1 story and basement, brick plant, to Parson Constr. Co., 404 Arthur Bldg. Archts. est. $55,000.

Mo., Joplin—PLANT—Southwestern Sash & Door Co., 1 story, 100 x 200 ft., brick and tile mill work plant, to G. W. Miller, 1007 Prospect Ave., approximately $50,000.

Mo., St. Louis — FACTORY — Standard Underground Cable Co., 4125 North Kingshighway, 2 story and basement, 60 x 80 ft., rein.-con. addition, Kingshighway Blvd., to Widmer Eng. Co., Laclede Gas Bldg.

Tex., Cuero — CREAMERY — Cuero Creamery, c/o J. B. Wayne, Corpus Christi, will build creamery, by day labor. $45,000. Private plans.

Calif., Colton—STEEL FRAME MILL—California Portland Cement Co., Pacific Mutual Bldg., Los Angeles, 1 story, 62 x 500 ft., steel frame mill building, here, to Austin Co. of California, 777 West Washington St., Los Angeles, $50,000.

Calif., Los Angeles—FACTORY—Eureka Paper Box Co., 824 Wall St., 2 story and basement, 65 x 120 ft., timber and rein.-con., 20th and Tarleton Sts., to J. M. Cooper, 321 Rives-Strong Bldg., $40,000. Noted Nov. 26.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—THEATRE—J. C. Kiley & E. F. Cassell, 18 Tremont St., plans theatre, Green, Chardon and Pitts Sts. To exceed $150,000. Engineer and architect not selected.

Mass., Charlestown (sta. Boston) — MUNICIPAL—City, Dept. Pub. Buildings, Boston, plans 3 story, brick and stone, here. $250,000. Engineer and architect not selected.

Mass., Gardner—CITY HALL—City, c/o P. Varney, archt., 25 Exchange St., Lynn, having revised plans prepared 2 story and basement, brick and stone, plain foundation, Pleasant St., here. $150,000 or more. R. D. Kimball, 6 Beacon St., Boston, engr.

Mass., Hyannis—APARTMENT—H. T. Collett having sketches made by H. A. Lewis, 75 Washington St., Providence, 2 story and basement, 80 x 218 ft., brick and stucco apartment, $150,000.

Mass., Jamaica Plain (Boston P. O.)—APARTMENT—P. Glaser, 27 School St. Boston, having plans prepared by Silverman, Brown & Heenan, 51 Cornhill St., Boston, 3 story and basement, brick and stone, here. $200,000.

Mass., Somerville (Boston P.O.)—HOTEL—G. Vatigian, Odd Fellows Bldg., having sketches made by J. A. Tuck, Park Sq. Bldg., Boston, 10 story and basement, 150 x 200 ft., brick and steel, 291-297 Bway. $1,250,000.

Mass., Woburn—THEATRE, STORE and OFFICE—E. M. Dangel, 18 Tremont St., Boston, having plans prepared by G. E. Robinson, Chamber of Commerce Bldg., Boston, 2 story and basement, brick, Pleasant and Federal Sts. $150,000.

Conn., Stamford—HOTEL and STORE—P. Vanech, 416 Main St., takes bids about Dec. 17, 7 story and basement, 50 x 135 ft., brick and stone, Main St. $300,000. F. Urso, 432 Main St., archt. Noted Oct. 22.

N. Y., Bronxville (Ind. br. Yonkers)—OFFICE — Lawrence Realty Co., c/o Walker & Gillette, archts. and engrs., 128 East 37th St., New York City, soon takes bids 2 story, 150 x 200 ft., brick, steel and stone, plain foundation, Station Plaza, here. $200,000.

N. Y., Brooklyn—APARTMENT—Realty Associates, S. Grumpertz, pres., 162 Remsen St., having plans prepared by L. A. Goldstone, engr. and archt., 512 5th Ave., New York City, brick, steel and stone, plain foundation, Boardwalk and 64th St., Brighton Beach, here. $2,000,000.

N. Y., Brooklyn—BATH HOUSE—Realty Associates, S. Grumpertz, pres., 162 Remsen St., having plans prepared by L. A. Goldstone, engr. and archt., 512 5th Ave., New York City, rein.-con. and steel addition, to Parkway Baths, plain foundation, Sea Breeze Ave., Brighton Beach, here. $500,000.

N. Y., Buffalo — CITY HALL — City having sketches made by McKim, Mead & White, 101 Park Ave., New York City, for City Hall, Niagara Sq. $1,000,000.

N. Y., Little Neck (mail Douglaston) — THEATRE — Cripple Bush Realty Co., c/o E. Holmgren, archts. and engr., 371 Fulton St., Brooklyn, having plans prepared 1 story, brick, steel and stone, plain foundation, Northern Blvd., here. $150,000.

N. Y., New York—GARAGE—V. Valentine, c/o Gronenberg & Leuchtag, engrs. and archts., 450 4th Ave., having plans prepared 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, 540 West 58th St.

N. Y., New York — HOTEL — I. Baer Corp., c/o Gronenberg & Leuchtag, engrs. and archts., 450 4th Ave., having plans prepared 31 story, brick, steel and stone, plain foundation, 56th St. and 7th Ave. $6,000,000.

N. Y., New York—LOFT—Five Hundred Eighty-Four 8th Ave. Corp., S. Friedenberg, pres., c/o J. B. Snook Sons, engrs. and archts., 52 Vesey St., having plans prepared 21 story, brick, steel and stone, plain foundation, 584 8th Ave. $4,000,000.

N. Y., New York—LOFT—M. Rosenthal, c/o B. H. Whinston, engr. and archt., 6 East 46th St., having plans prepared 12 story, 30 x 100 ft., brick, steel and stone, plain foundation, 339 West 35th St.

N. Y., New York — OFFICE — Willetts Constr. Co., c/o Sloan & Robertson, engrs. and archts., 441 Lexington Ave., having plans prepared 16 story, 80 x 100 ft., brick, steel and stone, plain foundation, 112 East 32nd St. $600,000.

N. J., Newark—HOTEL and THEATRE—Military Park Constr. Co., c/o Polhemus & Coffin, engrs. and archts., 15 East 40th St., New York City, having plans prepared 18 story, brick, steel and stone, plain foundation, Park Pl., here. $3,000,000.

Pa., Phila. — APARTMENT HOTEL — Kanak Co., 1034 Spruce St., having plans prepared 4 story and basement, 50 x 240 ft., rein.-con., brick and steel, plain foundation, 41st and Chestnut Sts. $350,000. Private plans.

Pa., Phila.—BANK—D. Bassett, archt., 1520 Locust St., preparing plans and soon takes bids 3 story and basement, 24 x 120 ft., rein.-con., brick and steel bank, plain foundation, here. Owner's name withheld.

Pa., Phila.—STORE—H. C. Kahn & Son, 11th and Filbert Sts., having plans prepared by L. B. Rothschild, 215 South Broad St., 8 story and basement, 23 x 200 ft., rein.-con., brick and steel, plain foundation, 929 Market St. $500,000.

Md., Baltimore—GARAGE and REPAIR SHOP—Wilson-Nash Motors Co., T. W. Wilson, Jr., 1100 Cathedral St., had plans prepared 1 story and basement, 150 x 250 ft., rein.-con., brick and steel, plain foundation, 29th and Remington Ave. $100,000. Private plans.

Md., Baltimore—WAREHOUSE—Montgomery, Ward & Co., Chicago Ave. and Larr St., Chicago, Ill., plans 8 story and basement, rein.-con. addition, plain foundation, Monroe St. and Washington Blvd., here. $800,000. Engineer and architect not selected.

N. C., Charlotte—OFFICE—Southern Ry., 13th and Pennsylvania Ave., Wash., D. C., B. Herman, ch. engr., plans 3 story and basement, West Trade St., here. $200,000.

Ga., Atlanta—STORE—Sears, Roebuck & Co., Arthington and Homna Sts., Chicago, Ill., having plans prepared by G. C. Nimmons & Co., 122 South Michigan Ave., Chicago, Ill., for mail order department and retail store, here. $3,000,000.

Fla., Pensacola — HOTEL — E. Weil, archt., Whitney Annex, New Orleans, La., takes bids about January 1, 8 story, fireproof addition to San Carlos Hotel, here. $1,000,000. W. D. Willis, Pensacola, associated archt.

Ind., Bedford—STORE, etc.—W. McMillan & Sons plan 1 story, 135 x 615 ft., steel and stone store and factory. $300,000. Private plans.

Mich., Detroit — APARTMENT — Levine Bros., c/o Wiedmaier & Gay, archts., 51 Campau Bldg., having plans prepared brick and steel, plain foundation. Manderson Ave.

Mich., Detroit—TEMPLE—United Arbiter Assn., Inc., 3638 Gratiot Ave., had plans prepared by L. Kamper, Kamper Bldg., 3 story and basement, 120 x 160 ft., rein.-con., brick and steel, plain foundation, Maxwell and Seminole Aves. $500,000. Noted Nov. 12.

Mich., Detroit—THEATRE and HOTEL—C. H. Miles, Griswold and State Sts., having plans prepared by P. R. Pereira, 333 State St., 16 story and basement, 100 x 201 ft., rein.-con., brick and steel, plain foundation, Adams Ave.

Mich., Highland Park (br. Detroit P. O.) — APARTMENT — H. Silverman, 1101 Lafayette Bldg., having plans prepared by M. Finkel, 1333 Book Bldg., 8 story and basement, 150 x 250 ft., rein.-con., brick and steel, plain foundation, Woodward and McLean Aves. $3,000,000.

Ill., Chicago—APARTMENT HOTEL—Oldefest & Williams, archts., 605 North Michigan Ave., preparing plans and take bids about Dec. 15, 7 story, 50 x 120 ft., rein.-con., brick and terra cotta, 620-622 Gary Pl., for Angelus Building Corp., T. S. Williams, pres., 605 North Michigan Ave. $385,000.

Ill., Chicago—APARTMENT—De Forest A. Matteson, 77 West Washington St., having sketches made 16 story, 85 x 150 ft., rein.-con., brick and steel, 1420 Lake Shore Dr. $2,250,000. Engineer and architect not selected.

Ill., Chicago—HOTEL—Davis Hotel Co., c/o Rissman & Hirschfeld, archts., 64 West Randolph St., had sketches made 14 story hotel, Walton Pl. near North Michigan Blvd. $3,000,000. Noted Dec. 3.

Ill., Chicago—EXCHANGE and OFFICE—Holabird & Roche, archts., 104 South Michigan Ave., soon let contract 2 story and basement (ultimately 5 story), 40 x 42 x 77 x 162 ft., brick and steel, Central and Belden Aves., for Illinois Bell Telephone Co., 212-230 West Washington St.

Ill., Chicago — THEATRE, STORE and OFFICE — Parkview Theatre Building Assn., 3755 Irving Park Blvd., having sketches made by C. H. Lenske, 3755 Irving Blvd., 3 story, 125 x 140 ft., brick, steel and terra cotta, North Central Park and Elston Aves. $650,000.

Ill., Chicago—Berlin & Swern, archts., 19 South La Salle St., preparing plans and take bids about January 11, 10 story and basement, 150 x 150 ft., concrete and brick, North Dearborn and Oak Sts., for Y. W. C. A., 59 East Monroe St. $1,000,000.

Ill., Macomb—HOTEL—Owner, c/o Commercial Assn., E. E. Wyne, pres., making preliminary plans 4 or 6 story hotel. $250,000 up.

Wis., Milwaukee—APARTMENTS—Conrad-Thoma Realty Co., 429 Bway., plans two 3 story and basement, brick and concrete, plain foundations. Grand Ave. and 22nd St. $250,000 each. Engineer and architect not selected.

Wis., Milwaukee—APARTMENT—C. J. Keller & Son, 432 Bway., making preliminary plans 3 story and basement, brick, tile and concrete, Cedar St. $150,000. Private plans.

Wis., Milwaukee — CLUB — University Club, 491 Jefferson St., having preliminary plans prepared by J. R. Pope, 342 5th Ave., New York City, N. Y., 5 story and basement, 80 x 110 ft., brick and concrete, plain foundation, Juneau Pl. $400,000. Noted Jan. 29.

Wis., Milwaukee—THEATRE and BUSINESS—Semi & Pessin, 1606 North Ave., having plans prepared by E. A. Meyer, 2703 Lisbon Ave., and Siewert & Fries, 835 36th St., 3 story and basement, 207 x 284 ft., brick, terra cotta and concrete, plain foundation, North and Fond du Lac Aves. $400,000. Noted Nov. 26.

Wis., Oshkosh—APARTMENT—W. Rasmussen, foot of 7th St., had plans prepared by R. B. Williamson, 508 Bway., Milwaukee, 3 story and basement, 110 x 135 ft., brick and concrete, plain foundation. $180,000.

Wis., Wausau — THEATRE — Wausau Theatres Co., 208 Scott St., having plans prepared by Oppenhamer & Obel, Bellin Bldg., Green Bay, 2 story and basement, 112 x 137 ft., brick, tile and concrete, plain foundation, here. $150,000. Noted Nov. 26.

Ia., Des Moines — TEMPLE — Scottish Rite Temple Assn. soon takes bids 4 story, 116 x 163 ft., concrete, steel, granite and stone. $600,000. Wetherell & Harrison, S & L Bldg., archts.

Kan., Topeka—HOSPITAL—Christ Hospital, 9th and West Sts., takes bids about Jan. 6, 4 story and basement, rein.-con. and brick hospital, incl. swimming pool, power house, etc. $500,000. Schmidt, Garden & Martin, 104 South Michigan Ave., Chicago, engrs. Noted Sept. 3.

Neb., Omaha—THEATRE and APARTMENT—Liberty Film Co., 1514 Davenport St., purchased site and plans 6 story and basement, 148 x 198 ft., rein.-con., brick and steel theatre, etc., 20th and Dodge Sts. $1,500,000. Engineer and architect not selected.

Mo., Farmington—COURT HOUSE—St. Francois Co. Court takes bids about Jan. 1, 3 story and basement, 96 x 96 ft., rein.-con., brick and stone. $250,000. Howard & Finley, International Life Bldg., St. Louis, archts. Noted Oct. 15.

Mo., St. Louis—HOTEL—A. M. Frumberg et al., Bank of Commerce Bldg., Bway. and Olive Sts., having preliminary plans prepared 22 story and basement, 48 x 100 ft., rein.-con., steel, brick, stone and terra cotta, 12th and Pine Sts. $850,000. Private plans.

Mo., St. Louis—OFFICE and GARAGE—H. F. Tacke, 5149 Rosa Ave., having plans prepared by O. J. Krieg, 1002 Arcade Bldg., 2 or 3 story, 125 x 200 ft., brick and concrete, Kingshighway and Lansdowne Blvd. $150,000.

Ark., Fayetteville — HOTEL — Mount Sequoyah Development Co., c/o A. C. Miller, 221 East Capitol St., Little Rock, takes bids in January, rein.-con., brick and stone, Mount Sequoyah St., near here. $250,000. Sieg & McDaniels, 807 Central Bank Bldg., Memphis, Tenn., archts. Noted Oct. 22.

Tex., Coleman—HOTEL—J. P. and C. M. Martin, having plans prepared by D. S. Castle Co., Abilene, 4 story and basement, rein.-con., brick and stone hotel. $175,000.

Tex., Dallas—OFFICE—J. N. McCammon, Inc., (owner and archt.), 604 Southland Life Bldg., preparing plans 24 story, basement and sub-basement, 50 x 100 ft., brick, terra cotta and steel, Main and Akard Sts. $1,750,000.

Tex., Ft. Worth — MEDICAL ARTS — Sanguinett, Staats & Hedrick, archts., 1st Natl. Bank Bldg., preparing plans and take bids about Jan. 1, general contract 16 or

Buildings—Commercial (Continued)

18 story, 108 x 209 ft., rein.-con., brick and stone, Cherry, Burnett and 10th Sts., for Tarrant Co. Medical Arts Building Co., c/o C. F. Clayton, 709 F. & M. Bank Bldg. Total $1,000,000. Excavation for above, to J. T. Taylor, Burk Burnett Bldg., approximately $25,000. Noted Nov. 12.

Tex., Kerrville — COURTHOUSE and JAIL—Kerr Co., c/o L. Wallace, judge, plans rein.-con., brick, stone and steel courthouse and jail. $150,000. Engineer and architect not selected.

Tex., San Antonio — HOTEL-APARTMENT—W. P. Waldrep, c/o Waldrep Bldg., Tulsa, Okla., having plans prepared Will-liam Penn Hotel-Apartment, 10 story and basement, rein.-con. and brick, plain foundation, Nopal and Steves Sts., here. $2,500,000. Private plans.

Tex., San Antonio—SALES, STORE and WAREHOUSE—A. A. Herff, archt., Savings and Loan Bldg., soon lets contract 2 story, 125 x 150 ft., and 1 story, 80 x 150 ft., rein.-con. and brick, East Huston and Chestnut Sts., for Crane Co., 836 South Michigan Ave., Chicago, Ill.

Tex., San Benito—HOTEL—Chamber of Commerce, c/o Secretary, plans 4 story, brick, stone and rein.-con. hotel. $250,000. Engineer and architect not selected.

Okla., Oklahoma City — HOSPITAL — Wesley Hospital, 300 West 12th St., c/o A. Blesh, doctor, having preliminary plans prepared by Moore & Smith, archts. and engrs., 224½ West 3rd St., Oklahoma City, 4 story and basement, rein.-con., brick and stone hospital, plain foundation. $250,000.

Okla., Oklahoma City—OFFICE—Levy Bros. having plans prepared 3 story, 75 x 140 ft., rein.-con. addition, plain foundation, Harvey and Main Sts. $175,000. Engineer and architect not selected.

Okla., Okmulgee—OFFICE, etc.—J. W. McCullough, 1324 8th St., soon takes bids 6 story and basement, 95 x 102½ ft., rein.-con., stone, terra cotta and brick, Creek St. $400,000. Smith & Senter, 401 Commerce Investment Bldg., archts. Noted Oct. 16.

Okla., Tulsa—CIVIC—City soon takes bids 4 story and basement, 65 x 130 ft., rein.-con., brick and stone civic headquarters. $150,000. Endacott & Rush, 404 New Wright Bldg., archts.

Wash., Olympia—BANK and OFFICE—Security Bank Bldg. Co., (being organized), plans 5 story, approximately 60 x 120 ft., rein.-con., 4th Ave. and Washington St. $300,000. Engineer and architect not selected.

Wash., Seattle—AUTO—Eldridge Buick Co., plans 3 story, 90 x 170 ft., 10th St. N. E. and 45th St. $200,000. Engineer and architect not selected.

Wash., Tacoma—HOTEL—C. Drury Ansonia Apartments, having plans prepared by Heath, Gove & Bell, P. S. Bank Bldg., 5 story, 100 x 120 ft., brick and terra cotta, 9th St. and Pacific Ave. $175,000.

Calif., Glendale—CLUB—Glendale Elks Lodge having preliminary plans prepared by A. F. Priest, 719 Fay Bldg., Los Angeles, approximately 150 x 160 ft. club, incl. swimming pool, 120 East Colorado St. $200,000.

Calif., Huntington Beach—HOTEL—J. H. Macklin, Whittier, plans 3 story, 100 x 150 ft., rein.-con., ocean front. $150,000. Engineer and architect not selected.

Calif., Lankershim—THEATRE, STORE AND OFFICE—Hollywood Theatres, Inc., 7425 Sunset Blvd., Los Angeles, had plans prepared by L. A. Smith, West Coast Theater Bldg., Washington St. and Vermont Ave., Los Angeles, 2 story, 72 x 100 ft. store and office, and 100 x 200 ft. theater, 1,400 seating capacity, here. $200,000.

Calif., Lompoc—THEATRE, LODGE and STORE—Knights of Pythias, plans rein.-con. or brick theatre, lodge and store building. $150,000.

Calif., Los Angeles — APARTMENT — Harris & Dickerman, 905 Insurance Exch. Bldg., had plans prepared by R. D. King, 519 Van Nuys Bldg., 5 story and basement, 80 x 135 ft., rein.-con., Beverly Blvd. and Berendo St. $150,000.

Calif., Los Angeles—THEATRE, STORE and OFFICE—W. E. Chadwick, designer, Union League Bldg., preparing plans 2 story, 1,500 to 2,000 seating capacity, Whittier Blvd. $200,000. Owner's name withheld.

Calif., Los Angeles—THEATRE, STORE and OFFICE—W. H. Fisher, Union Oil Bldg., had plans prepared by L. A. Smith, West Coast Theatre Bldg., Washington St. and Vermont Ave., 2 story, theatre section 135 x 162 ft., 2,000 seating capacity, and office section 35 x 140 ft., Wilshire Blvd. near La Brea Ave. $200,000.

Calif., Los Angeles — WAREHOUSE — Challenge Cream & Butter Assn., 1219 South San Pedro St., soon takes bids 2 story (ultimately 4 story) and basement, 93 x 240 ft., rein.-con., 2nd and Vignes Sts. $150,000. C. F. Plummer, 1108 Story Bldg., archt. Noted Oct. 22.

Calif., Oakland—OFFICE—L. R. Lurie, 315 Montgomery St., San Francisco, having plans prepared by O'Brien Bros., 315 Montgomery St., San Francisco, 3 story and basement, rein.-con., Franklin St. $150,000.

Calif., Oceanpark (Ind. sta. Santa Monica) — CLUB — Santa Monica Elks Lodge, Santa Monica, having plans prepared by C. H. Russell Co., 1106 Story Bldg., Los Angeles, 5 story and basement, 81 x 200 ft., timber, Main St. and Pier Ave., here. $350,000.

Calif., Sacramento—APARTMENT—F. J. Wentz, c/o E. J. Seadler, archt., Mitau Bldg., having plans prepared 9 story apartment, on bank American River. $200,000.

Calif., San Fernando—BANK, OFFICE and APARTMENT—Bank of San Fernando having plans prepared by Walker & Eissen, Great Republic Bldg., Los Angeles, 2 story, 100 x 100 ft., brick bank, office and apartment building. $175,000. Noted Dec. 3.

Calif., San Fernando — CITY HALL — Plans election $150,000 bonds, for city hall.

Calif., San Francisco—APARTMENT—Marian Realty Co., 110 Sutter St., having plans prepared by H. C. Baumann, 251 Kearny St., 5 story and basement, rein.-con., Filbert St. and Van Ness Ave. $150,000.

Calif., San Francisco—APARTMENT—T. Meyer, 1st Natl. Bank Bldg., having plans prepared by H. C. Baumann, 251 Kearny St., 14 story and basement, Jackson St. $300,000.

Calif., San Francisco—GARAGE and STORE—E. Tropp, et al, will not construct 10 story and basement, steel and rein.-con., O'Farrell St. $800,000. Project abandoned. Noted Nov. 26.

Calif., San Francisco—HOSPITAL and NURSES HOME—St. Joseph's Hospital, Park Hill and Buena Vista Aves., had plans prepared by Bakewell & Brown, 251 Kearny St., 6 story and basement hospital, and 3 story, rein.-con. addition to nurses home, Buena Vista Ave. $825,000.

Calif., San Francisco—HOTEL—A. Tilden, c/o J. C. Hladik, Monadnock Bldg., had plans prepared 6 story and basement, steel and rein.-con., Taylor St. near O'Farrell St. $250,000.

Calif., San Francisco — HOTEL and STORE—Penziner, 750 Taylor St., having plans prepared 10 story and basement hotel and store in downtown section. $1,500,000.

Calif., San Mateo — HOTEL — B. Getz, DeYoung Bldg., San Francisco, having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 10 story and basement, 3rd Ave., here. $1,000,000.

Calif., Santa Barbara—HOTEL—J. Morgan, archt., Merchants Exch. Bldg., San Francisco, soon takes bids 4 story, rein.-con., Anacapa St., for Margaret Baylor Inn, c/o architect. $150,000.

Calif., Santa Cruz—STORE and OFFICE—Wilson Bros., 126 Pacific Ave., plans 2 or 4 story, probably rein.-con., Pacific Ave. $150,000.

Calif., Stockton—HOTEL and STORE—J. Ruiz, 1346 South American St., soon takes bids 3 story and basement, 125 room, brick and steel, Main and Center Sts. $150,000. R. P. Morrell, Union Bldg., archt. Noted Oct. 29.

BIDS DESIRED

N. H., Nashua — STORE — C. H. Avery Co., 59 Factory St., taking bids 5 story and basement, 75 x 95 ft., brick, Factory St. $150,000. D. F. Holt & Son, 112 Vine St., archts.

Mass., Attleboro — THEATRE — Eagle Home Building Assn., c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, taking bids 2 story and basement, 132 x 190 ft., brick and terra cotta, Bank St. $175,000. Noted Nov. 12.

Mass., Avon — TOWN HALL and FIRE STATION — Town, G. Wood, chn. com., taking bids 4 story and basement, rein.-con. and brick town hall and fire station. $150,000. W. J. Freethy, 113 State St., Boston, archt.

Mass., Lowell—THEATRE—S. Katz, c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, taking bids 2 story and basement, 100 x 150 ft., brick and terra cotta, Merrimack St. $150,000. Noted Nov. 19.

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Malden (br. Boston)—GARAGE—See "Contracts Awarded."

Mass., Somerville (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Somerville (Boston P. O.)—THEATER, STORE and OFFICE—G. Vartel, c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, taking bids 2 and 3 story and basement, 100 x 200 ft., brick and terra cotta, 303 Bway. $200,000. Noted Dec. 3.

Mass., Springfield — APARTMENT — See "Contracts Awarded."

R. I., Providence—BUSINESS—A. Wilmore, 1917 Westminster St., taking bids 3 story and basement, 50 x 125 ft., brick and cast stone, Falcon St. $150,000. W. H. Walker, 49 Weybosset St., archt.

Conn., Hartford—THEATRE—See "Contracts Awarded."

N. Y., Buffalo—MARKET—Dec. 22, by Commissioner Parks & Buildings, rein.-con., brick and steel, Bailey Ave. To exceed $200,000.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

Pa., Allentown—HOTEL and STORE—Dec. 18, by Ritter & Shay, archts., Packard Bldg., Phila., 7 story and basement, 47 x 56 ft. and 47 x 96 ft., rein.-con., brick and steel, plain foundation, 129-137 North 7th St., here, for W. D. Cassone. $200,000.

Pa., Homestead — WAREHOUSE — Carnegie Land Co., Frick Annex, Pittsburgh, taking bids 2 story and basement, 50 x 110 ft., brick, steel and concrete, here. $150,000. Private plans.

Pa., Phila.—HOTEL, CLUB and OFFICE—Dec. 21, by A. L. Harmon, archt., 19 West 44th St., New York City, 14 story and basement, 54 x 85 ft., rein.-con., brick and steel, plain foundation, 20th and Sansom Sts., for Emergency Aid of Pennsylvania, c/o J. W. Martin, acting chn., 21st and Walnut Sts. $850,000.

Pa., Pittsburgh—GARAGE—J. Feigenbaum, 4th Ave., taking bids 4 story and basement, brick, concrete and steel, 4th Ave. and Chancery Lane. $250,000. Private plans. Noted January 29.

Pa., Steelton—MUNICIPAL—Dec. 28 (extended date), by Boro, at office H. R. Rupp, secy., 114 Walnut St., municipal building and approach. C. J. Lappley, Parkside Bldg., 2nd and Locust Sts., Harrisburg, archt.; adv. E. N.-R. Dec. 17. Noted Dec. 10.

O., Cleveland — COMMERCIAL and APARTMENT — L. Duchon, 515 Ulmer Bldg., taking bids 5 story, 102 x 104 ft., concrete, brick and steel, East 101st St. and Euclid Ave. $400,000. W. S. Ferguson Co., 1900 Euclid Bldg., archts. Noted Dec. 3.

Mich., Detroit — HOTEL — L. Kamper, archt., Kamper Bldg., taking bids and open same about Dec. 19, 15 story and basement, 112 x 246 ft., rein.-con., brick and steel, plain foundation, Woodward Ave. and Adelaide St., for P. Kamper & R. L. Spitzley, Kamper Bldg. $2,500,000. Noted Oct. 8.

Wis., Madison—THEATRE and STORE — E. Michalson, 1949 Winnebago St., taking bids 4 story, 60 x 155 ft., rein.-con., brick and steel, plain foundation. $350,000. P. M. Homer, Madison, archt.

Wis., Madison — THEATRE — Beecroft Building Co., c/o W. G. Beecroft, 6 West Mifflin St., and C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., taking bids 2 story, rein.-con., brick and steel theatre, plain foundation. $275,000.

Minn., Duluth—THEATRE—Jan. 1, by C. Hartley, executor, G. G. Hartley Estate, 740 East Superior St., 3 story, 100 x 140 ft., rein.-con., brick, tile and terra cotta, concrete pile foundation, Superior St. E. and 2nd Ave. Gilliluson, Ellingsen & Erickson, 502 Lonsdale Bldg., engrs. and archts. $225,000.

Mo., St. Louis — GARAGE — See "Contracts Awarded."

Calif., Los Angeles—THEATRE, STORE and OFFICE—Cowles-Perrine, archts., Lincoln Bldg., taking bids rein.-con. theatre, store and office building, Pasadena Ave., for West Coast Theatres, Inc., c/o architect. $150,000.

Calif., Los Angeles—THEATRE, STORE and OFFICE — L. A. Smith, archt., Lily-Fletcher Bldg., taking bids 2 story, rein.-con., 1,500 seating capacity, Maplewood and Western Aves., for West Coast Theatres, Inc., Film Exch. Bldg. $150,000.

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

BIDS RECEIVED

Mass., Jamaica Plain (Boston P. O.) — HOME—Home for Aged Women, c/o Cool-

Buildings—Commercial (Continued)

idge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., Boston, 5 story and basement, 169 x 180 ft., brick, South Huntington Ave. and Jamaica Way, here, from Archdeacon & Sullivan, 5 East Concord St., Boston, $107,855. Noted Nov. 26.

CONTRACTS AWARDED

Mass., Boston—HOTEL—C. H. Blackall, 20 Beacon St., 17 story and basement, 8,400 sq ft. floor space, brick, steel and limestone, Tremont St. opposite Hollis St., to F. T. Ley, Inc., 230 Boylston St. Archts. est. $2,000,000. Noted Aug. 27.

Mass., Lynn—APARTMENT—M. Freish, 25 Neptune St., will build 3 story and basement, 60 x 150 ft., brick and stone, 14 Chase St. Work will be done by separate contracts. $175,000. G. A. Cornet, 10 Central Ave., archt.

Mass., Malden (br. Boston)—GARAGE—P. Levine, c/o J. Tuck, archt., Park Sq. Bldg., Boston, will build 1 story, 110 x 300 ft., brick and steel, Pleasant St. Work will be done by separate contracts. $150,000. Noted Nov. 12.

Mass., Somerville (Boston P. O.) — APARTMENT—F. H. Lilley, 21 Elmwood Park, Malden, will build 7 story and basement, brick and cast stone, plain foundation, Evergreen Ave, here. $150,000 or more. Work will be done by separate contracts. C. F. Springall, 50 Concord St., Malden, archt.

Mass., Somerville (Boston P. O.)—APARTMENT—Gould & Lilley, 21 Elmwood Park, Malden, will build 3 story and basement, 77 x 100 ft., brick, plain foundation, Summer Ave., here. $150,000. Work will be done by separate contracts. C. F. Springall, 50 Concord St., Malden, archt. Noted Dec. 10.

Mass., Springfield — APARTMENT — M. Bennett, 62 Osgood St., will build 4 story and basement, 65 x 135 ft., brick, 64 Osgood St. Work will be done by separate contracts. $165,000. J. W. Foster, 105 Bridge St., archt.

Conn., Hartford—APARTMENTS—S. I. Ward, 750 Main St., two 3 story, 35 x 132 ft., brick and steel, Farmington Ave., to A. Levin, 27 Westbourne Parkway. Archts. est. $225,000. Noted Dec. 3.

Conn., Hartford — THEATRE — Harris Bros., c/o G. A. Sandblom, archt. and engr., 145 West 45th St., New York City, N. Y., will build 156 x 485 ft. theatre, Village St. $500,000. Work will be done by separate contracts.

N. Y., Brooklyn—APARTMENT—Regent-Kenmore Corp., c/o Shampan & Shampan, engrs. and archts., 188 Montague St., will build 6 story, 100 x 100 ft., brick, steel and stone, plain foundation, Ocean Ave., by day labor. $350,000.

N. Y., New York—APARTMENT—Forty-Seven West 96th St. Corp., c/o E. Roth, engr. and archt., 119 West 40th St., will build 15 story, 80 x 85 ft., brick, steel and stone, plain foundation, 41 West 96th St. $500,000. Work will be done by separate contracts.

N. Y., New York—APARTMENTS—High View Building Corp., c/o C. Kreymborg, engr. and archt., 2534 Marion Ave., will build two 6 story, brick, steel and stone, plain foundations, Woodycrest Ave., by day labor. $250,000 each.

N. Y., New York—APARTMENT—H. L. Constr. Co., c/o C. Kreymborg, engr. and archt., 2534 Marion Ave., will build 5 story, 82 x 90 ft., brick, steel and stone, plain foundation, Oliver Pl., by day labor. $150,000.

N. Y., New York—LOFT—J. Tishman & Sons, Inc., 280 Madison Ave., will build 16 story, 65 x 100 ft., brick, steel and stone, plain foundation, 50-56 West 37th St. Work will be done by separate contracts. Engineer and architect not selected.

Pa., Pittsburgh — APARTMENT — P. Miller, Inc., 600 Majestic Bldg., Detroit, Mich., general contract Webster Hall Apartment, 11 story and basement, 207 x 317 ft., 5th Ave. and Dithridge St., to Everett Winters Co., 1024 Book Bldg., Detroit, Mich. Archts. total est. $3,000,000. Noted Aug. 20.

Pa., Pittsburgh—POLICE STATION—City, c/o W. P. Magee, mayor, general contract 4 story and basement, 46 x 160 ft. police and fire station, 1st Ave. and Short St., to Landan Bros. Co., 125 1st Ave., $307,818. Noted Nov. 19.

Pa., Phila. — HOSPITAL — Zantzinger, Borie & Medary, archts., Otis Bldg., 4 story and basement, 60 x 142 ft., rein.-con., brick and steel, plain foundation, 8th and Spruce Sts., to F. L. Hoover & Son, 1023 Cherry St., for Pennsylvania Hospital. Archts. est. $400,000. Noted Nov. 19.

Pa., Phila.—STORAGE WAREHOUSE—G. S. Kingsley, archt., 1452 Bway., New York City, N. Y., 6 story and basement, 75 x 120 ft., rein.-con. and brick, plain foundation, 237-53 Church Lane, to Evans Steele Co., 2217 Chestnut St., for Wallace Storage Co., 1826 North 20th St. Archts. est. $300,000.

Pa., Phila.—THEATRE, etc.—Ogontz & Church Lane Realty Co., c/o Hoffman-Henon Co., Finance Bldg., and Magaziner, Eberhard & Harris, archts., 603 Chestnut St., 2 and 3 story and basement, 74 x 120 ft., and 71 x 87 x 168 ft., rein.-con., brick and steel, plain foundation, Ogontz Ave. and Church Lane, to G. Kessler Co., 1733 North Marvine St. Noted Sept. 17.

Pa., Rochester—HOTEL—Amer. Hotels Co., Inc. c/o G. B. Post & Sons, archts. and engrs., 101 Park Ave., New York City, N. Y., 100 room, brick, steel and stone hotel, plain foundation, here, to Day & Zimmerman, 16th and Walnut Sts., Phila. Archts. est. approximately $1,000,000. Noted Oct. 29.

La., New Orleans — OFFICE — W. E. Spink, archt., Canal-Commercial Bldg., steel for Pere Marquette Bldg., Baronne and Common Sts., to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo.; terra cotta, to Amer. Terra Cotta Co., 1701 Prairie Ave., Chicago, Ill.; and foundation, to H. H. Williams Co., 816 Howard St. Noted Dec. 10.

O., Lima—BANK and OFFICE—Walker & Weeks, archts., 1900 Euclid Bldg., Cleveland, 8 story and basement, 50 x 87 ft., concrete, brick and steel, here, to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland, for Old Natl. Bank. Archts. est. $400,000. Noted Nov. 26.

Ind., Muncie—Y. W. C. A. of Muncie, 3 story, brick and steel, plain foundation, to C. F. Morrow Constr. Co., Muncie, $285,000. Noted July 9.

Mich., Highland Park (br. Detroit P. O.)—APARTMENTS, etc.—Highland Building Corp., 1200 Washington Blvd., Detroit, twenty 5 story and basement apartment buildings and boiler house, rein.-con., brick and steel, plain foundation, Woodward Ave., here, to Jones McNally Co., 1901 Washington Boulevard Bldg., Detroit. Archts. est. $3,000,000.

Mich., Pontiac—HOTEL—S. Plotkin, 120 West Montcalm St., Detroit, 4 story and basement, 103 x 140 ft., rein.-con., brick and steel, plain foundation, Perry St., to A. J. Dupuis & Co., 1210 Ford Bldg., Detroit. Archts. est. $200,000. Noted Nov. 12.

Ill., Chicago—APARTMENT—R. Gregori, archt., 155 North Clark St., 3 story and basement, 85½ x 125 ft., brick and stone, Ainslie St. and Magnolia Ave., carpentry, to Carlson & Erickson, 7123 Bennett Ave.; masonry, to J. Traff, 3785 North Clark St.; steam fitters, to Phillips-Getschow Co., 130 West Kenzie St., for N. and L. Wallach, 6438 Greenview Ave.. Archts. est. $350,000. Noted Nov. 19.

Ill., Chicago—APARTMENT—P. Klein, 110 North Dearborn St., masonry contract, 5 story, 87¾ x 116 ft., 57-71 East Goethe St., to D. M. Reid, 140 South Dearborn St. Archts. est. $250,000.

Ill., Chicago—APARTMENT HOTEL—Fairfax Apartment Building Corp., c/o J. A. Nyden, archt., 190 North State St., masonry and concrete contract 10 story, 100 x 120 ft., brick, stone and terra cotta, Hyde Park Blvd. and Dorchester Ave., to J. A. Lundstrum, 5153 North Clark St. Archts. est. $1,250,000.

Ill., Chicago—BANK—Central Mfg. Dist. Bank, 1112 West 35th St., general contract 2 story, 50 x 125 ft., brick and stone addition, to E. W. Sproul Co., 2001 West 39th St. Archts. est. $200,000.

Ill., Chicago—HOTEL and STORE—D. S. Klafter, archt., 64 West Randolph St., 6 story, 50 x 143 ft., rein.-con., brick and steel, 4826 Sheridan Rd., to Fitzgerald Constr. Co., 500 North Dearborn St., for J. Glasser, 4645 Sheridan Rd. Archts. est. $750,000. Former contract rescinded. Noted Nov. 12.

Ill., Chicago — OFFICE — J. Morton, 80 East Jackson Blvd., wrecking old building and foundations, masonry, fireproofing and caissons for 21 story and 3 story tower, 160 x 182 ft., concrete, tile, brick, granite and limestone, caisson foundation, Washington and Wells Sts., to H. Ericsson Co., 139 North Clark St. Archts. est. $2,000,000. Noted Sept. 10.

Ill., East St. Louis—HOTEL—Broadway Central Hotel Corp., 700 East Bway., 6 story and basement, 100 x 210 ft., rein.-con., brick and terra cotta, Bway. and 4th St., to Widmer Eng. Co., Laclede Gas Bldg., St. Louis, Mo. Archts. est. $1,100,000.

Ill., Evanston—HOTEL—Four Hundred and Twenty-two Davis Street Corp., c/o A. S. Hecht, archt., 155 North Clark St., general contract 7 story, 149¼ x 185 ft., rein.-con., brick and terra cotta, Davis St. and Hinman Ave., to Paschen Bros., 111 West Washington St. Archts. est. $2,000,000.

Ill., West Chicago—TEMPLE—C. Hatzfeld, archt., 7 South Dearborn St., Chicago, general contract altering and constructing 3 story, 28 x 52 ft., fireproof addition, here, to A. Miller, 2711 North Sacramento Ave., Chicago, for Masonic Temple Assn. Noted Nov. 5.

Wis., Madison — OFFICE — Fairchild Building Corp., 114 North Carroll St., 3 story, 80 x 100 ft., rein.-con., brick and steel, plain foundation, to Newel Bros. Co., 2306 University Ave. Archts. est. $150,000.

Wis., Madison—STORE—University Cooperative Assn., E. J. Grady, mgr., 508 State St., 1 story, 60 x 150 ft. brick, rein.-con. and steel, State St., to C. B. Fritz Co., 138 North Frances St. Noted Oct. 1.

Kan., Winfield—HOSPITAL—City, c/o Bd. Trustees William Newton Memorial Hospital, general contract 3 story and basement, 41 x 165 ft., rein.-con., brick and stone, to P. Frankerfeld, Winfield, $99,688.

Mo., St. Louis—GARAGE—G. T. Burdeau Realty Co., 801 Chestnut St., will build 1 story, 228 x 247 ft., brick and steel motor-bus garage, by day labor. $150,000. J. T. Craven Eng. Co., Century Bldg., engrs. Peoples Motorbus Co., 585 Adelaide St., lessee.

Mo., St. Louis—OFFICE—Union Electric Light & Power Co., 12th and Locust Blvds., remodeling portion brick, concrete and steel building formerly used by Shubert-Jefferson Theatre, for offices, to Westlake Constr. Co., Ry. Exch. Bldg. Archts. est. $450,000.

Tex., Brownsville—HOTEL—James Dickinson Co., 6 story and basement, rein.-con., tile and stucco, plain foundation, to Kelwood Co., Travis Bldg., San Antonio, $250,000, cost plus percentage basis. Noted Oct. 1.

Tex., Dallas—WAREHOUSE and OFFICE—Land & Witchell, archts., 300 Amer. Exch. Bank Bldg., 8 story and basement, 95 x 125 ft., rein.-con., brick and stone, Commerce and Poydras Sts., to Jopling-Marshall Constr. Co., 522 Slaughter Bldg., for Wholesale Merchants Building Co., 904 Commerce St. About $350,000.

Calif., Los Angeles—APARTMENT—A. J. Eyraud, 4 story and basement, brick and concrete, 7th St. and Gramercy Pl., to Bard & Co., Chamber of Commerce Bldg., $235,000.

Calif., Los Angeles—GARAGE—Santee Garage Co., general contract 6 story, 100 x 160 ft., stucco, Santee St. between 8th and 9th Aves., to Pinner Masonry Constr. Co., 406-08 Lankershim Bldg., $360,000.

Calif., Los Angeles—STORE and LOFT—Army & Navy Store, 530 South Main St., 6 story and basement, 82 x 130 ft., rein.-con., Los Angeles St., to Baruch Corp., I. W. Hellman Bldg., $175,000. Noted Nov. 26.

Calif., Los Angeles—WAREHOUSE and OFFICE — G. Reynolds Electric Co., 300 East 3rd St., 3 story and basement, 80 x 130 ft., brick and rein.-con., Traction Ave., to Hodge & MacMackin, 1326 Washington Bldg.

Calif., Monterey—HOTEL—J. Juillard Hotel Co., c/o Hotel Del Monte, Del Monte, 7 story and basement, Main and Franklin Sts., to F. W. McCrary, Fremont St., $258,374. Noted Nov. 26.

Calif., Oakland—OFFICE—L. R. Lurie, 315 Montgomery St., San Francisco, 3 story and basement, rein.-con., Franklin St., to Industrial Constr. Co., 815 Bryant St., approximately $180,000. Noted Dec. 17.

Calif., Pasadena — HOTEL — C. V. L. Perry, c/o McNeal Swasey, archt., 405 Hibernian Bldg., Los Angeles, general contract, 7 story and basement, 100 x 175 ft., stone and rein.-con., Mentor Ave. and Colorado St., to Orndorff Constr. Co., 351 North Western Ave., Los Angeles, $450,000. Noted Dec. 3.

Calif., Pebble Beach — CLUBHOUSE — Monterey Peninsula Country Club, c/o C. A. Tantau, archt., 251 Kearny St., San Francisco, clubhouse, incl. swimming pool and tennis courts, etc., here, to Lindgren-Swinerton, Inc., 114 Sansome St., San Francisco, $150,000. Noted Oct. 29.

Calif., San Francisco—APARTMENT—L. Blum, 180 Jessie St., will build 4 story and basement, rein.-con., Bush St. near Hyde St., by day labor. $150,000. Private plans.

Calif., San Pedro—STORE—M. E. Lotz, 431 Center St., 4 story, 95 x 100 ft., brick and concrete, 4th and Center Sts., to H. C. Layton, 1727 Patton St., approximately $150,000.

Buildings—Educational, Religious

PROPOSED WORK

Vt., Rockingham — HIGH SCHOOL — Town, Bd. Selectmen plans rebuilding and equipping high school, recently destroyed by fire. Funds not to exceed $275,000 to be appropriated. Engineer and architect not selected.

Mass., Boston—CHURCH—Brighton Ave. Baptist Church, c/o Blackall, Clapp & Whittemore, archts., 20 Beacon St., having plans prepared 1 story and basement, brick and stone, Cambridge and Gordon Sts. To exceed $150,000.

Mass., Boston—RECREATION—Boston Baptist City Mission, 527 Tremont Temple, having plans prepared by Kendall, Taylor & Co., 142 Berkley St., 4 story and basement, brick, Green and Pitts Sts. $150,000.

Mass., Concord — NURSES HOME — Emerson Hospital, c/o Derby & Robinson, archts., 5 Joy St., Boston, having plans prepared 2 or 3 story, brick nurses home. $150,000.

Mass., Dorchester (Boston P. O.)—SCHOOL—City, Schoolhouse Dept., Boston, plans 2 story, brick, Oak Ave., Charlemont and Delmont Sts., here. $150,000. Engineer and architect not selected.

Mass., Hyde Park (Boston P. O.)—SCHOOL—City, Schoolhouse Dept., Boston, plans 2 story and basement, brick Central Ave., Elm, Arlington and West Sts., here. $160,000. Engineer and architect not selected.

Mass., Leominster — HIGH SCHOOL — Supt. of Schools plans Junior High School, 2 and 3 story, brick and stone, School St. and Meriam Ave. $200,000. Engineer and architect not selected.

Mass., Lowell—SCHOOL—City, J. J. Donavan, mayor, plans 2 story, brick, Oakland St., Andover Dist. $150,000. Engineer and architect not selected.

Mass., Medfield — RECTORY — St. Edwards Roman Catholic Church, J. R. McColl, pastor, having sketches made by H. L. Kennedy, 80 Boylston St., Boston, 3 story and basement, brick and stone rectory. $150,000.

Mass., Newburyport—PARISH HOUSE—St. Pauls Episcopal Church, having plans prepared by W. G. Perry, 177 State St., Boston, 2 story and basement, brick and stone, High St. $150,000.

Mass., Watertown — SCHOOL — Town, C. M. Abbott, chn. com. having sketches made by Kilham, Hopkins and Greeley, 9 Park St., Boston, 2 story and basement, brick, North End. $150,000 or more.

Mass., West Newton (Ind. br. Boston)—HIGH SCHOOL—City, E. O. Childs, mayor, plans Junior High School, 2 story and basement, brick, Washington St. $500,000. Engineer and architect not selected.

Mass., Winchester—PARISH HOUSE and CHAPEL — First Congregational Church, C. P. Downer, chn. comn., having plans prepared by R. Coit, 9 Park St., Boston, 2 story and basement, 73 x 121 ft., granite and stucco parish house and chapel. $160,000.

R. I., Woonsocket — SCHOOL — Sacred Heart Parish, c/o A. J. Murphy, archt., 146 Westminster St., Providence, having plans prepared 2 story and basement, brick, Olą St. $150,000.

Conn., Darien—HIGH SCHOOL—Town, School Bd., having plans prepared by Starrett & Van Vleck, 393 7th Ave., New York City, brick and steel high school, Post Rd. $150,000. Noted Nov. 12.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., 4 story, 100 x 180 ft., brick, steel and stone addition to P. S. 104, plain foundation, 92nd St. and 9th Ave., here. $575,000.

N. Y., New York—NURSES HOME—Presbyterian Hospital, Madison Ave. and 70th St., plans 14 story, 72 x 153 ft., brick, steel and stone, plain foundation, Riverside Dr. between 166th and 167th Sts. $1,000,000. Engineer and architect not selected.

N. Y., Springfield (Jamaica P. O.) — SCHOOL — Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 132, brick, steel and stone, plain foundation, Merrick Rd., here. $350,000.

N. Y., Woodhaven (Ind. br. Jamaica)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 73, 4 story, brick, steel and stone, plain foundation, 71st and 54th Sts., here. $350,000.

N. J., Newark — SCHOOL — Bd. Educ. having plans prepared by J. Fred Cook, 9 Clinton St., brick, steel and stone addition, plain foundation, Maple Ave. $165,000.

N. J., Newark — SCHOOL — Bd. Educ. having plans prepared by J. Fred Cook, 9 Clinton St., brick, steel and stone addition, plain foundation, Sumner Ave. $300,000.

Pa., Lock Haven—HIGH SCHOOL—Lock Haven School Dist., N. P. Benson, supt., plans 3 story and basement, 150 x 200 ft. high school; also remodeling present school buildings. $400,000. Engineer and architect not announced.

Pa., Pittsburgh—SCHOOL—Bd. Educ., Fulton Bldg., having plans prepared by MacClure & Spahr, Chamber of Commerce Bldg., 2 story and basement addition to Langley Senior and Junior High School, Hutton St. and Charters Ave. $400,000.

Md., Baltimore — SYNAGOGUE — Beth Tfiloh Congregation, c/o F. A. Fletcher, archt., 407 North Charles St., plans 1 story and basement, steel and stone, Garrison and Dalrymple Aves. $150,000.

Ga., Atlanta—COLLEGE—Agnes Scott College, R. McCain, pres., having plans prepared by Cram & Ferguson, Boylston St., Boston, Mass., administration, memorial chapel, and laundry buildings. $740,000.

O., Cleveland — LIBRARY — Public Library Bd., C. S. Metcalf, secy., East 3rd St. and Superior Ave., having plans prepared by Walker & Weeks, 1900 Euclid Bldg., two 1 and 2 story, concrete, brick and steel, East 116th St. and Buckeye Ave. and Parkwood Dr. $180,000.

O., Dayton — CHURCH — Epworth Methodist Episcopal Church, N. J. Neibel, chn. building com., 823 Ferguson Ave., plans 1 and 2 story and basement, 100 x 130 ft., rein.-con., brick and stone, plain foundation, West 3rd St. $190,000. Private plans.

O., Dayton—SCHOOLS—Bd. Educ., Ludlow Bldg., having plans prepared by Pretzinger & Musselman, Reibold Bldg., Harrison School, Germantown St.; by Herman & Brown, Reibold Bldg., Huffman Junior High School, Huffman Ave.; and by Walker & Norwick, Amer. Bldg., Dover Junior High School, Dover St., all 2 and 3 story, rein.-con. and brick, plain foundation. $900,000.

O., Lakewood (Cleveland P. O.) — SCHOOL — Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., having plans prepared by Howell & Thomas, 4500 Euclid Ave., Cleveland, 2 story, concrete, brick and steel, Lake and Whippoorwill Aves. $250,000. Noted Nov. 26.

O., Rock River—SCHOOLS—Bd. Educ., K. K. Hastings, clk., having plans prepared by Fulton & Taylor, 8120 Euclid Ave., Cleveland, grade school, on north side, $175,000; also by A. F. Foose & G. Fox, 6523 Euclid Ave., Cleveland, grade school, on south side, $175,000, each 2 story and basement, brick, steel and concrete.

Ind., Indianapolis — SCHOOLS — Bd. Educ. plans School 42 $185,000, School 9 $160,000, School 74 $160,000, and School 14 $150,000, each 2 story and basement, brick and rein.-con., concrete pile foundations. Engineer and architect not selected.

Ind., South Bend — CHURCH — River Park Methodist Episcopal Church having plans prepared by L. H. Sturges, 527 Bd. Trade Bldg., Indianapolis, 2 and 3 story, stone church. $150,000.

Mich., Detroit—SCHOOL—Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath, Dohmen & Page, 2231 Park Ave., 2 story and basement, rein.-con., brick and stone, plain foundation, Visger Ave. $200,000.

Mich., Trenton — CHURCH, etc. — St. Thomas Episcopal Church, having plans prepared by A. H. Gould & Son, 602 Empire Blvd., Detroit, 1 story and basement, brick and stone church, 2 story and basement, 37 x 130 ft. parish house, and 2 story 37 x 130 ft. rectory, both brick and timber, plain foundations. $150,000.

Wis., Madison—CHAPEL—St. Francis Episcopal Church, c/o N. C. Kimball, pastor, 1925 Madison St., purchased site and plans brick, rein.-con. and steel chapel, University Ave. $150,000. Engineer and architect not selected.

Wis., Madison — SCHOOL — Bd. Educ., T. W. Gustin, supt., 22 West Dayton St., plans 4 story, rein.-con., brick and steel addition to Lowell School, plain foundation. $150,000. Engineer and architect not selected.

Minn., Minneapolis — LAW SCHOOL — State Dept. Administration & Finance, St. Paul, having plans prepared by C. H. Johnston, 715 Capitol Bldg., St. Paul, 3 story and basement, rein.-con., brick and stone, here, for University of Minnesota, Bd. of Regents. $250,000.

Kan., Topeka — AUDITORIUM and LIBRARY — Defeated $550,000 bonds for auditorium, and $275,000 bonds for library. E. M. Covell, city clk. Noted Nov. 5.

Kan., Topeka—SCHOOLS—Voted $800,000 bnods, for schools. E. M. Covell, city clk. Noted Aug. 27.

Kan., Wichita — CHURCH — Hillside Christian Congregation having plans prepared by Schmidt, Boucher & Overend, 4th Natl. Bank Bldg., 2 story and basement, 79 x 104 ft., concrete, brick and stone, Hillside St. and English Ave. $150,000.

Mo., St. Joseph — SCHOOL — Christian Brothers Commercial College, 12th and Henry Sts., having plans prepared by M. Carrol, 614 Ridge Bldg., Kansas City, 3 story and basement, rein.-con., brick and Bedford stone school. $250,000.

Ark., Fayetteville—COLLEGE—University of Arkansas takes bids about Jan. 20, 3 story, rein.-con., brick and stone engineering and agricultural buildings, on campus, $650,000. Jamieson & Spearl, Arcade Bldg., St. Louis, Mo. and H. R. Burke, 307 Southern Trust Bldg., St. Louis, Mo., archts. Same architects making preliminary plans library, home economics, womens building and auditorium, and rein.-con. stadium, 60,000 seating capacity, on campus. Noted Aug. 27.

Okla., Oklahoma City—CHURCH—Wesley Methodist Episcopal Congregation, C. Heidbrink, chn., having preliminary plans prepared by Bailey & Alden, 1207 Colcord Bldg., 2 story and basement, concrete, brick and stone, 25th and Douglas Sts. $150,000.

Tex., Colorado—HIGH SCHOOL—Election soon $150,000 bonds, new high school, for Bd. Educ. Engineer and architect not selected.

Tex., Greenville — ADMINISTRATION — Burleson College, c/o H. L. Durham, pres., plans new administration building. $150,000. Engineer and architect not selected.

Calif., Berkeley—DORMITORY—Regents of University of California, plans fireproof dormitory buildings, campus. $750,000. Engineer and architect not selected.

Calif., Lankershim — HIGH SCHOOL — Bd. Educ., Los Angeles, having plans prepared by M. Hunt, Hibernian Bldg., Los Angeles, group of brick school buildings. $300,000 or more.

Calif., Los Angeles — CATHEDRAL — Roman Catholic Archbishop plans Cathedral of St. Vibiana, fireproof, Wilshire Blvd. To exceed $150,000. Engineer and architect not selected.

Calif., Los Angeles—SCHOOL—City had plans prepared by Train & Williams, Western Mutual Life Bldg., 2 story, fireproof, 17th and Jordan Sts. $150,000.

Calif., San Bernardino—SCHOOL—City of Santa Barbara plans Ramona Elementary School, brick, here. $150,000. D. J. Witmer, Bank of Italy Bldg., Los Angeles, archt.

Calif., Turlock — ADMINISTRATION — Turlock Union High School Dist., having preliminary plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 2 story, brick administration building. $150,000.

B. C., Victoria—CATHEDRAL—Anglican Church had plans prepared by J. C. M. Keith, Sagwood Bldg., 150 x 300 ft. cathedral, Quadro St. $1,000,000.

BIDS DESIRED

Me., Portland—PARISH HOUSE—Woodfords Congregational Parish, D. C. Cross, pastor, taking bids 4 story and basement, 104 x 114 ft., rein.-con. and brick, Woodford and Beacon Sts. $175,000. Miller & Mayo, Fidelity Bldg., archts.

Mass., Norwood — SCHOOL — St. Catherines Roman Catholic Parish, 558 Washington St., taking bids 2 story and basement, brick, Washington St. $150,000. McLaughlin & Burr, 88 Tremont St., Boston, archts. Noted Oct. 29.

Mass., Roxbury (Boston P. O.)—SCHOOL—Dec. 22, by Schoolhouse Dept., 3 story and basement, 58 x 137 ft., brick and stone addition to Lewis Dist. School, Paulding St. and Walnut Ave., here. $300,000. C. R. Greco, 11 Beacon St., Boston, archt.

Mass., Winchester—SCHOOL—Town, C. R. Main, chn. building com., taking bids 2 story and basement, brick, Appalachain St. and Highland Ave. $150,000. Derby & Robinson, 5 Joy St., Boston, archts. Noted Nov. 26.

Conn., Torrington — CHURCH — D. A. Guerriers, archt., 1029 Main St., Hartford,

Buildings—Education, Religious (Cont.)

taking bids 56 x 112 ft., brick and steel, Center St., here for St. Peters Church. $150,000.

N. Y., Long Beach—SCHOOL—Dec. 18, by Bd. Educ., 2 story, brick, steel and stone, plain foundation, Neptune Blvd. and Chester St. $175,000. H. L. Smith, 25 West 44th St., New York City, engr. and archt. Noted Sept. 10.

N. J., Totowa (mail Paterson)—DORMITORIES, etc.—Dec. 29, at office Division Architecture & Construction, 643 Broad St., Newark, about 20 buildings, incl. dormitories, recreation, administration, etc. at Training School for Feeble Minded Females, here. $1,000,000. R. G. Lewis, comr.

Pa., Johnstown—HIGH SCHOOL—Jan. 11, by School Bd., Junior High School, 3 and 4 story and basement, 116 x 404 ft., rein.-con. and brick, concrete pile foundation. Decker and Sheridan Aves. J. E. Adams, Nemo Bldg., archt. Noted Mar. 12.

O., Grandview (Columbus P. O.)—HIGH SCHOOL—Jan. 2, by Bd. Educ., S. R. Scholes, clk., 2 story and basement, 112 x 126 ft., Oxley Rd. and 1st Ave. $300,000. Noted Nov. 26.

O., Zanesville — CHURCH — St. Johns Evangelical Lutheran Church, W. L. Dowler, pastor, taking bids 1 story, 80 x 160 ft., concrete, brick and steel church. Corbusier, Lenski & Foster, B. F. Keith Bldg., Cleveland, archts.

Ind., Muncie — SCHOOL — Jan. 10, by President and University Officials, Eastern Indiana State Normal School, 2 story and basement, concrete or rein.-con. library and assembly building. $235,000.

Mich., Detroit—SCHOOL—Dec. 19, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Visger Ave. $200,000. McGrath, Dohmen & Page, 2231 Park Ave., archts.

Minn., Duluth — HIGH SCHOOL — Feb. 27, by C. Bronson, secy. Bd. Educ., 329 1st Ave. E., 3 story and basement, 64 x 232 ft., and 73 x 145 ft., rein.-con., brick and tile, concrete pile foundation, Woodland Ave. $460,000. C. W. Kelly, 505 Lonsdale Bldg., archt.

Neb., Lincoln — CHURCH — First Christian Congregation, R. E. Hunt, pastor, c/o E. G. Groves, archt., 222 Foster Bldg., Denver, Colo., taking bids 1 story and basement, 80 x 143 ft., brick and stone church, here. $250,000. Noted Nov. 26.

Mo., St. Louis—BIOLOGY—Dec. 22, by Jamieson & Spearl, archts., Arcade Bldg., 3 story, 54 x 214 ft. with 45 x 47 ft. wing, rein.-con., brick and stone, on campus, for Washington University, Skinker and Forsythe Blvds. $250,000. Noted July 30.

Okla., Tulsa—HIGH SCHOOL—Dec. 30, by C. D. Little, pres. Bd. Educ., Grover Cleveland Junior High School, 2 story and basement, 116 x 214 ft., rein.-con. and brick, plain foundation. Atlanta and Haskell Sts. $225,000. Cook & White, 409 Interstate Bldg., Kansas City, Mo., engrs. L. I. Shumway, Wright Bldg., archt.

BIDS RECEIVED

Mass., Belmont (Boston P. O.)—HIGH SCHOOL—Town, Bd. Selectmen, 2 story and basement, brick and stone, from Fuller Constr. Co., 31 Milk St., Boston, $185,618; heating and ventilating system, from R. B. Crocker, 107 Massachusetts Ave., Boston, $31,374. Noted Oct. 22.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., Dec. 2, general contract 2 story and part basement, 117 x 188 ft., brick, concrete and stone, Grand and Henrietta Sts., from J. J. Clarke Constr. Co., Arcade Bldg., $240,990; heating and ventilating, from T. J. Sheehan Plumbing Co., 2233 Olive St., $35,721.

Calif., San Francisco — SCHOOL — Bd. Pub. Wks., Henry Durant School, fireproof, Buchanan St. near O'Farrell St., general contract from F. L. Hansen, 251 Kearny St., for City and San Francisco Co. $289,668. Noted Nov. 19.

CONTRACTS AWARDED

Mass., Agawam — CHURCH — Flower Memorial Community Church, c/o W. Dibble archt., 21 Besse St., Springfield, 1 story and basement, 60 x 105 ft., brick and stone, to G. P. Sampson, 67 Thompson St., Springfield. Archts. est. $150,000. Noted Nov. 19.

Mass., Charlestown (Boston P. O.) — HIGH SCHOOL—Schoolhouse Dept., Boston, 2 story and basement, brick and stone addition, Bunker Hill Dist., here, to J. Bowen Co., 164 Dudley St., Roxbury. Archts. est. $150,000. Noted Oct. 29.

Mass., Springfield—SCHOOL—City, Public Buildings Dept., 2 story and basement, 60 x 135 ft., brick and stone, Rushville Ave., to S. W. Mellen, 293 Bridge St. Archts. est. $150,000.

Mass., Taunton — SCHOOL — City, City Hall, 2 story and basement, 75 x 125 ft., brick, steel and cast stone, High and Cohannet Sts., to L. M. Witherell & Sons Co., 29 Court St., $145,744. Noted Oct. 8.

N. Y., Buffalo—MUSEUM—Comr. Parks & Buildings, City Hall, for Natural Science Museum, rein.-con., steel and stone, Humbolt Park, to Felton Constr. Co., 1450 Michigan Ave., $617,000. Noted Sept. 3.

N. Y., Yonkers—CHURCH—St. Peters Roman Catholic Church, brick, steel and stone, plain foundation, Riverdale and Ludlow St., to J. J. McMahon, 56 Sagamore Rd. Archts. est. $200,000.

Pa., Phila.—SCHOOL—Bd. Educ., 19th and Chestnut Sts., general contract Senior High School, 4 story and basement, 159 x 168 ft., rein.-con. and brick, plain foundation, Media St. between 53rd and Peach Sts., to W. R. Dougherty 1608 Sansom St., $1,022,000; heating and plumbing, to S. Faith Co., 2427 Penna Ave., $95,996 and $46,996 respectively; and electrical work, to J. T. Casey, 207 South Front St., $43,785. Grand total $1,208,777. Noted Oct. 29.

Md., College Park—COLLEGE—Smith & May, archts., Calvert Bldg., Baltimore, 3 story and basement, 74 x 112 ft. chemistry building, and 1 story and basement, 53 x 130 ft. dining building, both brick, plain foundation, here, to Consolidated Eng. Co., 20 East Franklin St., Baltimore, for University of Maryland. Archts. est. $150,000. Noted Oct. 22.

La., Bastrop—HIGH SCHOOL—Bd. Educ. Morehouse Parish, 2 story, brick and concrete, to H. Cleveland, 1640 Templeman St., Shreveport. Archts. est. $150,000.

O., Cincinnati — SCHOOL — Bd. Educ., Denton Bldg., 3 story and basement, rein.-con. and brick, plain foundation, Elmore St., to Marcus Building Co., Reading Rd., $163,709.

O., Youngstown—SCHOOL—City, general contract Pleasant Grove School, to L. Androvichio, Youngstown, $212,100; heating and plumbing to Little Bros., 730 Oak Hill Ave., $36,850.

Ill., Aurora — HIGH SCHOOL — P. J. Muldoon, pastor, 1705 National Ave., Rockford, general contract 3 story and basement, 160 x 173 ft., rein.-con., brick and stone high school for catholic girls, to Wisconsin Eng. & Constr. Co., Green Bay, Wis. Archts. est. $250,000. Noted Oct. 29.

Ill., Chicago — HIGH SCHOOLS — Bd. Educ., 650 South Clark St., masonry and carpentry contract two 3 story, 600 x 600 ft., rein.-con., brick and slab, one West 111th and Wallace Sts., and other South May and West 81st Sts., to B-W Constr. Co., 720 Cass St., $1,798,980 and $1,795,930 respectively. Noted Oct. 8.

Minn., Bemidji — COLLEGE, etc. — See "Buildings—Industrial."

Federal Government Work

PROPOSED WORK

Texas — Structures — Supt. Lighthouses, New Orleans, La., plans constructing 6 pile structures, along Houston Channel, Galveston Bay, here.

Calif., San Rafael—Dredging—U. S. Engineer Office, Custom House, San Francisco, rejected bids Nov. 13, dredging in San Rafael Creek, here. Noted Dec. 3.

BIDS DESIRED

Ga., Atlanta—Sewer—Jan. 5, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., sewer line at U. S. Veterans Hospital, here.

Ill., Chicago — Plumbing — Jan. 4, by Treas. Dept. at office Supervising Archt., Wash., D. C., renewing plumbing, pipes, etc., at post office and courthouse, here.

Wis., Janesville—Post Office—Jan. 11, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here; adv. E. N.-R. Dec. 17.

Minn., Fort Snelling (br. St. Paul)—Hospital—Jan. 26, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., hospital buildings, quarters, roads, etc., for U. S. Veterans Hospital, here, also separate bids for plumbing, heating, etc.; adv. E. N.-R. Dec. 17.

Tex., Kelly Field (Ind. sta. San Antonio) —Hangar—Jan. 4, by Constructing Quartermaster, Quartermaster Dept., Fort Sam Houston, San Antonio, constructing 66 x 260 ft. steel hangar, here. $150,000. A. W. Parker, Fort Sam Houston, San Antonio, engr.

BIDS RECEIVED

Conn., New London—Post Office—Treas. Dept. at Office Supervising Archt., Wash., D. C., remodeling and extending post office, here, from Garber & Cissell, Inc., Bethlehem, Pa., (1) $17,700 (2) $2,800 and (3) $2,700. Noted Dec. 3.

Tex., Galveston—Dredging—U. S. Engineers Office, Nov. 27, dredging in Sabine Neches Waterway, from Atlantic Gulf & Pacific Co., Scanlan Bldg., Houston, $391,680. Noted Oct. 29.

Tex., Galveston—Dredging—U. S. Engineers Office, Nov. 27, dredging 3,013,000 cu.yd. channel between Port Aransas and Corpus Christi, from United Dredging Co., 323 Security Bldg., $237,123. Engrs. est. $250,000. Noted Nov. 5.

CONTRACTS AWARDED

Mass., Hingham—Pier—Spec. 5176—Bureau Yards & Docks, Navy Dept., at 1st Naval Dist., Navy Yard, Boston, repairs to dock at Naval Ammunition Depot, here, to W. A. Norton Co., 77 Summer St., Boston, (1) $9,564, etc. Noted Nov. 26.

N. Y., Sacket Harbor—Quarters—Office Constructing Quartermaster, Madison Barracks, two 4 set married officers quarters, to F. B. Hannan, Lawton, Okla., $71,960; stable, to J. W. Cowper Co., Fidelity Bldg., Buffalo, $19,990; and N. C. O. and bachelor officers quarters, to Suburban Constr. Co., Moorestown, N. J., $61,635. Noted Nov. 12.

D. C., Wash.—Boiler Plant—Spec. 5152—Bureau Yards & Docks, Navy Dept., Wash., D. C., boiler plant at Naval Hospital, to Concrete Oil Tank Co., Mills Bldgs., $24,669. Noted Dec. 3.

Va., Portsmouth—Creosoted Pine Piles, etc. — Supt. Lighthouses, Custom House, Baltimore, Md., creosoted pine piles and lumber for rebuilding, etc., at Light House Depot, here, to Atlantic Creosoting & Wood Preserving Co., Bank of Commerce Bldg., Norfolk, $17,193 (45 days).

Utah, Salt Lake City—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., mezzanine floor, etc., at post office, here, to H. W. Baum Co., Walker Bank Bldg., $5,140 (120 days). Noted Dec. 3.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

670—Econfina Power Co., Panama City, Fla.—Wants preliminary permit 30 ft. dam with power structures, to develop 1,500 hp. on Econfina Creek, Bay Co.

671—Utah Power & Light Co., Kearns Bldg., Salt Lake City, Utah—Wants license 225 hp. power project on Alpine Creek, Wasatch Natl. Forest, Utah Co.

672—Iron Mountain Mining Co., Superior, Montana—Wants license approximately 3 mi. transmission line, Mineral Co.

673—The Montana Power Co., 40 East Bway., Butte, Montana—Wants license about 93 mi. transmission line in Yellowstone, Big Horn and Rosebud Counties.

674—Mississippi Power Co., Gulfport, Miss.—Wants license transmission line in Jackson Co.

675—Utah Power & Light Co., Kearns Bldg., Salt Lake City, Utah—Wants license 240 hp. power project in Battle Creek, Utah Co.

676—R. K. Holland, 106 East Liberty St., Ann Arbor, Mich.—Wants preliminary permit power project in Fox River, La Salle Co., Illinois, near State of Illinois development (Project 287).

677—Southern Sierras Power Co., Riverside, Calif.—Wants license about 8 mi. transmission line, in Riverside Co.

Unclassified

PROPOSED WORK

Land Development—Dedham, Me.—Lucerne-in Maine Com. Assn., 56 Post Office Sq., Bangor, plans land development, here. $750,000. C. B. Breed, 6 Beacon St., Boston, Mass., archt.

Park—Brighton (Boston P. O.)—**Mass.**—City, Pub. Wks. Dept., Boston, plans enlarging Rogers Park, here. $25,000. J. A. Rourke, comr.

Dock and Bulkhead — East Lynn (Sta. Lynn), **Mass.** — Lynn Gas & Electric Co., Exchange St., Lynn, plans dock and bulkhead, here. $25,000. F. Millspaugh, Lynn, engr.

Swimming Pool—Worcester, Mass.—Worcester Polytechnic Institute, R. Earle, pres., plans memorial swimming pool. $25,000 or more. Engineer and architect not selected.

Unclassified (Continued)

Tower—Pawtucket, R. I.—St. Cecelias Roman Catholic Parish, W. A. Hickey, pastor, having plans prepared 11 x 18 ft., brick tower, 165 ft. high. Private plans.

Golf Course — Hartford, Conn. — Park Comn., City Hall, plans golf course, Keeney Park. $30,000. Address City Engineer.

Elimination Grade Crossing — Buffalo, N. Y.—Delaware, Lackawanna & Western R.R., 90 West St., New York City, plans eliminating grade crossing at Colvin St., here. To exceed $90,000 G. J. Ray, Hoboken, N. J., ch. engr.

Loading Dock—Buffalo, N. Y.—Chevrolet Motor Co., 1001 East Delevan Ave., made plans concrete loading dock. $150,000.

Resort Development — Hendersonville, N. C.—L. Combs, Sarasota, Fla., purchased High Hampton estate embracing 2,200 acres, and plans development, incl. villa sites, drives, hotel, hunting lodge, etc., in Jackson Co., 54 mi. from here. $1,000,000.

Lighting System—Monroe, N. C.—See "Waterworks."

Lighting System—Lynn Haven, Fla.—Voted $35,000 bonds, lighting system and miscellaneous construction.

Telephone Lines, etc. — Chattanooga, Tenn.—Cumberland Telegraph & Telephone Co., 105 East 7th St., L. L. Billings, dist. mgr., plans to expend $300,000 during 1926 for improvements and extensions, etc.

Stadium—Chattanooga, Tenn.—City plans to raise funds to exceed $25,000 by popular subscription for concrete stadium. Engineer not selected.

Street Cars — Nashville, Tenn. — See "Buildings—Industrial."

Transmission Line—Nashville, Tenn.—See "Buildings—Industrial."

Airplane Hangar—Cleveland, O.—Ford Motor Co., Highland Park, Mich., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 1 story, 124 x 358 ft., brick and steel airplane hangar, plain foundation, Riverside Dr., here.

Trout Hatchery—Delta, Wis.—C. F. Wolf, Birchwood, plans rein.-con. and steel trout hatchery on 1,480 acre tract, incl. dam and equipment, etc. Engineer not selected.

Culverts—Eldorado, Kan.—See "Bridges."

Swimming Pool — Topeka, Kan. — See "Buildings—Commercial."

Transmission Lines—Spencer, Neb.—See "Buildings—Industrial."

Stadium — Fayetteville, Ark. — See "Buildings—Educational, Religious."

Gas Pipe Line — San Antonio, Tex. — Houston Gulf Gas Co. (Seagraves-Moody interests), c/o M. Eskridge, Brady Bldg., making surveys 100 mi. gas pipe line from main line south to San Antonio. $1,500,000. Plans applying for city franchise to supply portion San Antonio with natural gas. Private plans.

Electric Transmission Line—Oklahoma—United Power Co., Pond Creek, plans 9 mi. electric transmission line from Medford to Pond Creek. $25,000. R. K. Johnston, Pond Creek, engr.

Swimming Pool—Glendale, Calif.—See "Buildings—Commercial."

Power Lines—Bakersfield, Calif.—See "Buildings—Industrial."

Ornamental Lighting System — Los Angeles, Calif. — Making plans concrete standards on portions of La Jolla Ave. and Donehy Dr., and steel standards on portions of Glendale Blvd. $25,000 or more.

Pier and Pier Shed—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., making preliminary plans concrete jacketed wooden pile pier and rein.-con. shed, 600 ft. long, 375 ft. wide, Channel St. $1,000,000. F. G. White, c/o owner, ch. engr.

Playgrounds, etc.—San Leandro, Calif.—Voted $25,000 bonds, fire alarm system; also defeated $125,000 bonds, enlarging parks and playgrounds. Noted Oct. 8.

Pier—Venice, Calif.—Church & Prior Co. plans 710 x 1,200 ft. amusement pier, entire project covering 20 acres, foot of Leona Blvd. Received permit for first 200 ft. piling. $1,500,000. Private plans.

BIDS DESIRED

Heating and Ventilating—Jamaica Plain (Boston P. O.), Mass.—Home for Aged Women, South Huntington Ave., taking bids heating and ventilating system in Home for Aged Women. To exceed $25,000. Richardson & Gay, 220 Devonshire St., Boston, engrs.

Turbo Generator Test Base—Lynn, Mass.—See "Contracts Awarded."

Stadium—Johnstown, Pa.—Jan. 12, by Supt. Parks & Public Property, City Hall, structural steel stadium. J. E. Greiner & Co., Baltimore, Md., consult. engr.; adv. E. N.-R. Dec. 17. Noted Nov. 5.

Airplane Hangar—Dearborn, Mich.—A. Kahn, archt., 1000 Marquette Bldg., Detroit, taking bids 1 story, 124 x 358 ft., brick and steel airplane hangar, plain foundation, Oakwood Blvd., here, for Ford Motor Co., Highland Park.

Electric Transmission Lines—Illinois—See "Contracts Awarded."

Power Line—Illinois—See "Contracts Awarded."

Docks—Chicago, Ill.—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Street Lighting System—Green Bay, Wis.—Dec. 21, by W. L. Kerr, city clk., c.i. brackets and bases for ornamental street lighting system on Bway., Walnut and Dousman Sts. $25,000.

Transmission Line — Oklahoma — See "Contracts Awarded."

Coal Handling Plants — Melbourne, Australia—Feb. 10, by Victorian Government Rys., 2 complete sets mechanical coal handling plants.

BIDS RECEIVED

Platform Extensions—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, Dec. 14, extending subway station platforms of Rapid Transit Railroads, here, from C. Meads & Co., 217 West 14th St., New York City, (unofficial) $365,000. Noted Dec. 10.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney chn., 49 Lafayette St., Dec. 8, subway Sect. 3, Route 102, extending under and along 8th Ave. from West 28th to West 37th Sts., from Rosoff Subway Constr. Co., 133 Madison Ave., (unofficial) $5,888,000. Noted Dec. 3.

Ferry Boats—Oakland, Calif.—Key System Transit Co., 22nd and Grove Sts., two 276 ft., steel, turbo-electrically driven ferry boats, from Moore Drydock Co., foot of Adeline St., $1,659,703.

CONTRACTS AWARDED

Turbo Generator Test Base—Lynn, Mass.—General Electric Co., Western Ave., will build 40 x 120 ft., rein.-con. and wood pile turbo generator test base, by day labor. J. G. Trudinger, c/o owner, engr.

Foundations, etc. — Phila., Pa. — Comrs. Fairmont Park, City Hall, sandstone and granite foundations, etc., former approach to Museum of Art, Fairmont Park, Schedule A, incl. excavation, concrete footing and foundations, sewers, steps, check walls, etc. and Schedule B, incl. cascades, basins, wiers, retaining walls, etc., to G. A. Fuller Co., Morris Bldg., $558,000. Noted Dec. 3.

Heating and Plumbing—Youngstown, O.—See "Buildings—Educational, Religious."

Switching Equipment, etc.—Detroit, Mich.—Pub. Lighting Comn., 174 East Atwater St., switching equipment for new Morrell St. Power Station, and 3 switching stations, etc., to Westinghouse Electric & Mfg. Co., Chamber of Commerce Bldg., Pittsburgh, Pa., $785,500. Noted Oct. 15.

Electric Transmission Lines—Illinois—Pub. Serv. Co. of Northern Illinois, 72 West Adams St., Chicago, will build 65 mi. 33,000 volt Class A transmission line from Joliet to Streator and 20 mi. transmission line from Joliet to Lemont, by day labor. Private plans.

Power Line—Illinois—Illinois Power & Light Co., 414 Missouri Ave., East St. Louis, will build 10 mi. power line from Gillespie to Carlinville, by day labor. $50,000. Private plans.

Foundation — Milwaukee, Wis. — Plastic Products Co., Reservoir Ave., plain foundation for 1 and 2 story, 76 x 200 ft., brick and timber factory, Port Washington Rd., to L. J. Stanage, 3526 Cedar St. Noted Dec. 10 under "Buildings—Industrial."

Dock—Duluth, Minn.—Inland Coal & Dock Co., 50th Ave. W. and Leveur St., 125 x 375 ft. coal dock, rein.-con. and timber on pile and rein.-con. foundation, on St. Louis Bay, to R. C. Buck, Inc., U. S. Natl. Bldg., Superior, Wis. Engrs. est. $275,000.

Foundation, etc. — Minneapolis, Minn.—Tenth Street Holding Co., 413 Natl. Bldg., foundation and excavation for 3 story and basement, rein.-con. and brick apartment hotel, 5th Ave. and 10th St., to V. Carlson & Sons, 534 Securities Bldg. Noted Oct. 22 under "Buildings—Commercial."

Stadium — Columbia, Mo. — Curators of University of Columbia, rein.-con. athletic field stadium, 25,000 seating capacity, to H. H. Carruthers, Inc., 3222 Cleveland St., Kansas City, $266,000. Noted Dec. 10.

Oil Pipe Line—Arkansas—Crusader Pipe Line Co., Schuler Bldg., El Dorado, 147 mi. 10 in. pipe line with Heine boilers and Wilson Snyder pumps, etc., from Smackover fields in Arkansas to Vidalia, La., pipe, auxiliary equipment and sundry supplies, to Continental Supply Co., 1501 Locust Blvd., St. Louis, Mo.; laying pipe line, etc., to J. J. Connor & Sons Constr. Co., 814 Security Bldg., Kansas City, Mo. Engrs. est. $2,500,000. This corrects report in Dec. 10 issue.

Gas Distributing System—Beeville, Tex.—City, natural gas distributing system, to N. A. Saigh Co., 510-12 Builders Exch. Bldg., San Antonio, $70,000.

Ornamental Lighting System — Dallas, Tex. — City, M. G. James, secy., ornamental lighting system on Young St. from Harwood to Houston Sts., to Mid-West Eng. Co., 4228 Main St., $40,593.

Ball Park, etc.—Ft. Worth, Tex.—Ft. Worth Baseball Club, c/o W. K. Stripling, pres., baseball park, incl. grand stand, 40 ft. high, 7,500 seating capacity, to Southwell & Abbott, 605 East 2nd St., $87,000. Archts. est. $125,000-$150,000. Noted Nov. 12.

Transmission Line — Oklahoma — Pub. Serv. Co. of Oklahoma, 301 World Bldg., Tulsa, will build 55 mi. 66,000 volt transmission line from Nowata to Tulsa, by own forces. $200,000. All material contracts awarded.

Storage Tank—Oakland, Calif.—Richfield Oil Corp., Bartlett Bldg., Los Angeles, steel oil storage tank at Parr Terminal, to Western Pipe & Steel Co., 444 Market St., San Francisco, $57,630.

Swimming Pool—Pebble Beach, Calif.—See "Buildings—Commercial."

Materials

PROPOSED WORK

Road Material—Trenton, N. J.—Mercer Co. soon takes bids 50,000 gal. road material. $10,000. H. F. Harris, Court House, Trenton, engr.

BIDS DESIRED

Paving Blocks—Long Island City, N. Y.—Dec. 24, by M. J. Shugrue, acting pres. Queens Boro, Queens Subway Bldg., 150,000 asphalt paving blocks for Dept. Highways.

Sand Grit, etc.—Long Island City, N. Y.—Dec. 24, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 5,000 cu.yd. sand grit, 30,000 tons steam ashes, 350,000 gal. asphaltic macadam binder, 600,000 gal. road oil for cold application, 50,000 each asphalt and wood paving blocks, 25,000 vitr. paving blocks, 2,000 bags Portland cement, and 864 lin.ft. 12 in. c.i. pipe.

Steel—New York, N. Y.—Dec. 23, by Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., structural steel, for portion of Rapid Transit R.R.

BIDS RECEIVED

Cement, etc.—Brooklyn, N. Y.—J. A. Guider, pres. Brooklyn Boro, Boro Hall, Dec. 9, 5,000 bbl. Portland cement, from M. M. Canda, 184 3rd St., $13,650; 300 tons paving pitch, from Barrett Co., 40 Rector St., New York City, $7,951; 2,000 cu.yd. paving and concrete sand, from T. E. McCormick, 810 Lincoln Rd., $2,250, and 2,000 cu.yd. paving and concrete sand, from Hygrade Builders Supply, 6th St. and 2nd Ave., $2,180. Noted Dec. 3.

Frames and Covers—Boston, Mass.—City, Supply Dept., 260,000 lb. frames and covers for Pub. Wks. Dept., from E. L. LeBaron Fdry. Co., Brockton, $0.026 per lb.

CONTRACTS AWARDED

Crushed Stone — Hartford, Conn. — Bd. Contr. & Supply, Municipal Bldg., about 51,000 tons crushed rock required for 2 year period beginning Jan. 1, 1926, to E. Balf Co., State St., $93,320. Noted Nov. 19.

CONSTRUCTION NEWS

Engineering News-Record, Dec. 24, 1925

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., New Brunswick—Plans improving water supply, incl. dam, pipes, etc., at Lawrence Brook, here. $500,000. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr. This corrects report in Dec. 17 issue.

Pa., Turtle Creek (ind. br. East Pittsburgh)—See "Unclassified."

Md., Baltimore — City and Baltimore Co. (Towson) making plans 23 to 28 billion gal. reservoir, 120 ft. dam, 6½ mi. roads, concrete bridge, etc., at Prettyboy Reservoir, near here. $2,500,000-$3,000,000. V. B. Siems, ch. Bureau Water Supply, City Hall, engr.

N. C., Asheville—Plans 24 in. water line to Bee Tree Water Shed, also 11 m.g. reservoir on White Fawn Gap. $900,000. F. L. Conder, Asheville, comr. Pub. Wks.

N. C., Fayetteville—Made surveys water and sewer improvements. $60,000. T. D. Rose, Fayetteville, engr.

N. C., Four Oaks—Voted $75,000 bonds, new water and sewer mains in various streets. Noted Nov. 10.

N. C., Winston-Salem—Making surveys of Pink Beds watershed and also North Fork for extensive water improvements. J. L. Ludlow, Winston-Salem, engr.

Ga., Savannah—Foundation Co., Chatham Artillery Bldg., F. A. Voneberstein, pres., plans waterworks. $15,000.

Fla., Kissimmee—Election Jan. 2 (extended date), $128,000 bonds, mains in various streets. Noted Nov. 19.

Fla., Marianna—Voted $100,000 bonds, waterworks and paving various streets.

Fla., Wildwood — Voted $150,000 bonds, waterworks and paving various streets.

Miss., Long Beach—Takes bids in January modern waterworks. $75,000. Swanson & McGraw, Balter Bldg., New Orleans, La., consult. engrs. Noted Sept. 3.

La., Slidell—See "Sewers."

La., White Castle—Voted $28,000 bonds, waterworks and distribution system.

O., Cincinnati—Hamilton Co. plans 170 ft. 6 in. and 5,650 ft. 10 in. c.i. mains, etc., in Water Supply Line 31, Main Sanitary Dist. 4. $20,431. L. C. Boyott, Court House, engr.

Ill., Decatur—Soon takes bids 6 new filter beds. $150,000. M. P. Obrien, Decatur, city engr. Noted Dec. 10.

Wis., Milwaukee—City, c/o J. Schwada, city engr., making preliminary plans 1 story, 62 x 176 ft. with two 40 x 90 ft. wing boiler room, chlorinating room, etc., addition to North Point Pumping Station, Terrace Ave. $400,000. Cahill & Douglas, 217 West Water St., engrs. Juddell & Bogner, 445 Milwaukee St., archts.

Mo., St. Louis—Making plans rein.-con., etc., cut and rubblestone, 20 unit, 80 m.g.d. filtration plant, $1,225,000; two 30 m.g.d. pumps, $412,500; two 40 m.g.d. and one 60 m.g.d. pumps, $237,500; water tube drum type boilers, ash handling equipment, etc., $525,000; and additional hurdle dikes at Howard's Bend on Missouri River, $200,000. E. E. Wall, c/o Dept. Pub. Utilities, dir.

Tex., Celeste—Making preliminary surveys complete waterworks and sewerage systems. $40,000. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs.

Tex., Ft. Worth—City, c/o O. E. Carr, mgr., soon takes bids about 9 mi. 48 in. c.i. or rein.-con. mains from Lake Worth to here. D. L. Lewis, city engr.

Tex., Ft. Worth—City, c/o O. E. Carr, mgr., taking bids 6,000 tons c.i. pipe, 100 tons c.i. fittings and 400 fire hydrants. D. L. Lewis, Ft. Worth, engr.

Tex., San Antonio—Making preliminary plans large main from Mission Pumping Plant to southeastern part of city, $50,000, and replacing mains where needed throughout portions of city, purchasing pipe, etc., $60,000. I. Ewig, city engr.

Tex., Tyler — Making surveys filtration plant addition. $25,000. Jno. B. Hawley, Cotton Exch. Bldg., Ft. Worth, engr.

Okla., Barnsdall—Defeated $40,000 bonds new filter plant and extending mains in various streets. Holway Eng. Co., Wright Bldg., Tulsa, engrs. Noted Aug. 6.

Calif., Ontario—Made plans 10 m.g. concrete lined reservoir, 2 wells, 600 and 700 ft. deep, 26 ft. diam., 12,000 lin.ft. 10- to 14-in. c.i. mains, 2 pumping plants, etc. To exceed $125,000. O. S. Roen, city serv. mgr. Noted Dec. 10.

Calif., Pasadena — City made plans Calaveras reservoir, 10 m.g., in Altadena.

Calif., Santa Cruz — Plans to purchase 5,200 lin.ft. 8 in. c.i. pipe and fittings, bell and spigot joints. J. K. James, city engr.

Calif., Williams—Plans 100,000 gal. steel tank on approximately 75 ft. tower.

Que., St. Lamberts — City Council soon takes bids filtration plant. $124,950.

Ont., Barton—Barton Twp. Council election in January, $325,000 bonds, waterworks and elevated tank. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. C., Greensboro—Jan. 5, by City Council, 500,000 gal. steel tank and tower, 146 ft. high, etc., at filtration plant. P. C. Painter, city mgr.

Fla., Daytona — Yourlando Land & Development Co., taking bids heavy gasoline duty pump to operate deep artesian well.

Fla., Lake City—Jan. 4, by City Comn., 1,000 to 2,000 g.p.m. deep well pump. J. B. Hobbs, city mgr.

O., East Cleveland (Cleveland P. O.) — Dec. 28, by City, c.i. mains, etc., in Glynn Rd. between Ravine Dr. and Deanwood St. To exceed $25,000. M. Garnett, City Hall, engr.

Wis., Wauwatosa—Jan. 4, by Bd. Pub. Wks., A. V. Brigham, secy., 5,045 ft. 6-12 in. c.i. mains in Lefeber Ave., Elm Lawn, 63rd and Wright Sts. $15,000. J. E. Lowther, City Hall, engr. Noted Dec. 10.

Okla., Minco — Taking bids complete waterworks, well and supply line. $60,000. Gantt-Baker Co., 1116-18 Main St., Oklahoma City, engrs.

BIDS RECEIVED

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 170 tons 12 in. c.i. pipe, from U. S. Cast Iron Pipe & Fdry. Co., Am. Tr. Bldg., and Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $47.60 per ton; 233 tons special castings, from G. F. Fritz Fdry. & Mchy. Co., 2018 South 3rd St., $77.50 per ton; 400 fire hydrants, from Amer. Fdry. & Mfg. Co., 11th and Herbert Sts. $43.50 each; also tapping and hub valves, etc., from Chapman Valves Mfg. Co., Indian Orchard, Mass., $15,740.

CONTRACTS AWARDED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., 48 in. steel pipe line from Milburn Pumping Station to 72 in. line at Baldwin, to Beaver Eng. & Contg. Co., 57 Chamber St., $47,282. Noted Dec. 17.

Va., Staunton—W. F. Day, city mgr., North River Extension, Contr. 5 of Staunton Waterworks, to Pace Constr. Co., Roanoke. Noted Dec. 10.

Miss., Biloxi—See "Streets and Roads."

O., Cleveland—Concrete substructure for 61 x 113 ft. pump house, 1,125 ft. suction tunnel, 10 ft. diam. and concrete screen wall, 35 ft. diam., to Amer. Constr. Co., Marion Bldg., Cleveland, $309,160. Noted Dec. 17.

Wis., Eau Claire—O. E. Olen, city clk., plans to purchase in January, c.i. mains and lay same by own forces in spring. $15,000.

Okla., Tuttle—New waterworks, to Gantt-Baker Co., 1116 West Main St., Oklahoma City, $33,876. Noted Sept. 24.

Calif., Newport Beach—For 3 m.g. rein.-con. reservoir, to Bowman & Preble, Santa Ana, $32,333.

Sewers

PROPOSED WORK

Mass., Malden (br. Boston)—Voted $300,000 bonds drainage work. Engineer not selected.

Conn., Hartford—Plans 1,000 ft. culvert to eliminate odors of open drainage on property House Good Shepherd, Sisson Ave. $35,000. R. N. Clark, city engr.

N. C., Durham—Soon takes bids 25 mi. 8- to 12-in. sewers in various streets. H. W. Kueffner, Durham, engr.

N. C., Fayetteville—See "Waterworks."

N. C., Four Oaks—See "Waterworks."

N. C., Raleigh—City Comrs. authorized sale $200,000 bonds, new outfall and extending sewerage system. C. C. Page, comr. Pub. Wks.

Fla., Kissimmee — Election Jan. 2 (extended date), $267,000 bonds sanitary and $128,000 bonds, storm sewers in various streets. Noted Nov. 19.

La., Slidell—Voted $175,000 bonds, sewerage and waterworks systems. A. D. Canuletta, mayor. Noted Dec. 3.

O., Canton — Bd. Control takes bids in spring, sanitary sewers in 4th St. S. E., Downing Court N. E., and 20th St. N. E. $60,000. W. E. Sarver, city engr.

O., Washington C. H.—Plans sewerage system and disposal plant. Engineer not selected.

Ill., Hinsdale — Probably takes bids in spring 35,000 ft. 18- to 48-in. sewers, etc., in various streets. Randolph-Perkins Co., 1210 1st Natl. Bank Bldg., Chicago, engrs.

Tex., Beaumont — Voted $200,000 bonds sewer extension and improvements. R. C. Black, city engr. Noted Nov. 19.

Tex., Brady — Making plans sewerage system. $100,000. E. A. Burrows, Brady, engr. Nagle, Witt & Rollins Co., c/o Santa Fe Bldg., Dallas, associated engrs. Noted Dec. 3.

Tex., Celeste—See "Waetrworks."

Tex., Ennis—See "Streets and Roads."

Tex., Lampasas — Making plans sewers in various streets. $35,000-$45,000. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Tex., Nacogdoches—J. Thackwell, engr., Lufkin, soon takes bids sewerage system, incl. Orin Hill, Shawnee St., and Northmound addition to teachers college, for City. $25,000.

Tex., San Angelo — Making plans activated sludge type sewage disposal plant. $225,000. V. G. Koch, city engr.

Okla., Chickasha—Election Jan. 15, $40,000 bonds, 9,500 ft. 48 in. segmental block sewers in business section. R. O. Bradley, Chickasha, engr.

Calif., Fullerton—Made plans La Habra Outfall Sewer, 3,837 lin.ft. 18 in. vitr. or 3,837 lin.ft. 18 in. concrete pipe, 2 mi. 16 in. rein.-con. pressure pipe line, pumps, valves, etc.

Calif., Long Beach—Made plans sewers in Storm Drain Dist. 8, 1.46 mi. of tunnel outfall, 100,347 ft. 10- to 63-in. pre-cast concrete pipe, etc. $800,000. R. D. Van Alstine, city engr. H. Paterson, City Hall, sanitary engr.

Calif., Los Angeles—Making plans rein.-con. storm drains and cement pipe drains in portions of Melrose, Citrus, Sycamore Aves., etc. To exceed $25,000. J. C. Shaw, City Hall, engr.

BIDS DESIRED

N. Y., New York—Dec. 29, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., sewers in West 251st St.; Astor and Radcliff Aves., Waring and Laconia Aves., Wickham, Hobart, Provost, Astor, Waring, and Napier Aves.

Fla., Fort Pierce — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Fla., Miami—Dec. 28, by City Comn., at office H. E. Ross, city clk., sewers and lateral sewer connections, in Sewer Dists. 155 to 158 and 160 to 164 (inclusive), and in Sewer Lateral Dists. 4 to 9 (inclusive); adv. E. N.-R. Dec. 24.

Ky., Ft. Thomas—Jan. 7, at office R. R. Pyne, city engr., City bldg., 53,000 ft. 6- to 15-in. sewers, etc. Whitman, Requardt & Smith, consult. engrs.; adv. E. N.-R. Dec. 24.

O., Akron — Jan. 28, at office W. F. Peters, dir. Pub. Serv., Municipal Bldg., sewage treatment plant, etc.; adv. E. N.-R. Dec. 24.

Wis., Beaver Dam — Jan. 4, by W. A. Gergen, city clk., extending sewerage system in 9 streets, 12,714 ft. 8- to 15-in. vitr. pipe, 3,096 ft. tunnel work, 20- to 50-ft. deep, 27 manholes, etc. To exceed $25,000. E. B. Parsons, Jefferson, engr.

Wis., Milwaukee—Dec. 28, at office Dept. Pub. Wks., R. E. Stoelting, comr., storm sewer in 3 sections in 26th St. and 26th St. extended from North Menomonee Canal to point north of Cherry St., etc. L. M. Kotecki, comptroller.

Wis., Milwaukee — Dec. 30, by J. H. Fowles, secy. Metropolitan Sewerage Comn.,

Sewers (Continued)

508 Market St., two 5,000 g.p.m. motor driven, float controlled centrifugal pumps, for Mud Creek Law Level Sewage booster station.

Calif., Glendale — Dec. 31, by City Trustees, 68,637 lin.ft. 8 and 10 in. vitr. pipe, 126 lin.ft. 8 and 10 in. vitr. pipe encased in concrete, c.i. water pipe, wyes, etc., in Lateral Sewer Dist. 2 (North Central Section). J. F. Johannsen, city engr. Noted Dec. 17.

Calif., Victorville—Directors Victorville Sanitary Dist., taking bids 15,000 lin.ft. 8- to 14-in. concrete sewer, etc., in various streets. To exceed $25,000.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Dec. 17, sewer, etc. in Mary St. from Peace Bros., Inc., 57 Lawrence St., Flushing, $1,929; and in 135th St. from Gifford Constr. Co., Fulton St., Jamaica, $8,923. Noted Dec. 10.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Dec. 18, sewer in Thayer St. and under sidewalk at East 57th St. and 1st Ave., from J. V. Timoney Constr. Co., 220 East 201st St., $16,408 and $1,417 respectively. Noted Dec. 17.

CONTRACTS AWARDED

Pa., Millvale — Boro Council sanitary trunk sewer in Main St., to M. O. Herron & Co., Millvale, $48,477.

Md., Baltimore—Bd. Awards, 25,100 lin. ft. 5- to 15-in. vitr. sewer in Dist. G-13. Contr. 229, to J. J. Bresnan, Woodland Ave., Baltimore, $79,236. Noted Dec. 3.

Fla., Miami—Constructing 6,400 ft. 10- to 36-in. vitr. clay sewers, etc., in Bayshore Dr., Dist. S. R. 128-A, to J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., $17,648. Noted Dec. 10.

Miss., Biloxi—See "Streets and Roads."

O., Akron—W. F. Peters, dir. Pub. Serv., Hawkins Ave. Trunk 2, 3,800 ft. 36 in. vitr. clay pipe, to McAlonan Bros., 506 Woodland Ave., $153,550, engrs. est. $136,000; Hawkins Ave. Trunk 3, 5,000 ft. 30 in. vitr. clay pipe, to F. George, 1657 Mahoning Ave., Youngstown, $104,324, engrs. est. $138,000. Noted Dec. 3.

Kan., St. Marys—Sanitary sewerage system and sewage ejector station, Imhoff tank, sludge bed, etc., to Reed & Wheelock, Clay Center. Engrs. est. $50,000.

Calif., Los Angeles — A. S. Soule, secy. Los Angeles Co. Sanitation Dist. 1, Huntington Park Trunk Sewer, 18,803 ft. 12- to 24-in. vitr. pipe, etc., to J. Chutuk, Wilcox Bldg., $71,496.

Calif., Oakland — To Fredrickson & Watson, 354 Hobart St., sewers in portions of 94th Ave., etc. (Elmhurst Storm Sewer), 2,976 ft. 5 x 10 ft. concrete culvert $20.90 per ft. 2,790 ft. 8 in. vitr. pipe $1.25, etc., total $69,210.

Calif., Pomona — Constructing activated sludge sewage disposal plant, to Oberg Bros., 3470 Hollenbeck Ave., Los Angeles, $94,357.

Waste Disposal

PROPOSED WORK

Okla., Enid—City takes bids about Mar. 1, 20 ton garbage incinerator. $25,000. F. C. Magruder, City Hall, engr. Noted Sept. 24.

Bridges

PROPOSED WORK

W. Va., Morgantown — Monongalia Co. takes bids in January, 600 ft. steel and concrete bridge, 41 ft. over Deckers Creek Ravine. $110,000. A. J. Baritell, co. engr.

Fla., Kissimmee—Election Jan. 2 (extended date), $30,000 bonds, concrete bridge on Neptune Rd. Noted Nov. 19.

Wis., Racine—H. A. Nelson, comr. Pub. Wks., making plans 90 ft. steel bascule bridge, 60 ft., on Main St. $284,000. Strauss Bascule Bridge Co., 225 North Michigan Blvd., Chicago, Ill., engrs. Noted Nov. 19.

Wis., Sheboygan — See "Streets and Roads."

Kan., Columbus—Cherokee Co. making preliminary plans Brush Creek Bridge, 150 ft. rainbow arch span, with 20 ft. roadway, on Federal Aid Project 255-B, also 20 ft. slab bridge on same road over Long Branch Creek, 20 ft. H. W. Tyrell, co. engr. Kansas Eng. Co., 601 Kansas Ave., Topeka, engrs.

Tex., Carthage—See "Streets and Roads."

Tex., Clarksville — See "Streets and Roads"

Tex., Crockett—See "Streets and Roads."

Tex., Eastland—See "Streets and Roads."

Tex., Henderson — See "Streets and Roads."

Tex., La Grange — See "Streets and Roads."

Tex., Seymour—See "Streets and Roads."

Tex., Waxahachie — See "Streets and Roads."

Okla., Chickasha—Election Jan. 15, $25,000 bonds 3 span 90 ft. steel I-beam bridge on concrete piers over Line Creek. R. O. Bradley, Chickasha, engr.

BIDS DESIRED

Mich., Dearborn — Jan. 4, by M. A. Stevens, clk. Dearborn Twp., 70 ft. concrete T-beam bridge, 24 ft. over River Rouge, at Brady St. To exceed $25,000. R. H. Erley, Dearborn, engr.

Mich., Wyandotte — Dec. 29, by E. C. Bryan, clk., reni.-con. I-beam bridge over Ecorse Creek, on Emmons Blvd. $25,000. M. L. Brown & Son, 407 Capitol Theatre Bldg., Detroit, engr.

Wis., Milwaukee—Dec. 30, by Dept. Pub. Wks., R. E. Stoelting, comr., new pile and concrete bridge abutment and timber protection pier at Cherry St. $25,000. M. C. Cutler, City Hall, engr. Noted Dec. 17.

Kan., McPherson — See "Streets and Roads."

Kan., Ottawa—Jan. 9, by Clerk Franklin Co., Lane Bridge, one 136 ft. and two 68 ft. spans, 20 ft. wide, on Federal Aid Project 304-B, 316 cu.yd. dry and 28 cu.yd. rock excav., 30,248 lb. reinforcing, 285,185 lb. structural steel, 4,170 lb. steel and 1,120 lb. iron castings, etc. E. C. L. Wagner, 609 Kemper Bldg., Kansas City, Mo., consult. engr. E. F. Loveless, Court House, co. engr.

Texas and Oklahoma—Jan. 18, by E. P. Walsh, aud. Wichita Co., Wichita Falls, Tex., and J. M. Page, highway engr., Capitol Bldg., Oklahoma City, Okla., rein.-con. bridge over Red River, between Burkburnett, Tex., and Randlett, Okla., Texas-Oklahoma Federal Aid Project 491; adv. E. N.-R. Dec. 24.

Tex., Boston—See "Streets and Roads."

Tex., San Antonio—Dec. 28, by I. Ewig, city engr., 1 span, 85 ft. rein.-con. and steel bridge, 55 ft. across San Antonio River, on 4th St., for City. $40,000.

Colorado—See "Streets and Roads."

Arizona — Jan. 18, by W. C. Lefebvre, highway engr., Phoenix, Gillespie Dam Highway Bridge, rein.-con. and steel, on Federal Aid Project 64-B, Schedule B; adv. E. N.-R. Dec. 24.

BIDS RECEIVED

Delaware — State Hy. Dept., Dover, bridge over Broadkill Creek, Contr. 53A, from Kaufman Constr. Co., Phila., Pa., $28,022. Noted Dec. 3 under "Streets and Roads."

North Carolina—State Hy. Dept., Raleigh, Dec. 8, rein.-con. bridges, etc., on Project 755, Stokes Co., from J. M. Gregory & Co., Spartanburg, S. C., $81,363; on Project 6610, Richmond Co., and Project 348 Cumberland Co., from J. S. Bowers, Whiteville, $32,109 and $28,061 respectively; on Project 605, Alexander Co., from Kiker & Yount, Reidsville, $31,835. Noted Nov. 26.

Kan., Stockton—Rooks Co., six 40 ft. deck girder and one 140 ft. steel span bridge, on Federal Aid Project 259-B, from Missouri Valley Bridge & Iron Co., Pennsylvania Ave., Leavenworth, $39,355.

Missouri—State Hy. Dept., Jefferson City, Dec. 11, from Troy Constr. Co., Troy, three 20 ft. rein.-con. slab spans, etc., over Whitcomb Branch, Lincoln Co. $4,421, from Kelly & Underwood, Granby, two 8 ft. rein.-con. slab spans, etc., over creek, Clark Co. $1,331, three 12 ft. rein.-con. slab spans, etc., over Dry Angloize Creek, Laclede Co. $2,647; from Humphreys & Stebbins, Fredericktown, one 12 ft. rein.-con. slab span, etc., over drainage ditch, Stoddard Co. $826, one 40 ft. rein.-con. deck girder, two 23 ft. and two 20 ft. rein.-con. slab spans, etc., over Missouri Pacific R.R. tracks $10,986, and two 40 ft. rein.-con. deck girder spans, etc., over Reed Creek $5,847, both in Iron Co.; from F. Kersting Co., Jefferson City, two 10 ft. rein.-con. slab spans, etc., over McVey Branch, $3,333, two 10 ft. rein.-con. slab spans, etc., over Barnett Branch, $2,415, both in Laclede Co., one 45 ft. rein.-con. deck girder span, etc., over Holt Creek, Dent Co. $5,930; from Thomas & Johnston, Doniphan, two 24 ft. rein.-con. slab spans, etc., $3,569, one 30 ft. rein.-con. deck girder span, etc., $6,106, both over drainage ditch, all foregoing in Stoddard Co.; from F. O'Dell, Hannibal, two 12 ft. rein.-con. slab spans, etc., over creek $3,145, three 20 ft. rein.-con. slab spans, etc., over Doe Run $3,892, three 35 ft., rein.-con. deck girder spans, etc., over Buck Run $7,[illegible], all foregoing in Clark Co.; from E. Euler, Maysville, two 10 ft. rein.-con. slab spans, etc., over Dry Hollow, Wright Co. $1,[illegible], four 35 ft. rein.-con. deck girder spans, etc., over Bryant Creek, Douglas Co. $9,[illegible]; from M. E. Gillioz, Monett, one 50 ft. rein.-con. deck girder span, etc., over Prairie Hollow, Wright Co. $7,265, one 40 ft. rein.-con. deck girder and two 20 ft. rein.-con. slab spans, etc., over stream, Benton Co. $4,718, one 40 ft. rein.-con. deck girder span, etc., over Arthur Creek, Texas Co. $4,769, thirteen 20 ft. I-beam spans, etc., over overflow of Black River, Butler Co. $13,209, one 80 ft. steel truss and three 30 ft. rein.-con. deck girder spans, etc., over Goodwin Hollow, Laclede Co. $14,352; from Summerfield Jones Co., Billings, three 20 ft. rein.-con. slab spans, etc., over drainage ditch $5,899, three 18 ft., rein.-con. slab spans, etc., over drainage ditch $5,925, three 24 ft., rein.-con. slab spans, etc., over D. D. 25 $6,665, three 25 ft. rein.-con. deck girder spans, etc., over D. D. 2 $6,591, one 40 ft. and two 30 ft. rein.-con. deck girder spans, etc., over D. D. 16 $8,849, one 120 ft. steel truss and thirty 40 ft. rein.-con. deck girder spans, etc., over Black River $110,449, all in Butler Co.; from C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, two 20 ft. rein.-con. slab spans, etc., over Big Creek, Clark Co. $3,455, one 24 ft. rein.-con. slab and one 35 ft. rein.-con. deck girder spans, etc., over Breton Creek $4,883, one 80 ft. steel truss and seven 20 ft. rein.-con. slab spans, etc., over Cedar Creek $13,722, three 80 ft. steel truss, and three 40 ft. rein.-con. deck girder spans, etc., over Big River, $28,013, all foregoing in Washington Co.; from Novaculite Constr. Co., Marion, Ill., one 40 ft. and one 50 ft. I-beam spans, etc., over drainage ditch, Stoddard Co. $4,399; from Cameron-Joyce Co., Keokuk, Ia., one 80 ft. steel truss and four 40 ft. rein.-con. deck girder spans, etc., over Henry Creek, Clark Co. $19,108; from McCarthy Impvt. Co., Davenport, Ia., extending, repairing, etc., one 120 ft. steel truss and two 24 ft. rein.-con. slab spans, etc., over drainage ditch, Stoddard Co. $4,794; from R. L. Williams, Charleston, extending, widening, etc., one 30 ft. I-beam and one 50 ft. steel truss spans, etc., over drainage ditch, Scott Co. $1,668, one 34 ft., one 35 ft., one 40 ft., and one 44 ft. I-beam spans, etc., over drainage ditch, Stoddard Co. $5,800, one 35 ft., and two 40 ft. I-beam and one 50 ft. steel truss spans, etc., over ditches, New Madrid Co., $12,246. Noted Dec. 3.

CONTRACTS AWARDED

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges, etc., on Project 241, Johnston Co., to J. L. Brinkley & Son, Thomasville, $25,575 Noted Nov. 26.

South Carolina — State Hy. Dept., Columbia, rebuilding temporary untreated timber bridge over Broad River, State Route 2, Richland Co., destroyed by fire, to E. L. and W. B. Summersett, Columbia. $28,146.

South Carolina—State Hy. Dept., Columbia, open spandrel rein.-con. bridge over Congaree River, on State Route 2 and 12, Federal Aid Project 251, Richland and Lexington Counties, to Hardaway Contg. Co., Columbus, Ga., $498,576. Noted Nov. 19.

Dam

PROPOSED WORK

Tex., Kerrville — Election soon $80,000 bonds concrete dam, 22 ft. high. W. E. Simpson & Co., Natl. Bank of Commerce Bldg., San Antonio, engrs.

Railways

CONTRACTS AWARDED

West Virginia—Norfolk & Western Ry. Co., Roanoke, Va., E. P. Wiltsee, ch. engr., buildings and shop facilities, at Williamson, here, to J. Pettyjohn & Co., Lynchburg, Va., and H. A. Lucas, Bluefield; grading and masonry on yard extension, 1,000,000 cu.yd. excav., 3,000 cu.yd. rein.-con. masonry, to H. M. Waugh, Bluefield. Above work together with about 20 mi. additional track in yard, about $2,500,000.

Washington — Great Northern Ry. Co., 5th and Jackson Sts., St. Paul, Minn., constructing 8.5 mi. railroad tunnel through Cascade Mts. at Berne, here, to A. Guthrie & Co., 1209 Builders Exch. Bldg., St. Paul, Minn. Total approximately $8,000,000.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Mass., Charlestown (Sta. Boston)—Caster, Curran & Bullett, Inc., 131 State St., Boston, plans bulkhead, pier, fill solid and dredge in Mystic River, here. $25,000.

Fla., West Palm Beach—Palm Beach Co. election Jan. 5, $3,250,000 bonds, improving Lake Worth Inlet.

La., Lake Charles — Voted $300,000 bonds, for drainage work, also $20,000 bonds parks and $10,000 bonds walks.

Tex., Dilley — Dilley-Pearsall Water Impvt. Dist., Frio Co., voted $50,000 bonds, preliminary surveys, etc. irrigating 50,000 acres. G. H. McCandless, Melon, pres.

Tex., Donna — Donna Irrigation Dist., Hidalgo Co. 1, made plans cleaning out canals, purchasing dredge, pumps and expending $175,000 for drainage facilities. Total $580,000. A. Tamm and W. F. Shaw, Mercedes, engrs. Noted Sept. 3.

Tex., Edinburg—Election Dec. 28, $75,000 bonds, 12 mi. irrigation canals, etc. Address I. G. Cook, pres. Hidalgo Co. Water Impvt. Dist. 3, Edinburg.

Tex., Freeport—Brazoria Co. and Brazos River Harbor Assn. voted $1,000,000 bonds, developing deep water in all of county west of Chocolate Bayou. Total $1,500,000. Government appropriates $500,000 towards cost. Noted Nov. 26.

Tex., McAllen — Water Dist. 3, Hidalgo Co., election Dec. 28, $75,000 bonds, irrigation improvements, incl. 60,000 ft. concrete canals, gates, etc.

Calif., Placerville — El Dorado Irrigation Dist. making plans irrigating 32,000 acres, earth and concrete reservoirs, distributing system, etc. J. Spink, 4409 Solano Ave., Sacramento, engr.

Calif., Ravendale — Red Rock Irrigation Dist. plans election $175,000 bonds, for canals, 146,200 cu.yd. excav., and raising some rock and earth fill dams. B. Y. Lyons, Ravendale, engr. T. H. Means, 369 Pine St., San Francisco, consult. engr.

BIDS DESIRED

N. Y., Buffalo—Jan. 12, by Dept. Pub. Wks., Municipal Bldg., completing Sect. 4, Buffalo River and Cazenovia Creek Improvement from point about 700 ft. west of Cazenovia St. to west street line same street; adv. E. N.-R. Dec. 24.

N. Y., St. George—Dec. 28, by M. Cosgrove, comr. Docks, Pier "A," foot of Battery Pl., New York City, dredging north side Pier 6, at Arrietta St., here, Contr. 1870.

Fla., Fort Pierce — Jan. 27, by C. C. Burry, city aud.-clk., fill, rein.-con. and untreated timber pile bulkheads, and sanitary sewers, etc. W. A. Smith, mgr.; adv. E. N.-R. Dec. 24.

BIDS RECEIVED

Wis., Milwaukee — Harbor Comn., E. Bruncken, secy., Dec. 16, reinforcing with additional anchorage and piling, approximately 1,375 ft. revetment, along west side Jones Island, from S. M. Siesel Co., 160 Ogden Ave., $80,727. Noted Dec. 10.

Calif., Blythe — Palo Verde Irrigation Dist., from D. A. Foley, Wright-Callendar Bldg., Los Angeles, approximately 24 mi. irrigation canals, 81,500 cu.yd. excav. $0.15 per cu.yd., 81,200 cu.yd. $0.15, 60,000 cu.yd. $0.15, 116,000 cu.yd. $0.19, etc.; also clearing and excavation for river cut, 100,000 cu.yd. excav. $0.13, and 40 acres clearing, $40. Noted Dec. 17.

CONTRACTS AWARDED

Mass., Charlestown (Sta. Boston)—Wiggin Terminals, Inc., 50 Terminal St., dredging for lumber terminal, Mystic River, Medford St., to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, and Gerrish Dredging Co., 101 Tremont St., Boston.

West Virginia—See "Railways."

Ill., Murphysboro — Comrs. Big Lake Special D. D., Jackson Co., 470 cu.yd. excav., etc., to N. J. Cole, c/o Chairman of District, at $0.13 per cu.yd. Noted Nov. 5.

Streets and Roads

PROPOSED WORK

Mass., Cambridge (Boston P. O.)—City Council voted $75,000 widening Church St. Engineer not selected.

N. J., New Village—Warren Co. plans concrete paving 1 mi. Morris Pike. H. W. Vetter, Belvidere, engr.

Pennsylvania—State Hy. Dept., Harrisburg and Comrs. Northampton, Co. (Easton), plan improving 2 mi. highway between Delaware River and Portland. $80,000.

Pa., Millvale — Boro Council soon takes bids brick repaving Lincoln Ave. $46,655. T. D. Burns, clk.

W. Va., Morgantown — Monongalia Co. plans election $420,000 bonds improving 13 mi. various roads in Grant Dist. A. J. Baritell, Morgantown, co. engr.

N. C., Raleigh—City Comrs. authorized sale of $1,000,000 bonds continuing paving program. C. C. Page, comr. Pub. Wks.

Fla., Crystal River — Takes bids about Feb. 1, grading, curbing, guttering and sheet asphalt on rock paving various streets. $600,000. E. V. Camp and associates, Inverness, engrs.

Fla., Lake City—Columbia Co., election Dec. 22, $500,000 bonds, paving State Rd. 5-A and 28, and hardsurfacing from Lake City to Georgia state line.

Fla., Marianna—See "Waterworks."

Fla., Wildwood—See "Waterworks."

La., Crowley—Police Jury Arcadia Parish election soon $240,000 bonds, graveling 30 mi. roads in 4th Ward. Address Secretary.

O., Canton — Bd. Control takes bids in spring improving 0.5 mi. Vassar Ave., 40 ft. $30,000. W. E. Sarver, Canton, engr.

O., Canton—Coms. Stark Co. take bids in spring improving 2 mi. Canton-Magnolia Rd., 16 ft., $45,000-$50,000; also 2.75 mi. Greentown-Cairo Rd., 18 ft., $75,000. A. M. Wise, Canton, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring paving 9.9 mi. Brecksville Rd., $650,000; and 3.5 mi. Turney Rd., $500,000, both 24 ft. F. Lander, Court House, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring paving 4.04 mi. Kinsman Rd. from Shaker Heights to South Kinsman Rd., 24 ft., $310,000; 0.6 mi. Kinsman Rd. from Falls River to Geauga Co. line, 18 ft., $50,000; 3 mi. North Woodland Rd., 24 ft., $195,000; and 8 mi. Mayfield Rd., 2 strips 19 ft. each, $977,000. F. Lander, Court House, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring paving and repaving 8.959 mi. South Miles Rd., $582,335; paving 6.331 mi. North Miles Rd., $415,000; and 9 mi. Warrensville Center Rd., $2,000,000, all 24 ft. F. Lander, Court House, engr.

O., Youngstown—Comrs. Mahoning Co., take bids in spring concrete widening 4 mi. Sebring-Alliance Rd. $50,000.

Ill., East St. Louis — Soon takes bids grading, curbing and hardsurfacing 8th St. from Bay to Bond St. $34,500. W. McK Brown, City Hall, engr. Noted Aug. 20.

Ill., Sycamore—Soon takes bids curbing, guttering and 7 in. rein.-con. paving 18,750 sq.yd. Exchange and other streets. $80,909. W. M. Hay, DeKalb, engr.

Wis., Sheboygan—Sheboygan Co., G. W. Ubbelohde, comr., making plans improving various roads and constructing various bridges. $425,200.

Wis., Viroqua—Vernon Co., A. Ristow, highway comr., voted $400,000 bonds, crushed stone surfacing 67.34 mi. various State Trunk Highways during 1926, 1927 and 1928. Total $985,000. State and Federal Aid appropriated toward cost.

Ia., Des Moines — Soon takes bids asphalt, Willite asphalt, asphaltic concrete, Warrenite, vibrolithic and various types of concrete paving 6,219 sq.yd. 14th Pl., 2,821 sq.yd. School St., 1,677 sq.yd. Southwest 13th St., and 1,430 sq.yd. Center St. K. C. Kastberg, City Hall, engr.

Kan., Erie—Neosho Co. soon takes bids grading and concrete or brick paving 2.656 mi. King of Trails Rd., 18 ft. C. P. Donald, Court House, and Kansas Eng. Co., 601 Kansas Ave., Topeka, engrs. Noted Sept. 24.

Kan., McPherson—McPherson Co. soon takes bids grading 7.817 mi. Federal Aid Project 278-A, also two 18 ft. span slab bridge, 28 ft., one 60 ft. span steel bridge, 20 ft., and one 40 ft. span steel bridge, 40 ft. G. D. Johnson, Court House, engr.

Mo., Webb City—Plans election in spring $150,000 bonds, paving various streets. F. R. Hodgdon, City Hall, engr.

Tex., Beaumont—Voted $400,000 bonds paving various streets. R. C. Black, city engr. Noted Nov. 19.

Tex., Carthage — Panola Co. making plans grading and bridging 5.09 mi. State Highway 8-A from Gary to State Highway 8, 26 ft. $35,685. D. E. Martin, Carthage, co. engr.

Tex., Clarksville — Red River Co. made plans grading, gravel surfacing and bridging 8 mi. State Highway 5 between Avery and Annona, 12 ft. $65,000. M. P. Homeyer, Clarksville, resident engr.

Tex., Crockett — Houston Co. making plans grading and bridging 7.068 mi. State Highway 19, Federal Aid Project 485-B, 26 ft. $50,000. F. J. Von Zuben, Crockett, co. engr.

Tex., Eastland — Eastland Co. making plans grading and bridging 3.69 mi. State Highway 23, State Aid Project 655-A, 26 ft. $140,000. G. E. Franklin, engr.

Tex., Ennis — Election Dec. 31, $60,000 bonds, paving and sewers in various streets. G. C. Sanderson, secy.

Tex., Floydada — Voted $75,000 bonds, paving streets in business district. Gantt-Baker Co., 1116-18 Main St., Oklahoma City, Okla., engrs. Noted Dec. 10.

Tex., Georgetown—Voted $45,000 bonds paving various streets. J. M. Sharpe, Georgetown, mayor. Noted Nov. 12.

Tex., Hallettsville — Lavaca Co. voted $175,000 bonds hardsurfacing about 11 mi. highway. State and Federal Aid expected. W. H. Koether, Hallettsville, co. engr. Noted Dec. 3.

Tex., Henderson—Rusk Co. making plans grading and bridging 3.2 mi. State Highway 64, Chapman to Panola Co. line, 26 ft. $30,000. C. R. Newton, Henderson, co. engr.

Tex., Henderson — Rusk Co. making plans grading, bridging and gravel surfacing 5 mi. Mt. Enterprise Timpson Rd., 16 ft. $40,000. C. R. Newton, Henderson, engr.

Tex., Hereford — Election soon $75,000 bonds paving 50 blocks various city streets. Total $200,000. Engineer not selected.

Tex., La Grange — Fayette Co. making plans grading, bridging and gravel surfacing 7 mi. State Highway 71 from La Grange to Ellinger Rd., 18 ft. $90,000. R. E. Schiller, La Grange, co. engr.

Tex., Seymour — Baylor Co. soon takes bids bituminous macadam on concrete paving 13.68 mi. State Highway 30, Federal Aid Project 452-A, Unit 2, 18 ft. $360,000. J. G. Rollins, resident engr.

Tex., Seymour—Baylor Co. making plans grading and bridging 20.6 mi. Highway 24. $65,000. J. G. Rollins, Seymour, engr.

Tex., Waxahachie—Ellis Co. soon takes bids grading and bridging 4.17 mi. State Highway 6, Federal Aid Project 487-C, 26 ft. $26,475. W. A. Spalding, Waxahachie, co. engr.

Idaho, Nampa—Election in January $50,000 bonds grading, gravel surfacing, etc., various streets. G. Meffan, mayor.

California—State Hy. Comn., Sacramento, rescinded contract grading and graveling 3.8 mi. road between point 4 mi. west of Bieber and Bieber, Lassen Co. Noted Oct. 22.

Calif., Huntington Beach—Making plans grading, curbing, ornamental street lighting system, Topeka surfacing on asphaltic concrete paving, etc., 13th St., etc. To exceed $25,000.

BIDS DESIRED

N. Y., New York—Dec. 29, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., grading, curbing, etc., East 214th St., Underhill, Puritan, Thieriot, Hobart and Harrington Aves.

Virginia — Jan. 6, at office State Hy. Dept., Richmond, improving roads and building bridges on Route 31, Sect. F-71-A, Fairfax Co.; Route 10, Sects. F-132-D and E, Montgomery Co.; Route 35, Sects. F-145-H and J, Sussex Co.; Route 34, Sect. F-181, Accomac Co.; Route 31, Sect. F-182-B, Prince William Co. Route 116, Sect. S-354-B, Lee Co.; Route 31, Sect. F-358-J, Caroline and Hanover Counties; Route 31, Sect. 372-C, Spotsylvania and Caroline Counties; Route 14, Sect. F-375, Alleghany Co.; and Route 17, Sect. S-3910, Bath Co. C. S. Mullen, ch. engr.; adv. E. N.-R. Dec. 24.

Fla., Tampa — Jan. 5, by City Comn., vitr. paving Impvt. 159, $30,000, and Impvt. 157 and 158, $35,000; sidewalks in Dists. 163 and 165, $30,000. W. E. Duncan, city clk.

Ala., Birmingham — Jan. 20, by City Comn., asphalt on concrete paving 5 blocks 2nd Ave. from 80th to 85th Sts., 60 ft. $59,050, 9 blocks 2nd Ave. from 68th to 77th Sts. S, 60 ft. $85,000, and 3 blocks Court Y, Avenue Z and 29th St. (Ensley), 40 ft. $25,100; asphalt paving 1 block Woodland Ave., 40 ft. $900, and 6 blocks 41st Alley S, 20 ft. $1,935. Address City Engineer.

Miss., Gulfport—Jan. 5, by Bd. Supervs. Harrison Co., Warrenite bituilthic paving 8 mi. Magnolia Highway, 9.93 mi. Magnolia Route, 7,000 ft. Old Spanish Trail, 10,160 ft. Pass Christian Rd. in Biloxi and furnishing, etc. 59,000 sq.yd. gravel. W. S. Hawkins, Gulfport, co. engr.

Louisiana — Jan. 7 (extended date), by State Hy. Comn., Baton Rouge, graveling 14.33 mi. Eunice-Elton Highway, Federal Aid Project 163, Evangeline and Jefferson Davis Parishes. W. B. Robert, highway engr. Noted Dec. 3.

La., Gretna — Dec. 28, by Police Jury Jefferson Parish, grading and bituminous on 5 in. concrete or block paving 3.66 mi.

Streets and Roads (Continued)

Metairie Ridge-Shrewsbury Highway (Dist. 1). F. T. Payne, Jefferson Trust & Savings Bank Bldg., engr. Noted Nov. 26.

O., East Cleveland (Cleveland P. O.)—Dec. 28, by City, paving and repaving Hayden, Stralkmore, Nela, Kirke, Carlyon Rds. To exceed $25,000. M. Garnett, City Hall, engr.

Ind., Plymouth — Jan. 5, by J. Hildebrand, engr., Plymouth, grading and graveling 7.5 mi. Claybough Rd., 26 ft., for Marshall Co. $43,225. Noted Dec. 17.

Wis., Sheboygan — See "Contracts Awarded."

Kan., Belleville — Dec. 30, by Clerk Republic Co., grading and concrete or brick paving, etc. 5,488 sq.yd. Federal Aid Project 272-C. Noted Nov. 5.

Tex., Boston — Bowie Co. taking bids grading, bridging and gravel surfacing Highway 98, 16 ft. $40,000. F. E. Hess, Boston, engr. Noted Oct. 1.

Tex., Wichita Falls—Taking bids and open same about Jan. 1, permanent paving 20 blocks Marsh, Ave. F, Park St. and Municipal Park Rd. $60,000. F. M. Rugeley, city engr.

Okla., Oklahoma City—Dec. 28, by W. A. Jackson, clk. Oklahoma Co., vertical fibre brick surfacing 4,200 sq.yd. Highway 6. $25,000. R. S. James, Court House, engr.

Colorado—Dec. 29, by State Hy. Dept., Denver, gravel surfacing 3.877 mi. Federal Aid Project 213-D, La Plata Co.; grading 5.772 mi. Federal Aid Project 279-C, Jefferson and Park Counties; sand surfacing 6.856 mi. Federal Aid Project 278-B, Lincoln Co.; 250 ft. steel bridge and approaches on Federal Aid Project 282-A, Moffat Co., 233,000 lb. steel. L. D. Blauvelt, State Office Bldg., engr.

Arizona — Dec. 28, by W. C. Lefebvre, highway engr., Phoenix, improving Safford-State Line Highway, Federal Aid Project 88-A, 14,000 cu.yd. roadway, 20,000 cu.yd. borrow and 600 cu.yd. structural excav., 6,400 cu.yd. ditches and channels, 1,300 sta.yd. overhaul, 3,450 lbs. reinforcing, etc., for State Hy. Dept., Phoenix.

Arizona — Jan. 4, by W. C. Lefebvre, Phoenix, highway engr., improving Prescott-Ashfork Highway, Federal Aid Project 62-B, 36,600 cu.yd. approach fill, 177,000 cu.yd. overhaul ,2,000 cu.yd. surfacing overhaul, 29,000 lb. reinforcing, etc.; also grading and paving 10,560 sq.yd. various streets, in Globe, for State Hy. Dept., Phoenix.

Calif., Mill Valley—Dec. 30, by W. Falley, town clk., improving Cascade Dr., 14,197 cu.yd. grading, 46,000 sq.ft. concrete paving, 70,400 sq.ft. 2 in. asphaltic concrete and 16,640 sq.ft. 1½ in. asphaltic concrete surfacing, etc. $50,000. J. C. Oglesby, town engr. Noted Oct. 29.

Calif., San Diego — Jan. 4, by Common Council, improving Harrison Ave., 24th and N Sts., 281 cu.yd. excav., 240,543 sq.ft. Warrenite on 2½ in. bituminous paving, etc. F. A. Rhodes, city engr. Noted Sept. 24.

BIDS RECEIVED

New York—A. W. Brant, comr. Highways, Albany, Dec. 18 (*e. e. means engineers estimate*), improving 12.83 mi. Highway 8241, Franklin Co. Line-Sevey Corners Highway, St. Lawrence Co., from D'Onbro Bros., Inc., Leominster, Mass., $637,812, e. e. $766,053; 10.5 mi. Sects. 1, 2, 3 and 4, Repair Contr. 1490-3142, Highway 1407, Albany Co. Highway and Highway 604,630 Schenectady Co. Highway, Troy and Schenectady Counties, from J. M. Murray, Rochester, $388,335, e. e. $526,693; 7.08 mi. Highway 1222, Millbrook-Dover Plains Rd., Dutchess Co., from N. W. Willite Paving Corp., Rochester, $394,045, e. e. $506,064; 7.85 mi. Highway 8242, Alpine-Cayuta Rd., Part 2, Schuyler Co., and Cayuta-Swartwood Rd., Parts 1 and 2, Chemung Co., from Frost & Lowman, Watkins, $275,403, e. e. $393,585; 5.15 mi. Highway 8238, Willsboro-Keeseville, Part 2, Essex Co., from J. J. Fredella Co., Inc., Glen Falls, $268,614, e. e. $334,196; 4.65 mi. Highway 8243, South Salem-Highridge Rd., Part 1, Westchester Co., from P. Battifarano, Woodcliff-on-Hudson, $250,483, e. e. $331,590; 8.23 mi. Highway 8239, Cold Brook-Nobleboro Highway, Parts 1 and 2, Herkimer Co., from Stapell, Mumm & Beals Corp., Gardensville, $381,280, e. e. $457,305; 1.7 mi. Highway 1725, LeRoy-Brockport, Part 1, Genesee Co., from Greenfield & Harding, Hornell, $59,867, e. e. $76,775. Noted Dec. 3.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Dec. 17, from Sicilian Asphalt Co., 41 Park Row, New York City, grading and permanent asphalt paving Pearson St. $13,862, 115th St. $14,708, and 39th Ave. $15,574; from Welsh Bros., Inc., 32 Queens St., Astoria, grading Stafford St. $67,015, and grading, curbing and sidewalks on Laurel Hill Blvd. $11,588, from Pegno Constr. Co., 368 Hamilton Ave., Lurting St. $8,335, and grading and sidewalks on 57th St. $11,100, from G. H. Georgi, 15 Elby Ave., 40th Rd., $1,639. Noted Dec. 10.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Dec. 18, grading and granite block paving 10th Ave., from C. Helbock, 633 Wales Ave., $3,351; and grading, curbing, flagging and sheet asphalt paving Bennett Ave., from Gaffney Constr. Co., 50 East 42nd St., $26,180. Noted Dec. 17.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Dec. 18, bituminous concrete paving Richmond Ave. from Signs Rd. to Rockland Ave., from J. E. Donovan, 614 Union St., Brooklyn, $24,749. Noted Dec. 17.

N. Y., Yonkers — Bd. Contr. & Supply, Dec. 10, grading, curbing and paving with **(a)** small granite block paving, cement grout filler **(b)** small granite block paving, asphalt cement filler **(c)** bitulithic on concrete or **(d)** concrete with bluestone curb granite curb Nepperhan and Old Nepperhan Aves., from A. Cianciulli, 923 Nepperhan Ave., **(a*)** $244,759 **(ax)** $253,075 **(b*)** $245,759 **(bx)** $254,075, **(c*)** $195,367 **(cx)** $203,683; and from Poirier Contg. Co., 1476 Bway., New York City, **(d*)** $188,737 and **(dx)** $196,675.

Pa., Phila.—Bureau of Highways, Dept. Pub. Wks., grading Arthur St. between Castor and Large Sts., Emerson St. between Castor and Summerdale Sts. and Fuller St. between Castor and Bustleton Sts., also Emerson St. between Ferndale and Verree Sts. and Hoffnagle St. between Ferndale and Verree Sts., from F. Mark Contg. Co., 2820 North 21st St., $9,966 and $3,707 respectively; grading Brighton, Crabtree, Englewood, Faunce, Friendship, Gilmore, Hartel, Lansing, Meridian, Napfle, Oakmont, Princeton, Rowland, Sackett, St. Vincent, Chelmire and Wellington Sts., from Curtis Bros., State Rd., Unrah $35,111; Huntington Park between H and J Sts., from Demees Bros., 5th and Fisher Aves., $5,257; and furnishing and delivering electric cable, from Hazard Mfg. Co., 805 Packard Bldg., $1,198.

Delaware—State Hy. Dept., Dover, paving with **(a)** stone concrete or **(b)** slag concrete 7.93 mi. Laurel-Sharptown Rd., Contr. CS45, from Slacum Brohawn & Woolford, Cambridge, Md. **(a)** metal joint $244,837, open joint $242,744, from Field, Barker & Underwood, Commercial Trust Bldg., Phila., Pa. **(b)** metal joint $231,700, open joint $229,605; 2.5 mi. Milton-Waples Mill Rd., Contr. CS47, from Highway Eng. & Constr. Co., Selbyville, Del. **(a)** metal joint $68,002, open joint $67,078 **(b)** metal joint $65,857, open joint $64,933. Noted Dec. 3.

North Carolina—State Hy. Dept., Raleigh, grading, concrete or asphaltic paving 6.75 mi. Project 477, Wake Co., and 4.465 mi. Project 597, Rockingham Co., from Foster Constr. Co., Wilkesboro, $196,150 and $110,796 respectively, 11.516 mi. Project 5230, Davidson Co., from Noll Constr. Co., Charlotte, $323,755, 9.065 mi. Project 605, Alexander Co., from W. E. Graham, Mt. Ulla, $304,107, 6.826 mi. Project 985, Swain Co., from Appalachian Constr. Co., Knoxville, Tenn., $183,818, 12.4 mi. Project 955, Jackson Co., from Overstreet-Nance Constr. Co., Bedford, Va., $317,925, 9.1 mi. Project 6610, Richmond Co. from Coastal Constr. Co., Florence, S. C., $278,109; clearing, grubbing and grading 7.81 mi. Project 348, Cumberland Co., from J. F. Mulligan Constr. Co., North Wilkesboro, $29,077. Noted Nov. 12.

Louisiana — State Hy. Comn., Baton Rouge, Dec. 15, graveling 2.58 mi. Lake Charles-DeRidder Highway, State Project 518, Calcasieu Parish, from C. E. Julian, Lafayette, $14,332; and 2.12 mi. Alexander LeCompte Highway, Project 162 A, Rapids Parish, from A. G. Pringle, Glenmora, $11,019. Noted Dec. 3.

Kentucky — State Hy. Dept., Frankfort, Dec. 10, from Scott & Trinkle, Norton, Va., surfacing 2 mi. Barbourville-Williamsburg Rd., 14 ft., State Project 22-A, waterbound macadam on sandstone $33,313, waterbound macadam $37,913, bituminous macadam $40,190. Noted Nov. 19.

O., Cincinnati—Director Pub. Serv., Dec. 8, grading, curbing and concrete repaving 3,800 sq.yd. Fairbanks Ave., from O'Connell & Sweeney, Florence Ave., $28,128. Engrs. est. $31,393. Noted Dec. 3.

Missouri—State Hy. Dept., Jefferson City, Dec. 11, from Novaculite Constr. Co., Marion, Ill., grading 2.923 mi. road from Dudley west, Stoddard Co. $13,105, from W. E. Johnson, Bellville, Ill., 3.717 mi. roads from Morehouse east and west, New Madrid Co. $10,672, from W. D. Langergan Constr. Co., New Madrid, 4.129 mi. Gray Ridge-Morehouse Rd., Stoddard Co. $16,736; from Hamilton Hoffman Constr. Co., Carbondale, Ill., grading 21.019 mi. and 18 ft. concrete paving 3.544 mi. St. Louis-Springfield Rd., Franklin Co., $73,735; from Rouse Constr. Co., Cape Girardeau, 18 ft. concrete paving 2.923 mi. road from Dudley west, Stoddard Co. $42,519, from Montague Constr. Co., St. Louis, 3.708 mi. St. Louis-Springfield Rd., Franklin Co. $59,423, from Regenhardt Constr. Co., Cape Girardeau, 13.984 mi. same road $224,507, from R. L. Williams, Charleston, 4.982 mi. road from Sikeston west, Scott Co. $39,256, 4.129 mi. Gray Ridge-Morehouse Rd., Stoddard Co. $58,576, 3.717 mi. road from Morehouse east and west, New Madrid Co. $53,052; from Summerfield Jones Constr. Co., Billings, 30 ft. grading 9.566 mi. road from Poplar Bluff south, Butler Co. $43,551, from Thomas & Johnston, Doniphan, 2.285 mi. Puxico-Bollinger Co. line Rd. $16,626, and 4.516 mi. road from Puxico west $28,930, both in Stoddard Co., from E. Euler, Maysville, 3.535 mi. Ava-Mansfield Rd., Wright Co. $46,479, 4.645 mi. Ava-Mansfield Rd., Douglas Co. $52,322, from Burnham & Son, St. Louis, 7.794 mi. road from Dixon north, Pulaski Co. $25,913, from J. C. Ellis, Rockport, Ind., 1.72 mi. Springfield-St. Louis Rd., Laclede Co. $9,841, from O. Fuller, Portageville, 3.763 mi. road from Poplar Bluff south, Butler Co. $11,058, from C. P. O'Reilly, Wainwright Bldg., St. Louis, 10.024 mi. Potosi-Caledonia Rd., Washington Co. $70,178, 4.589 mi. Potosi-Ironton Rd., Washington Co. $34,630, 5.895 mi. Canton-Wayland Rd., Clark Co., $71,636; from M. E. Gilliloz, Monett, 30 ft. grading 4.034 mi. road from Poplar Bluff south, Butler Co. $21,755, and 18 ft. gravel surfacing 2.291 mi. road from Cole Camp west, Benton Co., $20,079; from Chaney & Amyx, Licking, 30 ft. grading 0.321 mi. Salem-Licking Rd., Dent Co., $5,950, and 18 ft. gravel surfacing 2.509 mi. Cabool-Houston Rd., Texas Co., $46,606; from J. L. Simmons, La Plata, 18 ft. gravel surfacing 2.379 mi. Glenwood-Lancaster Rd., Schuyler Co. $13,557, from J. H. Kerr Co., Ozark, 2.652 mi. Cabool-Houston Rd., Texas Co. $5,433, from Troy Constr. Co., Troy, 0.709 mi. road from Troy south, Lincoln Co. $9,224, from B. D. McColly & Son, Rensselaer, Ind., 2.608 mi. Keytesville-Salisbury Rd. $4,545, from F. T. O'Dell, Hannibal, 0.245 mi. Canton-Wayland Rd., Clark Co. $2,339, from L. R. Trogden, Quincy, Ill., 2.814 mi. Keytesville-Salisbury Rd., Chariton Co. $3,460, from Humphreys & Stebbins, Fredericktown, 2.134 mi. Ironton-Potosi Rd., Iron Co. $10,782, 0.211 mi. Annapolis-Des Arc Rd., Iron Co. $12,603, and from Carter Harlin Constr. Co., West Plains, 4.606 mi. road from Houston south, Texas Co., $41,972. Noted Dec. 3.

Texas—State Hy. Comn., Austin, grading and bridging 13.45 mi. State Highway 23, Federal Aid Project 467-A, 26 ft., Baylor Co., from McClung Constr. Co., 1309 F. & M. Bank Bldg., Ft. Worth, $157,989. Engrs. est. $175,000. Noted Oct. 15.

Tex., Bay City — P. Thompson, mayor, Dec. 2, paving 13,204 sq.yd. various streets, from Thomas & Steagall, Rogers, 5 in. 1:2:3½ concrete $33,283, 6 in. 1:2:3½ concrete $36,188, 2 in. on 6 in. concrete $48,732; from Brown & Root, Georgetown, bituminous on limestone $29,115. Noted Nov. 26.

Tex., Huntsville — Walker Co., clearing, grubbing, bridging and concrete paving 18.01 mi. State Highway 32, Federal Aid Project 489, 26 ft., 61,628 lb. reinforcing, 131,860 ft. treated and 8,692 ft. untreated bridge timber and 4,900 ft. creosoted timber piling, from Smith-Boyette Co., Bryan, $98,703. Engrs. est. $114,900.

Tex., La Grange — R. E. Schiller, engr., La Grange, Dec. 4, grading and bridging 8.46 mi. Highway 71, Federal Aid Project 417-B, Fayette Co., 259,238 lb. reinforcing etc., from D. Wood, Sulphur Springs, $119,373. Engrs. est. $150,143. Noted Nov. 19.

Calif., Glendale — Improving Glenoaks Blvd., etc., 512,000 sq.f.t grading, 406,000 sq.ft. 8-6-8-in. concrete paving, etc., from G. A. Simpson, 221 East San Fernando Rd., Burbank, $165,597.

Calif., Los Angeles—Curbing, guttering, sidewalks, asphaltic concrete paving, etc., 170,485 sq.ft. Huntington Dr., also curbing, sidewalks, concrete paving, etc., 46,008 sq.yd. 36th St. and Kerchoff Ave. Impvt. Dist., from Griffith Co., 502 Los Angeles Ry. Bldg., $53,439 and $19,168 respectively. Engrs. est. $54,762 and $20,961 respectively.

Calif., Los Angeles—From Griffith Co., Railway Bldg., improving 9th St. between Meyler and Weymouth Aves., grading $4,500, 93,868 sq.ft. asphalt and 55,630 sq.ft. 6 in. concrete paving $0.185 per sq. ft. each, storm drain $8,500, sanitary sewer $6,600, etc., total $48,717, Gaffey St. between McArthur and Elberon Aves., 150,199 sq.ft. 5 in. concrete paving $0.162, sanitary sewer $7,000, grading $8,000, etc., total $52,425; Huntington Dr. between Lifur and El

Streets and Roads (Continued)

Sereno Ave., 170,485 sq.ft. 8 in. concrete paving $0.24, etc., total $53,440.

CONTRACTS AWARDED

North Carolina—State Hy. Comn., Raleigh, clearing and grading 11.6 mi. Project 241, Johnston Co., to N. L. Teer, Durham, $91,355, and 7 mi. Project 755, Stokes Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $51,380; grading and plain concrete paving 1.73 mi. Project 986-extension, Swain Co., to R. H. Wright & Son, Andrews, $45,686. Grand total $188,421. Noted Sept. 24.

North Carolina—State Hy. Comn., Raleigh, concrete paving 56 mi. highway, 18 ft., to J. O. Heyworth Inc., 606 South Michigan Ave., Chicago, Ill. Engrs. est. approximately $1,500,000.

Ill., Madison — Asphalt on present brick resurfacing 1 mi. Madison Ave., to Concord Constr. Co., Buder Bldg., St. Louis, Mo., $117,000.

Wis., Sheboygan—Sheboygan Co., G. W. Ibbelohde, comr., will surface with gravel 11.2 mi. Trunk Highway 67; 6 mi. Highway C, $30,000; 4 mi. Highway M, $20,000; 4 mi. Highway A, $9,000; 3 mi. Highway F, $16,000; 1 or 2 mi. Highway Z, $4,200; and 1 or 2 mi. Highway V, $5,000, by day labor. J. T. Donaghey, Madison, ch. engr.

Calif., Burbank—For 6 in. concrete paving, etc., approximately 510,000 sq.ft. Glenoaks Blvd., to G. A. Simpson, 221 East San Fernando Rd., $165,598.

Calif., Inglewood—To G. H. Oswald, 366 East 58th St., improving Inglewood Ave., etc., 178,060 sq.ft. grading $0.035 per ft., 123,085 sq.ft. 5 in. Willite paving $0.17, etc., total $40,337.

Calif., Long Beach—Curbing, guttering, and concrete paving, etc., 7th St. between Santiago and Hathaway Aves., to D. P. Durham, 900 Raymond Ave., $30,515.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks and sheet asphalt and asphaltic concrete paving 9th St. from Meyler St. to Weymouth Ave., to Griffith Co., Los Angeles Ry. Bldg., $48,712; also grading, curbing, sewers and asphaltic concrete paving 161,913 sq.ft. Alfred St. and Croft Ave. between Santa Monica Blvd. and Melrose Ave., etc., to Los Angeles Paving Co., Inc., 2900 Santa Fe Ave., $49,131. Noted Oct. 22.

Calif., Pomona—Curbing, 6 in. concrete paving, etc., 5th Ave. between Carey and east city limits, to Fleming Constr. Co., 105 North Park Ave., $87,500.

Calif., Redondo Beach — Curbing, sidewalks, ornamental street lighting, and 5 in. vibrolithic concrete paving 129,464 sq.ft. El Redondo St., to O. U. Miracle, 227 Ave. D, $65,536.

Buildings—Industrial

PROPOSED WORK

Mass., Boston—MANUFACTURING—L. Jolles, 174 Lincoln St., having plans prepared by A. J. Carpenter, 1 Moss Hill Rd., Jamaica Plain, altering and constructing 5 story, 42 x 97 ft., brick addition. $50,000.

Mass., Somerville (br. Boston)—REPAIR and SERVICE GARAGE — Winter Hill Realty Co. Inc., A. Nute, pres., 383 Bway., plans 2 story, 11,000 sq.ft. floor space, rein.-con. and brick, Bond St. $100,000. Engineer and architect not selected.

Conn., Bridgeport—HIDES and TALLOW FACTORY—H. Isaacs, 226 Oak St., having plans prepared by H. Koerner, 164 State St., 2 story, 60 x 75 ft., brick and steel, Asylum St. $40,000.

Conn., Bristol—FORGE SHOP—New Departure Mfg. Co. plans enlarging present plant, Terryville Ave. $40,000.

N. J., Newark—PASTEURIZING PLANT—Sheffield Farms Co., 524 West 57th St., New York City, plans rein.-con. and brick, plain foundation, Frelinghuysen Ave. and Empire St., here. $1,000,000. Engineer and architect not selected.

O., Berea—ELECTRIC LIGHT PLANT—Village, c/o G. L. Fowles, clk., having preliminary plans prepared by G. Champe, Nasby Bldg., Toledo, electric light plant, brick and steel. $50,000.

O., Cleveland—FACTORY—Cream Cone Machine Co., J. W. Taylor, 5800 Hough Ave., pres., plans 4 story and basement, rein.-con. and brick addition. $100,000. Engineer and architect not selected.

O., Newark—FACTORY—Simpson Fdry. & Eng. Co. making plans rebuilding 1 story, 140 x 285 ft. factory, recently destroyed by fire. $60,000. Private plans.

BIDS DESIRED

Mass., Cambridge (Boston P. O.) — FACTORY—Cambridge Rubber Co., taking bids 2 story, 45 x 90 ft., rein.-con. addition, Main St. $40,000. J. R. Worcester Co., 79 Milk St., Boston, engr.

O., Sandusky — FACTORY — Frohman Chemical Co., taking bids 2 story, brick, steel and concrete addition, West Sandusky. $50,000.

Ind., Bedford—FACTORY—See "Buildings—Commercial."

Ind., Rushville—FOUNDRY—See "Contracts Awarded."

Wis., Milwaukee — ENGINE and BLOWER HOUSE — E. R. Liebert, archt., 49 Oneida St., taking bids 2 story, 52 x 70 ft., brick and concrete, plain foundation, 27th St. $40,000. Owner's name withheld. Noted Nov. 26.

Wis., Milwaukee — FACTORY — A. L. Seidenschwartz, archt., 290 3rd St., taking bids superstructure 1 story, 76 x 200 ft., brick and timber, Port Washington Rd., for Plastic Products Co., 123 Reservoir Ave. Noted Dec. 10.

Minn., Duluth—BAKERY—Jan. 9, by W. H. Gast, mgr. Purity Baking Co., 118 East 1st St., having plans prepared 3 story and basement, 50 x 140 ft., rein.-con., brick and tile, Superior St. and 24th Ave. $175,000. Engineer and architect not announced.

Tex., Texarkana — ICE PLANT — See "Contracts Awarded."

Okla., Okmulgee—REFINERY, etc.—See "Contracts Awarded."

Calif., San Francisco — FACTORY — H. H. Meyers, archt., Kohl Bldg., taking bids 1 and 2 story, rein.-con., 3rd St., for Electric Storage Battery Co., 1536 Bush St. $125,000. Noted Oct. 22.

CONTRACTS AWARDED

Mass., Malden (br. Boston) — REPAIR and SERVICE GARAGE — Andrew Investment Co., c/o C. F. Springall, archt., 50 Concord St., 2 story, 110 x 225 ft., rein.-con., 11-13 Charles St., to S. Spector, 24 York St., Dorchester. Archts. est. $100,000.

Mass., Roxbury (Boston P. O.)—REPAIR and SERVICE GARAGE — Exchange Realty Co., 829 Old South Bldg., Boston, 1 story, 90 x 262 ft., rein.-con. and brick, Washington and Westminster Sts., to Rand Constr. Co., 10 Tremont St., Boston. Archts. est. $125,000.

R. I., Pawtucket—MILL—Royal Weaving Co., J. Ott, agt., Central Ave., 2 story brick and steel, Woodbine St., to Willmarth Mackillop, Inc., Freeman St. Archts. est. $60,000.

Conn., Bristol—INDUSTRIAL—New Departure Mfg. Co., 1 story, 24 x 218 ft., addition, Center St., to Torrington Building Co., Torrington.

Conn., New Britain—PLANT—Stanley Wks., 110 x 250 ft. building for gauging rolls and annealing furnaces, also 46 x 82 ft. addition to machine shop, both brick and steel, to M. C. Tuttle, 862 Park Sq. Bldg., Boston, Mass.

Pa., Beaver Falls—FACTORY—Mayer China Co., general contract 2 story, 44 x 140 ft. addition, to Cook Anderson Co., Beaver Falls. Engrs. est. $50,000. Noted Dec. 10.

Pa., Phila. — PLANT, WAREHOUSE, etc.—I. Halpern Bros. & Co., Hancock and Berks Sts., 50 x 100 ft. smelting building, 24 x 50 ft. office, and 50 x 150 ft. warehouse, each 1 story, rein.-con., brick and steel, plain foundation, Carbon and Erie Sts., to L. Rosengarten, Otis Bldg. Noted Aug. 20.

Pa., Phila.—SHOP and STORAGE—J. Hyman & Son, Tioga and Livingston Sts., 1 story, 120 x 200 ft., rein.-con., brick and steel, plain foundation, Tioga and Almond Sts., to J. N. Gill Co., City Center Bldg. Archts. est. $75,000.

Pa., Phila.—WOOD WORKING FACTORY—R. L. Lloyd & Co., 105 North 22nd St., 1 story, 60 x 150 ft., rein.-con., brick and steel, Pembrooke Ave., to Smith Hardican Co., 1809 Callowhill St.

O., Alliance—FACTORY—Stewart Bros. Paint Co., J. S. Stewart, pres., 204 South Seneca Ave., 2 story, brick and steel, North Union Ave., to A. F. Wendling Co., Massillon, $50,000. Noted Nov. 26.

O., Cleveland — POWER STATION and PUMP HOUSE — Amer. Steel & Wire Co., Rockefeller Bldg., 1 story, 60 x 65 ft., concrete and steel, along Cuyahoga River, to J. J. Cassidy, 9718 Baltic Rd. Archts. est. about $40,000.

O., Cleveland — FACTORY and WAREHOUSE — Vitrolite Co., C. A. Myers, pres., 2907 Detroit Ave., 2 story and basement, 44 x 147 ft., brick and steel, 2909 Detroit Ave., to Mitzel-Shields Co., Rose Bldg. Archts. est. $60,000. Noted Nov. 19.

Ind., Rushville—FOUNDRY—Dill Fdry. Co., will build 1 story, 140 x 189 ft., fireproof foundry, by day labor. $50,000. Private plans. Noted Dec. 3.

Ill., Chicago — GARTER FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., masonry and carpentry contract 5 story and basement, 113 x 157 ft., rein.-con., brick and terra cotta addition. to Bulley & Andrews, 2040 West Harrison St., for Paris Garter Co., 1149 West Congress St. Noted Oct. 15.

Ill., Chicago—FACTORY—Bell & Howell Co., 1803 Larchmont Ave., general contract 6 story, 76 x 81 ft., rein.-con. and brick, 1803 Larchmont Ave., to C. Johnson, 111 West Washington St. Archts. est. $200,000.

Tex., Texarkana—ICE PLANT—Texarkana Ice Plant, c/o J. N. Myers, will build 1 story and part basement, 50 x 150 ft., rein.-con. and brick, 25 ton daily capacity, 12th and Walnut Sts., by day labor. $45,000. Private plans.

Okla., Okmulgee—REFINERY, etc.—Independent Oil & Gas Co. having preliminary plans prepared and will build addition to plant increasing daily capacity from 1,200 to 2,000 bbl., also new lubrication and wax plant, by own forces. $500,000. L. F. Silsbee, Okmulgee, engr.

Buildings—Commercial

PROPOSED WORK

N. H., Portsmouth—HOTEL—Rockingham Hotel, State St., rejected bids 5 story, 60 x 75 ft., brick and concrete addition. Will revise plans and readvertise. $150,000. J. R. Richardson, 56 Grove St., Dover, archt. Noted Nov. 12.

Mass., Belmont (br. Boston)—STORE—C. Toomey, 1138 Boylston St., Boston, having plans prepared by Haven & Hoyt, 45 Bromfield St., 2 story, brick, Leonard St. $150,000.

Mass., Boston — COURTHOUSE — Plans new court house, Allston, Bulfinch, Court and Somerset Sts. $6,450,000. Engineer and architect not selected.

Mass., Boston—HOTEL—Mark Temple Realty Co., c/o Crane & Franzheim, archts. and engrs., 345 Madison Ave., New York City, having plans prepared 12 story, brick and steel, plain foundation, Commonwealth Ave. $6,000,000.

R. I., Pawtucket—HOME—B. P. O. E., c/o O'Malley & Fitzsimmons, archts., Fanning Bldg., preparing plans Elks Home. To exceed $150,000.

Conn., Bristol — THEATRE — Colonial Theatres Inc., D. A. Peters, 102 South St., New Britain, plans 1 story and basement, 76 x 175 ft., brick and steel, 2,000 seating capacity, Main St., $200,000.

Conn., Hamden (br. New Haven)—THEATRE, OFFICE and STORE—Fishman Bros., 826 Dixwell Ave., New Haven, having plans prepared by C. H. Abramowitz, 42 Church St., New Haven, 2 story, 76 x 130 ft., brick and steel, Dixwell St., here. $150,000

Conn., Hartford — CLUB — University Club had tentative plans prepared by W. F. Brooks, Lewis and Gold Sts., new club, Lewis St. To exceed $150,000.

Conn., Hartford—HOTEL—Allyn Realty Co., R. J. Allyn, pres., Asylum St., plans 12 story brick and steel, Trumbull & Asylum Sts. $2,000,000.

Conn., Hartford — THEATRE — Allyn Realty Co., R. J. Allyn, pres., Asylum Ave., plans brick and steel, 3,000 seating capacity, Asylum St. near Ann St. $1,000,000.

Conn., Stratford—TOWN HALL—Town, C. Reed, mgr., having preliminary plans prepared by Larson & Wells, Hanover, N. H., 2 story and basement, brick and steel, Main & North Parade Sts. $200,000.

Conn., Waterbury—BANK—Dime Savings Bank, 60 North Main St., having plans prepared by York & Sawyer, 50 East 41st St., 1 story and basement, brick and limestone, North Main St. and Abbott Ave. $150,000 or more.

N. Y., New York—APARTMENT—Three Hundred and Eight West 86th St. Corp., c/o Deutsch & Schneider, engrs. and archts., 35 Maiden Lane, having plans prepared 15 story, brick, steel and stone, plain foundation, 303-307 West 86th St. $500,000.

N. Y., New York — APARTMENT — Gronenberg & Leuchtag, engrs. and archts., 450 4th Ave., preparing plans 6 story, brick, steel and stone, plain foundation, West 12th St. $300,000. Owner's name withheld.

N. Y., New York—GARAGE—G. Ringler & Co., East 92nd St., plans 6 story, 100 x 100 ft., rein.-con. and brick, plain foundation, East 91st St. $200,000. Engineer and architect not selected.

N. Y., New York—HOSPITAL—Elizabeth Hospital, 415 West 51st St., having plans prepared by O'Connor, Delahey & Schultz, engrs. and archts., 162 East 37th St., 6 story, 120 x 200 ft., brick, steel and stone, plain foundation, 190th St. and Fort Washington Ave. $800,000.

N. Y., New York—HOSPITAL—French Hospital, 450 West 34th St., plans brick, steel and stone addition, plain foundation, West 33rd St. $500,000. Engineer and architect not selected.

Buildings—Commercial (Continued)

N. Y., South Yonkers (Yonkers P. O.) — APARTMENT—M. S. Constr. Co., c/o W. Katz, archt. and engr., 6 Hudson St., Yonkers, having plans prepared brick, steel and stone, plain foundation, here. $500,000.

N. J., Jersey City—HOSPITAL—Christ Hospital, 176 Palisade Ave., having plans prepared by J. T. Rowland, engr. and archt., 100 Sip Ave., 5 story, brick, steel and stone, plain foundation. $500,000.

Pa., Phila.—OFFICE—Edelstein & Bernstein, 215 South 15th St., plans 15 story and basement, 40 x 80 ft., rein.-con., brick and steel, plain foundation, 15th and Chanceller Sts. $400,000. Engineer and architect not selected.

Pa., Pittsburgh—APARTMENT HOTEL—Fifth Ave. Apartment Corp., c/o P. Jullian, archt., 823 15th St. N. W., Wash., D. C., having plans prepared 9 story and basement, 160 x 200 ft., limestone, terra cotta, brick and rein.-con., 5th Ave. $2,000,000.

Pa., Pittsburgh — HOTEL — General Forbes Hotel Corp., 6th St. and Penn Ave., having plans prepared by Weber & Wurster, 403 Morris Bldg., Phila., altering and constructing fireproof addition to hotel. $2,000,000.

Pa., Pittsburgh — THEATRE and OFFICE—Rowland & Clark Theatre Corp., 803 State Theatre Bldg., having plans prepared by V. A. Rigamount, State Theatre Bldg., 20 story and basement, 180 x 240 ft., stone, brick and steel, 7th St., Penn and Liberty Aves. $7,000,000.

Pa., St. Marys—THEATRE and OFFICE—Jefferson Theatre Co., Punxsutawney, having plans prepared by Howard & Hatcher, Empire Bldg., Pittsburgh, 3 story and basement, 84 x 110 ft., brick theatre and office building, here. $150,000.

Tenn., Memphis—EXCHANGE—Cumberland Telephone & Telegraph Co., 197 Court Ave., making tentative plans addition to Plant 1003, and cables, etc. extending to Chelsea, Jackson, South Willett, Lamar Ave., Highland Heights, Glenview and Hollywood sections. $3,000,000.

O., Akron—THEATRE and ARCADE—Akron Arcade Realty Co., c/o Loews, Inc., 1540 Bway., New York City, plans 2,200 seating capacity theatre, 182 South Main St., here. $1,500,000.

O., Columbus—BANK and OFFICE—Buckeye State Building & Loan Co., 22 West Gay St., having sketches made by Hopkins & Dentz, 415 Lexington Ave., New York City, about 8 story and basement, 94 x 187½ ft., concrete, brick, stone and terra cotta, East Gay St. $800,000.

O., Hamilton—HOTEL—American Hotels Corp., 25 West 45th St., New York City, plans 10 story and basement, 120 x 186 ft., rein.-con. and steel hotel, here. $600,000.

Ill., Chicago—APARTMENT HOTEL—Millsfield Building Co., c/o Orenstein & Hild, archts., 222 East Ontario St., takes bids about Jan. 1, 6 story, 50 x 170 ft., rein.-con. and brick, 3933 Clarendon Ave. $400,000.

Ill., Chicago — HOSPITAL — F. Chase, Inc., archts., 720 North Michigan Ave., soon takes bids 6 story, brick and steel, Groveland Park and 33rd St., for Chicago Memorial Hospital, J. E. Wilder, pres., 1038 Crosby St., $650,000.

Ill., Chicago — HOTEL, OFFICE and STORE—M. S. Plotke, 111 West Washington St., having plans prepared by Huszagh & Hill, 6 North Michigan Ave., 16 story, 50 x 140 ft., Cass and Ontario Sts. $1,500,000.

Ill., Chicago — OFFICE and STORE — Madison Street Building Corp., c/o F. D. Chase, Inc., archts., 720 North Michigan Ave., having preliminary sketches made 16 story, 85 x 100 ft., Madison St. near Wells St. $2,000,000.

Ill., Geneva—HOTEL—O. Nelson, 520 Franklin St., having preliminary plans prepared by Mundie & Jensen, 39 South La Salle St., Chicago, 4 story and basement, 85 room, concrete and brick hotel. $200,000.

Ill., Rock Island—CITY HALL—Election in spring $250,000 bonds, rein.-con., brick, steel and stone city hall. W. A. Rosenfield, secy. to mayor.

Neb., McCook — COURT HOUSE — Red Willows Co. election Jan. 19, $250,000 bonds, for court house. M. L. Evans, Brandis Bldg., Hastings, archt.

Tex., Dallas—OFFICE—Owner, c/o J. M. McCammon, Inc., archts., 604 Southland Life Bldg., having plans prepared 24 story, basement and sub-basement, 50 x 100 ft., rein.-con. and steel, Main and Akard Sts. $1,750,000.

Tex., Houston — HOTEL — J. Finger, archt., 711 Keystone Bldg., soon takes bids 16 story and basement, 125 x 125 ft., rein.-con., brick and stone, Rusk Ave. and Fannin Sts., for San Jacinto Hotel Co., c/o N. D. Naman, 2nd Natl. Bank Bldg. $1,500,000.

Tex., San Antonio — COURTHOUSE — Bexar Co., A. McCloskey, judge, takes bids about Jan. 16, 5 story and basement, concrete, brick and stone annex, Military Plaza. $1,000,000. E. T. Jackson, Builders Exch. Bldg., and Phelps & DeWees, Gunter Bldg., archts. Noted Oct. 7.

Calif., Berkeley — THEATRE — M. T. Jorgensen, archt., 110 Sutter St., San Francisco, soon takes bids rein.-con., 1,400 seating capacity, University and San Pablo Aves., here, for Golden State Theatres Co., c/o architect. $150,000.

Calif., San Francisco — HOTEL and STORE—Hyman & Appleton, archts., 68 Post St., takes bids about Jan. 10, 6 story and basement, rein.-con., Taylor St. near Ellis St., for E. Tropp, 129 Sutter St. $185,000. Noted Oct. 22.

Calif., Santa Barbara — HOTEL — N. Calahan, c/o Sauter & Lockard, archts., Santa Barbara, having revised plans prepared 4 story and basement, rein.-con., Cota and Estado Sts. To exceed $150,000. Former bids rejected.

BIDS DESIRED

Mass., Attleboro — LODGE and THEATRE—Eagle Building Assn., c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, taking bids 4 story and basement, 112 x 240 ft., brick and steel, Bank St. $350,000.

Mass., Lynn — STORE and OFFICE — Havin & Gordon, 10 City Hall Sq., taking bids 2 story and basement, irregular, brick and stone, City Hall Sq. and Market St. $150,000. F. A. Norcross, 46 Cornhill St., Boston, archt.

Mass., New Bedford — SOCIETY — Masonic Building Assn., c/o Brown & Poole, archts., 688 Pleasant St., taking bids 2 story and basement, brick and stone society building. $150,000. Noted Aug. 20.

Mass., Quincy (Ind. br. Boston) — MASONIC—Quincy Masonic Building Assn., c/o J. W. Beals Sons Co., archts., 185 Devonshire St., Boston, taking bids 2 story and basement, 80 x 120 ft., brick and limestone, Hancock St. and Russell Park. $300,000.

N. Y., New York—APARTMENTS—See "Contracts Awarded."

Pa., Phila.—OFFICE—Jan. 4, by Zantzinger, Borie & Medary, archts., Otis Bldg., 3 story, loft and basement, 40 x 188 ft., with 40 x 144 ft. and 40 x 200 ft. wings, rein.-con., granite, sandstone or limestone, plain foundation, Parkway at Fairmount Ave., for Fidelity Municipal Life Insurance Co., 112 North Broad St. $1,500,000. W. Gravell and I. H. Francis, Otis Bldg., consult. engrs.

La., New Orleans—OFFICE—Jan. 9 (extended date), by W. E. Spink, archt., Canal Commercial Bldg., superstructure Pere Marquette Bldg., 18 story, brick and terra cotta, Baronne and Common Sts., for Chicago Syndicate, incl. E. M. Loeb, J. S. Joy, et al. Noted Dec. 10.

O., Columbus — BANK and OFFICE — Dec. 30, by Ohio State Savings Assn., 44 East Broad St., 8 to 12 story and basement, concrete, steel, stone and terra cotta, 3rd and Gay Sts. $750,000. Simons, Brittain & English, 336 4th Ave., Pittsburgh, Pa., archts. Noted May 21.

O., Lakewood (br. Cleveland)—APARTMENT — Friedlander Realty Co., c/o M. Duchon, 1077 Thornhill Dr., Cleveland, taking bids 3 story and basement, 89 x 120 ft., brick and steel, Cook Ave. and Clifton Blvd. $150,000. M. Weis, Union Bank Bldg., Cleveland, archt.

Ind., Bedford—STORE—See "Contracts Awarded."

Wis., Oshkosh — APARTMENT — See "Contracts Awarded."

Mo., St. Louis—STORE and OFFICE—Dec. 30, by Wedemeyer & Nelson, archts., Wainwright Bldg., 4 story and basement, 40 x 130 ft. brick, concrete and stone, 3117-19 South Grand Blvd., for J. E. Dickmann Real Estate Co., 823 Chestnut St. $250,000. Noted Nov. 5.

Tex., Ft. Worth — BUSINESS — W. G. Clarkson & Co., archts., 1st Natl. Bank Bldg., taking bids 3 story and basement, (ultimately 10 story), rein.-con., stone and steel, Houston and 4th Sts., for Van Zandt Jarvis, Jarvis Heights. $300,000. F. W. Woolworth, c/o C. C. Foster, dist. mgr., 2218 Fairmont St., lessee. Noted July 16.

Tex., San Angelo—HOTEL—Hotel St. Angelus, taking bids 7 story and part basement, rein.-con., brick and stone, plain foundation. $160,000. R. E. Lane, 115 North 5th St., Waco, engr. and archt. Noted Oct. 29.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

BIDS RECEIVED

D. C., Wash.—A. B. Heaton, archt., 1211 Connecticut Ave. N. W., recreation, administration and educational building for Y. W. C. A., here, from W. P. Lipscomb Co., 1406 G St. N. W., $471,000. Noted Dec. 10.

CONTRACTS AWARDED

Mass., Newton (Ind. br. Boston) STORE and OFFICE — Central Railway Signal Co., A. Marshall, Boston, in charge, 2 story and basement, 65 x 100 ft., brick and stone, Center St., here, to Dacy & Tibbetts, Lexington. Archts. est. $150,000.

R. I., Pawtucket — BUSINESS — Hall Realty Co., Broad St., 2 story and basement, 45 x 205 ft., rein.-con., brick and steel, plain foundation, to E. Haley, 32 Westminster St., Providence. Archts. est. $150,000.

N. Y., New York—APARTMENTS—F. P. French Co., 350 Madison Ave., purchased 5 acres and will build apartments, 1st and 2nd Aves. from 41st to 44th Sts. $25,000,000. Work will be done by separate contracts. Private plans.

N. Y., New York — HOTEL — D. Friedberger, 1261 Bway., 22 story, brick, steel and stone, plain foundation, East 77th St., to G. Richard Davis, 30 East 42nd St. Archts. est. $2,000,000.

N. Y., New York—OFFICE—W. Salmon, 17 West 42nd St., brick, steel and stone, plain foundation, West 43rd St., to C. T. Wills, Inc., 206 5th Ave. Archts. est. $5,000,000. Noted Dec. 3.

N. J., Woodbury—MASONIC—Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 2 story, basement and mezzanine, 44 x 110 ft., rein.-con., brick and steel, plain foundation, Broad St., here, to J. T. Allen, Woodbury, for Florence Lodge 87, F. and A. M. Archts. est. $150,000.

Pa., Phila.—BANK—D. Bassett, archt., 1520 Locust St., 3 story and basement, 24 x 120 ft., rein.-con., brick and steel, 1522 Locust St., to F. G. Stewart, 1520 Locust St. Owner's name withheld. Noted Dec. 17.

N. C., Gastonia—CITY HALL—D. L. Struthers, city mgr., 2 story and basement, 60 x 160 ft., brick and limestone, South St., general contract, to C. W. Spencer, Gastonia, total $150,000.

La., New Orleans—WAREHOUSE—Favrot & Livaudais, archts., Hibernia Bank Bldg., 4 story, rein.-con., brick and terra cotta, Camp and Capdeville Sts., to R. F. Farnsworth & Co., Canal Commercial Bldg., for E. Lilly & Co., $137,517. Noted Oct. 22.

O., Canton—THEATRE and OFFICE—H. H. Ink, Genl. Del., excavation, foundation and other concrete work, etc., for theatre and office building, 6th and Market Sts., to Garaux Bros., Massillon Rd., $75,000. Noted July 30.

O., Cincinnati—APARTMENT—Ludlow Realty Co., Provident Bank Bldg., 3 story and basement, rein.-con. and brick, plain foundation, Ludlow Ave., to Erwin & Schwartz Co., Provident Bank Bldg., $500,000. Noted Sept. 10.

O., Cincinnati — TEMPLE — Masonic Club, Emery Hotel, 8 story and basement, 196 x 267 ft., rein.-con. and brick, plain foundation, Sycamore St., to Ferro Concrete Co., 3rd and Elm Sts. $2,000,000.

O., Cleveland — COMMERCIAL and APARTMENT—Greenwick Realty Co., c/o A. Glezerman, 3391 East 134th St., 2 story, 56 x 177 ft., brick and timber, 11104 Detroit Ave., to L. Schuler, 11820 Parkhill Ave. Archts. est. $150,000. Noted Dec. 10.

Ind., Bedford — STORE, etc. — W. McMillan & Sons, will build 1 story, 135 x 615 ft., steel and stone, store and factory, by day labor. $300,000. Private plans. Noted Dec. 17.

Mich., Highland Park (br. Detroit) — HOSPITAL—Highland Park General Hospital, 2 story, 36 x 43 ft., 32 x 38 ft. and 38 x 94 ft., rein.-con., brick and steel buildings for dormitory and 2 units to hospital group, plain foundations, Glendale and Lincoln Aves., to Davis, McGonigle Co., Buhl Bldg., Detroit. Archts. est. $175,000. Noted Oct. 29.

Ill., Chicago — APARTMENT — C. F. Henry, 7455 Greenview Ave., masonry and concrete contract 16 story, 60 x 209½ ft., brick, steel and stone, Delaware Pl. and Seneca Sts., to McLennan Constr. Co., 307 North Michigan Ave. Archts. est. $2,000,000. Noted Oct. 15.

Ill., Chicago — THEATRE, STORE and APARTMENT — Lawndale Theatre Corp., 822 West 70th St., general contract 6 story, 117 x 214½ ft., brick and terra cotta, Komensky Ave. and Roosevelt Rd., to R. Levine & Co., 822 West 70th St. Archts. est. $2,225,000.

Ill., Oak Park — HOTEL — Oak Manor Hotel, c/o Orenstein & Hill, archts., 222 East Ontario St., masonry, concrete and tile contract 5 story, 70 x 150 ft., rein.-con. and brick hotel, Oak Park Ave. near Ontario St., to H. Janisch & Co., 1813 Winona St., Chicago; steel work, to Atlas Iron Wks. Corp., 351 West 59th St., Chicago.

Wis., Oshkosh—APARTMENT—W. Rasmussen, foot 7th St., will build 3 story and basement, 110 x 135 ft., rein.-con. and brick, plain foundation, by day labor. $175,000.

Buildings—Commercial (Continued)

R. B. Williamson, 405 Bway., Milwaukee, archt. Noted Dec. 17.

Ia., Emmetsburg—HOTEL—Sawyer & Watrous, archts., 401 Southern Surety Bldg., Des Moines, 3 story and basement, 92 x 112 ft., rein.-con. and stone, to W. F. Parks, Storm Lake. Archts. est. $180,000.

Tex., Corsicana — JAIL — Navarro Co., c/o W. Hicks, judge, 3 story, rein.-con., brick and stone, to Wash & Burney, 928 North Flores St., San Antonio, about $125,000. Noted Sept. 10.

Colo., Denver—CLUB—Denver Athletic Club, 1325 Glenarm St., general contract 5 story, 57 x 100 ft., Glenarm St. between 13th and 14th Sts., to Kirchof Constr. Co., 700 Lawrence St., $199,687. Noted Apr. 23.

Calif., Blairsden—HOTEL—Van Noy Interstate Co., 292 2nd St., San Francisco, 2 story, timber hotel, Feather River front, here, to Campbell Constr. Co., Nicolaus Bldg., Sacramento, Calif., approximately $200,000. Noted Oct. 29.

Calif., Long Beach — CLUB — P. O. Wright & F. H. Gentry, archts., 316 Marine Bank Bldg., 3 story and basement, 100 x 150 ft., steel and rein.-con., for Scottish Rite Masonic Temple Assn., general contract, to J. D. Sherer & Son, 1885 Anaheim St., $200,000.

Calif., Los Angeles—APARTMENT—E. G. Niemann Investments, Inc., 5656 Hollywood Blvd., 5 story and basement, 80 x 200 ft., brick, Hayworth Ave. near Fountain Ave., to A. C. LeBrun & Co., 5656 Hollywood Blvd. $250,000. Noted Oct. 1.

Calif., Los Angeles—APARTMENT—B. Blackburn, 4 story and basement, 67 x 145 ft., timber, 1805 Wilcox Ave., general contract, to Whiting, Boynton & Potts, 1120 Central Bldg., $175,000.

Calif., Los Angeles — APARTMENT — Globe Investment Co., 5562 Hollywood Blvd., will build 3 story and basement, 48 x 150 ft., brick, North Normandie Ave., by day labor. $150,000.

Calif., Napa—HOTEL—Hotel Building Corp. of Napa, 5 or 6 story, steel, brick or rein.-con., to Davis, Heller, Pearce Co., Inc., Weber and California Sts., Stockton. Archts. est. $225,000. Noted July 23.

Calif., Oakland — APARTMENT — B. Gregorieo, 607 Amer. Bldg., 3 story and basement, rein.-con., 12th and Filbert Sts., to E. Field, Amer. Bank Bldg., Oakland, $155,000.

Calif., Pasadena — LODGE — Pasadena Lodge 272, Free and Accepted Masons, 3 story and basement, South Euclid Ave., general contract, to J. H. Simpson, 548 South Raymond Ave., $143,500. Noted Dec. 10.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Boston — COLLEGE — Rabbinical College, Inc., c/o J. A. Tuck, archt., 439 Park Sq. Bldg., having preliminary sketches made 3 story, 80 x 100 ft., brick and limestone college. $200,000.

Mass., Hyde Park (Boston P. O.) — SCHOOL—City, Schoolhouse Dept., Boston, plans 2 story and basement, brick, Sunnyside St., here. $150,000. Engineer and architect not selected.

Mass., Lowell—CHURCH—St. Jean De Arc Church having plans prepared by W. F. Fontaine, 285 Main St., Woonsocket, for church. $150,000.

Mass., Melrose (Ind. br. Boston)—HIGH SCHOOL—C. R. Greco, archt., 11 Beacon St., Boston, making sketches Junior High School, 2 story and basement, brick and stone, Winthrop School Dist., here, for Bd. Educ. $200,000.

Mass., Newton (Ind. br. Boston) — ACADEMY — Boston Academy of Sacred Heart Mother Alice Power, 262 Commonwealth Ave., Boston, plans 3 story academy, Centre and Cabot Sts. $150,000 or more. Engineer and architect not selected.

Mass., Southbridge — CHURCH — Sacred Heart Parish, V. Epinard, pastor, having plans prepared by L. Destremps, 49 Borden Blk., Fall River, 1 and 2 story, brick and stone, Charlton St. $150,000.

Mass., Winchester—SCHOOL—Town, J. Quinn, supt. schools, plans 2 story, brick school. $200,000 or more. Engineer and architect not selected.

Conn., Bridgeport—CHURCH—St. George Episcopal Church, H. E. Kelley, pastor, 755 Clinton St., having plans prepared by E. B. Caldwell, Jr., 886 Main St., 1 story, 45 x 110 ft., stone, Clinton and Beechwood Aves. $150,000. Noted Nov. 12.

Conn., Stamford—SCHOOL—City, C. H. Martin, school com., having revised plans prepared by Butler & Provost, 292 Main St., and soon takes bids 2 story and basement, brick and steel, Woodland Ave. $250,000. Former bids rejected. Noted Dec. 3.

Conn., West Hartford (br. Hartford)—SCHOOL — Town, L. H. Bugbee, supt. schools, plans school, North Main St. and Albany Ave. $150,000. Engineer and architect not selected.

N. J., Cliffside Park (mail Cliffside) — HIGH SCHOOL—Bd. Educ., Cliffside, soon takes bids brick, steel and stone, plain foundation, Palisade Ave., here. $325,000. E. Sibley, Bluff Rd., Palisade, archt.

N. J., Montclair—SCHOOL—Bd. Educ., 22 Valley Rd., rejected bids Dec. 7, for new Bedford School, brick, steel and stone, plain foundation. Will readvertise. Starrett & Van Vleck, 393 7th Ave., New York City, archts. Noted Nov. 19.

Pa., Erie — SCHOOL — Bd. Educ., R. S. Scobell, bus. mgr., having plans prepared by W. W. Meyers, Library Bldg., 2 story and basement, 18 class room, concrete, brick and steel addition to Wayne School. $300,000. Mayer & Valentine, Plymouth Bldg., Cleveland, O., mechanical engr.

Pa., Williamsport—CHURCH—Bethany Presbyterian Church, W. C. Watson, pastor, Green and High Sts., plans 2 story, 90 x 120 ft., stone church, etc., Louisa St. $150,000.

Fla., Lake City — SCHOOL, etc. — Columbia Co. Bd. Pub. Instruction election soon $175,000 bonds, for school and primary building. Edwards & Sayward, 101 Marietta St., Atlanta, Ga., archts.

Fla., St. Petersburg—SCHOOL—Pinellas Co. (Clearwater) election Jan. 12, $1,800,000 bonds, for schools. R. S. Blanton, supt. Public Instruction.

O., Shaker Heights (Cleveland P. O.) — SCHOOLS — Bd. Educ., J. W. Main, clk., having plans prepared by Howell & Thomas, 4500 Euclid Ave., Cleveland, 3 story and basement high school, South Woodand St. and Woodbury Rd., $700,000; by C. S. Schneider, 2258 Euclid Ave., Cleveland, two 2 story and basement grade schools, one Southington and Ludlow Rds., and other Dorchester and Fernway Rds., $200,000 each, all concrete, brick and steel. Noted Sept. 3.

Kan., Emporia — MUSIC HALL — State Teachers College had plans prepared by C. D. Cuthbert, State House, Topeka, and takes bids about Jan. 10, 3 story and basement, 112 x 135 ft., brick and stone music hall. $150,000.

Mo., University (Sta. St. Louis) — SCHOOLS—Voted $470,000 bonds, addition to Pershing, Flynn Park and high schools, for Bd. Educ. Noted Dec. 10.

Tex., Ft. Worth—SCHOOL—W. G. Clarkson, consult. archt., 1st Natl. Bank Bldg., and J. R. Pelich & O. H. Atkinson, associated archts., W. T. Waggoner Bldg., preparing plans and soon take bids Carroll Peak School, 2 story and basement, 62 x 258 ft., rein.-con., brick and stone, for Bd. Educ., c/o M. H. Moore, supt., 921 Jennings Ave. $170,000.

Tex., Sam Fordyce — SCHOOL — Voted $360,000 bonds new school, for Tobasco Independent School Dist., c/o N. L. Reyna, secy. Bd. Educ.

Okla., Tulsa — HIGH SCHOOL — Bd. Educ. takes bids about Dec. 20, Junior High School, 2 story and basement, 116 x 214 ft., rein.-con., brick and stone. $225,000. Gillham, Cook & White, 409 Interstate Bldg., Kansas City, Mo., mechanical engrs. L. I. Shumway, 725 New Wright Bldg., archt. Noted Nov. 19.

Calif., Huntington Beach — ADMINISTRATION — Trustees Huntington High School Dist., soon take bids, fireproof administration, auditorium, classroom and domestic science buildings. To exceed $300,000. Allison & Allison, Hibernian Bldg., Los Angeles, archts. Noted July 2.

Que., Three Rivers — SCHOOL — School Comn. soon takes bids for school. $300,000.

BIDS DESIRED

Mass., Winchester—PARISH HOUSE and CHAPEL — First Congregational Church taking bids 2 story and basement, 73 x 121 ft., granite and stucco, plain foundation, Church St. $160,000. R. Coit, 9 Park St., Boston, archt.

Mass., Worcester—CHURCH—St. Joseph Church, A. Allard, pastor, refiguring bids 2 story and basement, 75 x 190 ft., brick and steel, Hamilton St. $200,000. O. E. Nault, 48 Hamilton St., archt.

Conn., Danielson—HIGH SCHOOL—Dec. 29, by Town, F. A. Jacobs, on com., two 2 story and basement, 50 x 91 ft., brick and steel wing to Killingly High School. $150,000. Sellew & Towner, 363 Main St., Middletown, archt. Noted Nov. 12.

N. Y., Bayside (Ind. Sta. Flushing) — SCHOOL—Jan. 6, by W. H. Gompert, supt. Schools, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 41, 35th Ave. from 214th Pl. to 214th Lane, here, for Bd. Educ., 500 Park Ave., New York City.

Pa., Pittsburgh—HIGH SCHOOL—Dec. 24, by Roman Catholic Diocese of Pittsburgh, c/o H. C. Boyle, pastor, 5th Ave. and Craig St., Boys High School, 4 story and basement, 64 x 234 ft., brick and steel, 5th Ave. and Boundary St. $500,000. E. J. Weber & A. F. Link, North Craig St., archts. Noted Aug. 27.

D. C., Wash.—HIGH SCHOOL—Jan. 5, by Dist. Comrs., constructing John R. Francis Junior High School. Noted Dec. 10.

Fla., Ft. Meyers—SCHOOL—Jan. 6, by Bd. Pub. Instruction, Lee Co., for West Ft. Meyers School. C. W. Bartleson, chn.

O., Cincinnati—SYNAGOGUE—Jan. 1, by O. Schwartz, archt., Provident Bank Bldg., 1 story and basement, 90 x 140 ft., rein.-con., brick, stone and steel, plain foundation, Reading Rd., for Avondale Synagogue, Reading Rd. $375,000.

Wis., Milwaukee — JUNIOR HIGH SCHOOL — Dec. 30, by Bd. Educ., 10th and Prairie Sts., F. M. Harbach, secy., 3 story and basement, 160 x 170 ft. school and 40 x 50 ft. boiler house, concrete and brick, plain foundation, 38th and Concordia Sts. $400,000. G. E. Wiley, c/o Bd. Educ., archt. Noted Oct. 22.

Okla., Tulsa—SUNDAY SCHOOL—Jan. 4, by R. W. Anderson, pastor First Baptist Congregation, 2 story, 90 x 140 ft., rein.-con., brick, stone and steel, South Cincinnati St. $175,000. C. H. Woodruff, 400 Reynolds Bldg., Fort Worth, Tex., archt. Noted Dec. 10.

BIDS RECEIVED

Pa., Pittsburgh—SCHOOL—Bd. Educ., Fulton Bldg., 2 and 3 story and basement teachers training school, 5th Ave. and Bouquet St., from J. G. Fullman Co., E. E. Trust Bldg., $578,000.

O., Cleveland — SCHOOL — Bd. Educ., F. G. Hogen, dir., 2 story and basement, 72 x 170 ft., concrete, brick and steel addition, Howard Ave., Item 1, masonry, from F. Kitzer, 16808 Madison Ave., Lakewood, $79,840, Items 2, 9, carpentry, roofing, sheet metal, plastering, structural steel, marble, tile and painting, from J. Moore Co., Union Mortgage Bldg., $81,636, Items 1 to 9 (inclusive) from W. Moore Co., 1276 West 4th St., $168,885. Noted Dec. 3.

O., Vermilion — HIGH SCHOOL — Bd. Educ., C. A. Trinter, clk., 2 story and basement, 115 x 140 ft., brick, steel and concrete high school, from Longnecker Constr. Co., Greenville, $95,780. Noted Oct. 1.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., general contract 2 story and basement, 200 x 200 ft., rein.-con., brick and steel, Cicotte Ave., from Rosewarne, McNab & Worswick, 333 State St., $267,000; heating, etc., from J. W. Partlan, 13900 Goddard Ave., $77,400. Noted Nov. 26.

Mich., Highland Park (br. Detroit) — SCHOOL—Bd. Educ., 3 story, 100 x 200 ft., rein.-con., brick and steel, plain foundation, Buena Vista Ave., from Martin-Krausman Co., 955 East Jefferson Ave., Detroit, $255,950. Noted Nov. 26.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., 2 story, 100 x 263 ft. science building and 1 and 2 story, 60 x 179 ft. shop, brick, John C. Fremont High School site, general contract, from Salih Bros., Detwiler Bldg., $134,825. Noted Dec. 3.

CONTRACTS AWARDED

Conn., Storrs — DORMITORY — State Agricultural College, C. L. Beach, pres., 3 story mens dormitory, brick, to H. Wales Lines Co., State St., Meriden, $146,437. Noted Dec. 3.

N. J., Princeton — CHAPEL — Princeton University, 1 story, 114 x 277 ft., brick, steel and stone, plain foundation, to Matthews Constr. Co., 285 Madison Ave., Phila., Pa. Archts. est. $1,500,000. Noted Oct. 22.

O., Mansfield — HIGH SCHOOL — Bd. Educ., completing interior 3 story and basement high school, to Boldt Constr. Co., 1969 East 70th St., Cleveland, $143,200. Noted Nov. 12.

O., Youngstown—HIGH SCHOOL—Bd. Educ., general contract Bancroft School, 2 story and basement, 20 room, brick, steel and concrete, to Louis Adaviso & Co., 939 West Federal St., $200,000.

Ill., Urbana—CHURCH—St. John The Divine Episcopal Congregation, c/o J. White, bishop, Springfield, 2 story, 45 x 130 ft., concrete, brick and stone, Wright and Armory Sts., here, to English Bros., Champaign. Archts. est. $250,000.

Calif., Covina — SCHOOL — California Preparatory School for Boys, 1 and 2 story, rein.-con. and hollow tile school, administration, hospital, dining hall, service garage, etc., to H. E. Tabor, 1350 East Orange Grove Ave., Pasadena, approximately $210,000. Noted Nov. 26.

Federal Government Work

PROPOSED WORK

Fla., Pensacola—Fuel Storage—Spec. 5107—Bureau Yards & Docks, Navy Dept., Wash., D. C. plans fuel storage, 1,500,000 and two 90,000 gal. steel tanks, with floating deck, pumphouses, pumps, etc., at Naval Air Station, here. L. E. Gregory, ch. of bureau.

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 9 Main St., San Francisco, making plans grading and concrete paving 16 mi. Covelo-Low Gap Natl. Forest Highway, Mendocino Co.

Calif., San Diego—Water Meter, etc.—Spec. 5165—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans water meter, tank equipment, etc. for Naval Operating Base (Marine Corps Base), here. L. E. Gregory, ch. of bureau.

BIDS DESIRED

Ky., Louisville—Dam—Feb. 1, by U. S. Engineer Office, P. O. Box 72, constructing Sects. A and B, Dam 41, in Ohio River; adv. E. N.-R. Dec. 24.

Ky., Louisville—Piling—Dec. 28, by U. S. Engineer Office, P. O. Box 72, 6,800,000 lb. steel sheet piling, for Dams 46, 50, 52 and 53, in Ohio River.

Ky., Louisville—Scows—Jan. 19, by U. S. Engineer Office, Box 72, 2 steel dump scows; adv. E. N.-R. Dec. 24.

BIDS RECEIVED

Wyoming—Bridge—J. W. Johnson, dist. engr. Bureau Pub. Roads, Dept. Agriculture, 301 Custom House Bldg., Denver, Colo., improving Jackson Park Highway Natl. Forest Road Project, Sect. 2 (bridge), in Teton Natl. Forest, here, from Monarch Eng. Co., West Colfax and Larimer Sts., Denver, Colo., $41,950. Noted Nov. 26.

Cuba, Guantanamo—Deck and Roof—Spec. 5150—Bureau Yards & Docks, Navy Dept., Wash., D. C., Dec. 16, floating steel deck and alterations to roof of steel gasoline storage tank, at Navy Station, Guantanamo Bay, here, from Columbian Steel Tank Co., 1605 West 12th St., Kansas City, Mo., $4,337. Noted Nov. 26.

CONTRACTS AWARDED

Md., Perry Point—Kitchen and Mess Building, etc.—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., general contract kitchen and mess building at U. S. Veterans Hospital, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $183,700; refrigeration, to Frick Co., Inc., West Main St., Waynesboro, Pa., $18,420; and electric freight elevator, to Otis Elevator Co., 810 18th St., N. W., $2,885. Grand total $205,005. Noted Sept. 24.

D. C., Wash.—Research Laboratory—Spec. 5098—Bureau Yards & Docks, Navy Dept., rein.-con. research annex at Naval Research Laboratory (Bellevue), to Virginia Eng. Co., Newport News, Va., $64,989 (240 days).

Tex., Galveston—Dredging—U. S. Engineer Office, Dredging Sabine-Neches Waterway, to Atlantic, Gulf & Pacific Dredging Co., Scanlon Bldg., Houston, $391,680. Noted Dec. 17.

Tex., Galveston—Dredging—U. S. Engineer Office, dredging channel between Port Aransas and Corpus Christi, to United Dredging Co., 323 Security Bldg., $237,123. Noted Dec. 17.

Calif., Palo Alto—Water Softening Plant—U. S. Veterans Bureau, Wash., D. C., water softening plant, for U. S. Veterans Hospital 24, here, to Permutit Co., 440 4th Ave., New York City, N. Y., $15,680. Noted Nov. 26.

Unclassified

PROPOSED WORK

Pier—Charlestown (Sta. Boston), **Mass.**—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Race Track, etc.—Middleboro, Mass.—Middleboro Agricultural Society, plans ⅜ mi. track, 50 ft. horse sheds, etc. To exceed $25,000. Private plans.

Lighting System — Kissimmee, Fla.—Election Jan. 2 (extended date), $30,000 bonds, repairing and extending electric lighting system. Noted Nov. 19.

Parks, etc. — Lake Charles, La.—"See Excavation, Drainage, Irrigation, Levees, River and Harbor."

Lighting System — Clarksville, Tenn.—City and property owners plan "White Way" lighting system for business section. $25,000. S. R. Alexander, city engr.

Telephone Lines, etc.—Memphis, Tenn.—See "Buildings—Commercial."

Electric Transmission Line—Ohio—Salem Lighting Co., Salem, plans transmission line from Salem to Boardman (mail Poland). $175,000.

Swimming Pool, etc.—Turtle Creek (Ind. br. East Pittsburgh), **Pa.**—Burke Bros., 433 Liberty Ave., Pittsburgh, having plans prepared by R. M. Marlier, 1001 Empire Bldg., Pittsburgh, 100 x 600 ft., rein.-con. swimming pool, incl. 1 story, 50 x 400 ft. shelter and filtration building, Monroeville, near here. $50,000. S. and J. F. Lynch Eng. Co., West Haven, Conn., engrs.

Swimming Pool—Norfolk, Neb.—Y. M. C. A. plans 25 x 75 ft. swimming pool.

Pile and Timber Incline—Helena, Ark.—See "Buildings—Commercial."

Transmission Line—Crystal City, Tex.—Crystal City Electric Light & Ice Co., plans high power transmission line from here to River Spur. $30,000. Work may be done by day labor.

Swimming Pools—Ft. Worth, Tex.—City, Recreation Bd., c/o R. D. Evans, City Hall, chn., plans swimming pool at North Ft. Worth, $25,000; also one at South East Ft. Worth, $35,000. Glasgow & Langley, 1st Natl. Bank, archts.

Subway—San Antonio, Tex.—City and International-Great Northern Ry., Union Sta., Houston, C. S. Kirkpatrick, ch. engr., plna subway under railroad tracks, on West Commerce St. $65,000 or more. I. Ewig, city engr.

Transmission Line — California—Great Western Power Co. of California, 530 Bush St., San Francisco, plans approximately 22 mi. transmission line from San Francisco to points in San Mateo Co. Private plans.

Ornamental Lighting System—Huntington Beach, Calif.—See "Streets and Roads."

Wharves and Docks—Long Beach, Calif.—Plans wharves and docks. $500,000. R. G. McGlone, supt. Harbor Constr.

Ornamental Lighting System—Los Angeles, Calif.—Plans metal standards on portions of Thayer Ave., etc., $50,000; Marbelite standards on portions of Soto and 1st Sts. $25,000, Adams St. between Nevin Ave. and Alameda St. $25,000, Jefferson St. between Central Ave. and Alameda St. $25,000, and York Blvd., etc. $40,000.

Wharf—Monterey, Calif.—Voted $262,000 bonds, for wharf. F. B. Smith, 58 Sutter St., San Francisco, engr. Noted Oct. 29.

Subway—St. Lamberts, Que.—City Council soon takes bids subway under railroad tracks. $45,000.

BIDS DESIRED

Borings—New York, N. Y.—Jan. 4, by Bd. Transportation, J. A. Delaney, chn., 49 Lafayette St., making land and river borings South St., Manhattan Boro, East River from Fulton St., Manhattan to Cranberry St., Brooklyn, Route 101, A-1, Agreement "EH."

Entrance and Lamp Standards — New York, N. Y.—Jan. 4, by Bd. Transportation, J. A. Delaney, chn., 49 Lafayette St., additional entrance stairway at Burnside Ave. Station, and lamp standards for Bedford Park Blvd. Station Jerome Ave. Elevated Route of Bronx Boro, Agreement "EA."

Stairway—New York, N. Y.—Jan. 4, by Bd. Transportation, J. A. Delaney, chn., 49 Lafayette St., additional stairway, 86th St. Station, Manhattan-Bronx Rapid Transit R.R.

Subway—New York, N. Y.—Dec. 31, by Bd. Transportation, J. A. Delaney, chn., 49 Lafayette St., subway, Sect. 2, Route 102, under 8th Ave. from West 18th to West 28th Sts.

Foundation—Cleveland, O.—Dec. 31, by Cleveland Union Terminal Co., c/o O. P. and M. J. Van Sweringen, Marshall Bldg., foundation for center tower for Union Depot, approximately 100 x 100 ft. and 100 ft. deep, Public Sq. To exceed $500,000. H. D. Jouett, Ulmer Bldg., engr.

Retaining Wall — Cedar Rapids, Ia.—Jan. 19, by City Council at office L. J. Storey, city clk., City Hall, rein.-con. retaining wall along channel lines of island to 1st Ave. Bridge. J. F. Ball, mayor; adv. E. N.-R. Dec. 24.

BIDS RECEIVED

Bulkhead—New York, N. Y.—Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., Dec. 17, concrete bulkhead along easterly boundary public driveway between 193rd and 198th Sts., from Ascher Eng. & Constr. Co., 51 West 66th St., $91,808. Noted Dec. 10.

Cable — New York, N. Y.—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., Dec. 15, 3 conductor, lead covered cables in 2 tunnels and in ventilating buildings, from Standard Underground Cable Co., 50 Church St., $130,670. Noted Nov. 19.

Deck Scows—New York—R. K. Fuller, comr. Canals & Waterways, Albany, Dec. 16 steel flat deck scows, delivered at various locations along canal system, from Midland Barge Co., Midland, Pa., $154,000.

Special Work—New York, N. Y.—Transportation, 49 Lafayette St., J. Delaney, chn., Dec. 18, special work (crossings, switches, etc.) for use in construction portion Corona Yards, from Bethlehem Steel Co., 25 Bway., $26,975. Noted Dec. 10.

Ventilating Buildings—New Jersey—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, Dec. 15, two 5 story, ventilating buildings for Holland Tunnel, here, Contr. 4, from Riso Bros., Inc., 415 Hackensack Plank Rd., West Hoboken, (unofficial) $1,577,000. Noted Dec. 3.

Ala., Mobile—Alabama State Docks Comn., State Office Bldg., 1,600 ft. concrete apron wharf, 260 ft., at Pier 2, from Doullet & Ewin, Queen & Crescent Bldg., New Orleans, La., $1,138,588. Noted Oct. 22.

Street Lighting System—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, Dec. 15, 9,367 rein.-con. lighting standards complete, 1,250,000 ft. trenching and backfill, 2,000,000 ft. No. 8 steel taped and 100,000 ft. primary 5,000 volt lead covered cable, etc., from A. M. Ryckoff, 527 Chemical Bldg., $1,229,777. Noted Nov. 19.

CONTRACTS AWARDED

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway, Sect. 3, Route 102, extending under and along 8th Ave. West 28th to West 37th Sts., to Rosoff Subway Constr. Co., 133 Madison Ave., $5,886,506. Noted Dec. 17.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing subway, Sect. 2, Route 105, along and under Bway. from Cummings to West 211th Sts., to S. B. Mason, Inc., 7 West 60th St., $3,537,000. Noted Dec. 3.

Vehicular Tunnel — Pittsburgh, Pa.—Comrs. Allegheny Co., Court House, vehicular tunnel and approaches on 2nd Ave. between 10th and Forbes Sts., to Booth & Flinn, Ltd., Canal and West Sts., New York City, $1,094,776. Noted Dec. 3.

Foundation, etc.—Canton, O.—See "Buildings—Commercial."

Grade Separation—Michigan—State Hy. Dept., at office Comrs. Monroe Co., Monroe, fabrication and structural steel grade separation, Federal Aid Bridge 5813001, to State Construction Forces, Lansing, $33,813.

Culverts — Leavenworth, Kan.—See "Streets and Roads."

Grand Stand, etc. — St. Louis, Mo.—Dodier Realty Investment Co., 2906 North Spring Ave., general contract altering 2nd deck and constructing 4 rein.-con. and steel covered wings to grand stand, etc., to Steininger Constr. Co., Laclede Gas Bldg., under supervision of Osborn Eng. Co., Euclid Bldg., Cleveland, O. $1,500,000.

Whiteway and Lighting System—Palestine, Tex.—Rebuilding whiteway and lighting system in downtown district, to Texas Power & Light Co., 71 Bway., New York City, approximately $40,000.

Gas Holder—Oakland, Calif.—Pacific Gas & Electric Co., 245 Market St., San Francisco, 10,000,000 cu.ft. gas holder, to Bartlett-Hayward, 200 Scott St., Baltimore, Md., $600,000.

Materials

BIDS DESIRED

Lumber, etc.—New York, N. Y.—Dec. 29, by J. E. Bowe, comr. Purchase, Municipal Bldg., lumber, piles and paving blocks, for Fire & Police Depts., Depts. Correction, Health, Plant & Structures, Water Supply, Gas & Electricity, and Parks.

Portland Cement—Wisconsin—Dec. 29, by State Hy. Dept., Madison, 890,000 bbl. Portland cement for highway and bridges, etc., during 1926. J. T. Donaghey, Madison, engr.

BIDS RECEIVED

Broken Stone, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Dec. 17, 29,000 cu.yd. broken stone and 14,000 cu.yd. sand from Pease Bros., Inc., 15 Lawrence St., Flushing, $82,070 and $22,400 respectively; 1,690 tons asphalt cement, from Standard Oil Co., 26 Bway., New York City, $33,292; and 150,000 gal. fuel oil, from Warner Quinlan Corp., 79 Wall St., New York City, $8,505. Noted Dec. 10.

CONSTRUCTION NEWS

Engineering News-Record, Dec. 31, 1925

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Spring Lake—D. H. Hills, mayor, Council Chamber, rejected bids Dec. 7, cross compound steam, 2 stage, air compressor, etc. Will readvertise. J. L. Sweigard, 1120 Lincoln Bldg., Phila., Pa., engr. Noted Nov. 26.

W. Va., Wheeling—H. L. Kirk, city mgr., soon takes bids mains in 6th, 11th and 12th Wards. $60,000. H. Arbenz, city engr.

N. C., Ashville—City retained J. L. Ludlow, engr., Winston-Salem, to make a study and report on 2 mountain gravity water supplies of 25 or 30 m.g. per day, one in Pisgah Mountain section and other in Great Craggy Range. This corrects report in Dec. 24 issue, under Winston-Salem.

La., Maringouin—Election Dec. 29, $20,000 bonds, complete waterworks and distribution system.

O., Berea—Making preliminary plans and takes bids in spring addition to filter house and 800,000 gal. pumping unit. $75,000. G. Champe, Nasby Bldg., Toledo, engr.

O., Vermilion — Making plans filtration plant. $25,000. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

Wis., Gillett—P. Nygaard, village clk., plans election in spring, bonds to exceed $15,000, waterworks, incl. deep well, pumping station, reservoir, elevated tank, etc. McMahon & Clark, Menasha, engrs.

Ia., Emerson—Making plans waterworks. $20,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Neb., Rushville—Plans election $17,000 bonds, waterworks extension.

Mo., Charleston—Election Jan. 12, $51,000 bonds, complete waterworks and distribution system. F. L. Wilcox, 924 Chemical Bldg., St. Louis, engr. Noted July 16.

Mo., Crane—Voted $52,000 bonds, waterworks and distribution system. Russell & Axon, McDaniels Bldg., Springfield, engrs. Noted Dec. 10.

Ore., Medford — Bd. Water Comn. takes bids about Feb. 1, new water system, incl. 38 mi. steel mains and 3,500 to 4,000 steel plates. $1,000,000. Address City Engineer. Noted Oct. 29.

Calif., Garden Grove—Plans election $25,000 or more bonds, new pumping plant, fire hydrants, etc.

BIDS DESIRED

N. C., Kinston — Jan. 15, by W. A. Mitchell, mayor, sinking 1 or 2 wells, etc. Noted Dec. 17.

Fla., Ft. Lauderdale—Jan. 15, by Mayor and Bd. Comrs. at office B. J. Horne city mgr., 3 mi. 6- to 16-in. c.i. pipe, valves, hydrants, etc. Solomon & Keis, Ft. Lauderdale, engrs.; adv. E. N.-R. Dec. 31.

La., Lake Charles — See "Contracts Awarded."

Ill., Lebanon—Jan. 5, by City Clerk for Bd. Local Impvts., 34,600 ft. 4- to 6-in. c.i. pipe, 45 fire hydrants, eight 8 in. twenty-two 4 in. and twenty-two 6 in. gate valves with boxes, fittings, etc. Caldwell Eng. Co., Jacksonville, engrs.

Wis., Menasha—Jan. 5, by J. F. De Caro, city clk., 1,884 ft. 6 in., 430 ft. 8 in. and 126 ft. 4 in. Class "C" water pipe, 5 hydrants, one 8 in. gate valve, etc., for Water Dept. To exceed $15,000.

BIDS RECEIVED

Tex., Frost—W. Smith, mayor, Dec. 9, waterworks distributing system, from N. A. Eaigh Co., c/o Builders Exch. Bldg., San Antonio, $28,488. Noted Dec. 3.

Tex., Port Arthur—City, c/o J. P. Logan, mayor, structure work for filtration plant, from Cope & Fisher, Decatur, Ill., $182,000; pumps and electrical equipment for plant, from Chalmers Mfg. Co., New Orleans, La., $14,375; filter equipment for plant, from Roberts Filter Mfg. Co., Darby, Pa., $28,770. Noted Dec. 3.

CONTRACTS AWARDED

La., Lake Charles — Louisiana Electric Co., Inc., will build 1 m.g. rein.-con. reservoir, and brick and concrete filtration plant. Work will be done by own forces.

Mo., Buffalo—E. C. Miller, city clk., deep well, to J. E. George, Buffalo, $1,800; 22 hydrants and 39 gate valves, to H. Cooper Supply Co., Springfield, $1,800; 24,798 ft. 2- to 8-in. pipe, to Central Fdry. Co., Jefferson Co. Bank Bldg., Birmingham, Ala., $15,000. Grand total $18,600. Noted Dec. 10.

Sewers

PROPOSED WORK

Tenn., Nashville—Voted $1,000,000 bonds, trunk and sanitary sewers in various streets. H. E. Howse, mayor. Noted Nov. 12.

O., Berea—Plans sewage plant and sewer lines in various streets. $100,000. M. Knowles, Hanna Bldg., Cleveland, engr.

O., Cincinnati—Hamilton Co. plans 29,327 ft. 6- to 15-in. vitr. clay sewers, incl. pumping station, equipment, etc., in Beechwood and Edgemont Subdivisions. $108,205. L. C. Boyatt, Court House, engr.

Ill., Mount Olive — Making preliminary plans sanitary sewers, etc., in Dist. 2. $88,500.

Ia., Oelwein—Takes bids about Feb. 1, 100 x 150 ft. trickle bed type sewage disposal plant, incl. piping. $35,000-$60,000. T. N. Carnell, mayor.

Mo., Charleston—Election Jan. 12, $30,000 bonds, complete sanitary sewerage system. F. L. Wilcox, 924 Chemical Bldg., St. Louis, engr.

Tex., Alice—Making preliminary surveys sewerage system. $50,000. J. H. Briggs, Alice, engr.

Tex., Brady — Making plans complete sewerage system. $100,000 bond issue available. E. A. Burrows, city engr. Nagle, Witt & Rollins, Santa Fe Bldg., Dallas, consult. engrs.

Okla., Oklahoma City — Voted $950,000 bonds, 2 new sewage disposal plants and 3 mi. outfall sewers in various streets. B. M. Hart, City Hall, engr. Noted Aug. 27.

Calif., Lakeport—Making plans improving and extending sewerage system. $25,000 or more.

Calif., Orcutt — Orcutt Sanitary Dist. voted $31,000 bonds, sewerage system. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engr. Noted Dec. 10.

Calif., San Carlos — City Trustees postponed bids which were to be opened Dec. 14, 1½ mi. vitr. or concrete outfall sewer in various streets. G. A. Kneese, Courthouse, Redwood City, engr. Will advertise later. Noted Dec. 3.

B. C., Vancouver — Plans sewers in various streets. $250,000. C. Brackenridge, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Jan. 6, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewer in Rutland Rd. and East 18th St.

N. Y., Long Island City—Jan. 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., storm sewer in Metropolitan Ave.; combined sewer in Woodward Ave.; sewers in Ericson St., North Conduit and 133rd (Blake) Aves.

Fla., Lake Wales — Jan. 6, by L. F. Kramer, mayor, sanitary sewer and disposal plant. Bishop Eng. Co., P. O. Box 477, Orlando, engrs.

Ala., Montgomery — Jan. 26, by J. L. Cobbs, city treas., constructing Southern Outfall Sanitary Sewer Lines; adv. E. N.-R. Dec. 31.

Ill., Springfield—Jan. 26, by Bd. Trustees Springfield Sanitary Dist., West Side Intercepting Sewers and Appurtenances, Divs. E, F, G, H, and I. S. S. Breese, pres.; adv. E. N.-R. Dec. 31.

O., Akron—Jan. 28, by W. F. Peters, dir. Pub. Serv., sewage disposal plant, 33 m.g. capacity, Detritus, Humus and Imhoff tanks, trickling filters, sludge drying beds, etc. $3,000,000. J. E. Root, Delaware-Bldg., engr. Noted Dec. 10.

Wis., Wauwatosa — See "Contracts Awarded."

Colo., Denver—Jan. 5, by Dept. Impvts. & Parks 33 in. brick storm sewer in West Iowa Ave. Subway. A. K. Vickery, city engr.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, pres. Brooklyn Boro, Boro Hall, Dec. 23 (*e.e. means engineers' estimate*), sewer in Nostrand Ave., from Peconi Constr. Co., 170 18th St., 78% e.e. $13,143; in East 12th St., from Nazzaro & Guerriero, West 9th St., 70.94% e.e. $8,594; in Autumn and Sutter Aves., from R. Iovine, 62% e.e. $600; in East 14th St. and repairing sewer in Raymond St., from Manmill Constr. Co., 2035 Dougals St., 64% e.e. $4,844 and $4,240 respectively. Noted Dec. 17.

Pa., Phila.—Dept. Pub. Wks., Bureau Engineering, Dec. 22, main sewer in Rowland Ave. and discharge pipes in South East Sewage Pumping Station and Eagle Creek, from V. S. Campellone, 812 West Venango St., $6,767 and $3,000 respectively; intercepting sewer along Tacony Creek, from Municipal Paving Co., 702 Catherine St., $84,785; branch sewer in Coleman St. between 58th and 59th Sts., and Woolsten St. between Middleton St. and Walnut Lane, from J. J. McHugh, 1617 Race St., $2,031 and $4,886 respectively, 52nd St. between Lebanon and Diamond Sts., from A. Mattia, 310 North 65th St. $2,935, Lebanon St. between 57th St. and Upland Way, from F. I. Buckins, 4050 Kensington Ave. $5,000, Sanger St. between Saul and Large Sts., from McIntyre Concrete Co., 2811 North Franklin St. $1,702. Noted Dec. 17.

Calif., Belmont—Belmont Sanitary Dist., Dec. 15, 64,180 lin. ft. 6- to 21-in. vitr. sewers in various streets, from C. E. Prentiss, 608 Adams St., Albany, $66,037. Noted Dec. 3.

Calif., Indio—Indio Sanitary Dist., from S. M. Milovich, 411 Whittier Blvd., Montebello, 11,000 ft. 8 in. vitr. sewer $0.98 per ft., manholes $0.84 each, flush tanks $150 each.

Calif., Los Angeles—Constructing Boyle Heights Storm Drain 3, from Francisco & Ellington, 1232 West 6th St., $596,000, engrs. est. $655,583; sewer in 75th St. and Gramercy Pl. Sewer Dist., from L. Massa, 138 Walnut St., $37,147, engrs. est. $42,701. Noted Dec. 3.

Calif., Los Angeles—For 14,784 ft. 6 in. sanitary sewer in Marne Ave. and 12th St., from L. Massa, 138 Walnut St., $45,784. Engrs. est. $53,926.

CONTRACTS AWARDED

N. Y., Long Island City — See "Streets and Roads."

Wis., Milwaukee — Dept. Pub. Wks., storm and sanitary sewers in Oklahoma Ave., to G. E. and L. Zimmermann, 3402 Grand Ave., $35,285; 12th and 13th Aves., to Szukalski & Matke Co., 1089 American Ave., $9,256 and $7,223 respectively; 14th Ave., to F. E. Kaminski, 745 46th Ave., $6,760; 14th Ave., to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., $5,071; and 15th Ave., to W. T. Werner, 675 Hi-Mount Blvd., $12,061. Grand total $75,656. Noted Dec. 17.

Wis., Wauwatosa — A. V. Brigham, city clk., will construct storm sewers in West North Ave., by day labor. $25,000. J. E. Lowther, City Hall, engr.

Minn., St. Paul — Constructing St. Paul Ave. Sewerage System 1, to Thornton Bros., 318 Endicott Bldg., $72,837. Noted Nov. 19.

Calif., Roseville—City Trustees, extending sanitary sewers, etc. in various streets, here, to Chambers & DeGolyer, Bacon Bldg., Oakland, $22,075. Noted Dec. 3.

Waste Disposal

PROPOSED WORK

Tenn., Nashville — Defeated $200,000 bonds, garbage disposal plant. H. E. Howse, mayor. Noted Nov. 12.

Mo., Kansas City—Pan-Amer. Feed Co., 615 Ridge Bldg., had plans prepared by A. T. Parker, 557 Sheidley Bldg., and takes bids about Jan. 15, 4 story, 100 x 150 ft., rein.-con. garbage reduction plant. $220,000. F. L. Weakley, 501 Sharp Bldg., engr.

Bridges

PROPOSED WORK

Fla., Ft. Myers — See "Streets and Roads."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, rejected bids Dec. 11, steel I-beam superstructure for bridge over Stones River, near Murfreesboro, State Project 318, Rutherford Co.; and reconstructing bridge over Powell River on State Highway 33, near end of Federal Aid Project 12, State Project 319, Clairborne Co. C. N. Bass, assistant comr. Noted Nov. 19.

Tenn., Nashville — Defeated $400,000 bonds for Demonbreum St. Viaduct; and $200,000 bonds, repairing and reconstructing bridge. W. W. Southgate, city engr. Noted Nov. 12.

Missouri — State Hy. Dept., Jefferson City, making plans rein.-con. and steel bridges in Bates, Greene, Linn, Texas, Vernon and Wayne Counties. B. H. Piepmeier, ch. engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids rein.-con. viaduct to carry Kingshighway Blvd. over Terminal R.R. tracks in Penrose Park. $210,000. L. R. Bowen, 301 City Hall, engr. Noted Oct. 15.

Texas and Louisiana — Orange Co. (Orange), Tex. and Calcasieu Parish (Lake Charles), La., take bids in January for bridge 0.96 mi. long, 200 ft. swing span, 20 ft. clear roadway, concrete sub-floor, and fourteen 19 ft. spans creosoted timber trestles, 21 ft. clear roadway, etc. across Neches River between Orange Tex. and Calcasieu Parish, La. $150,000. J. E. Johnson, Orange, co. engr.

Tex., Crockett—See "Streets and Roads."

Tex., Cuero—See "Streets and Roads."

Tex., Seguin—See "Streets and Roads."

Okla., Arnett—Ellis Co. making preliminary plans 64 span 1,219 ft. pile and timber trestle bridge. $34,000. J. M. Page, capitol, Oklahoma City, highway engr.

Calif., Los Angeles—City Council plans to issue $500,000 bonds, for bridges.

Calif., Red Bluff — Plans girder bridge over Reeds Creek, south of here. To exceed $30,000. City will pay 2/9 of cost and balance approximately $30,000 to be paid by State and Tehama Co. Noted Nov. 12.

BIDS DESIRED

Fla., Fort Lauderdale—See "Streets and Roads."

Ind., Elkhart—Jan. 28, by Bd. Comrs., Elkhart Co. (Goshen) taking bids rein.-con. arch bridge over St. Joseph River, at Lexington Ave., here. C. A. Croop, co. aud.; adv. E. N.-R. Dec. 31.

Ind., Goshen—Jan. 28, by Bd. Comrs Elkhart Co., rein.-con. arch bridge over Elkhart River, Pike St. C. A. Croop, Co. aud.; adv. E. N.-R. Dec. 31.

Illinois—Jan. 8, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rein.-con. substructure for one 90 ft. span steel bridge, on Route 30 Sect. 3-B, one 90 ft. steel superstrucure Route 30, Sect. 3-C, also one 50 ft. and one 30 ft. span rein.-con. girder bridges Route 30 Sect. 8-B, all Peoria Co. F. T. Sheets, ch. engr.

BIDS RECEIVED

Mass., Boston — Dept. Pub. Wks., Dec. 17, steel and concrete electrically operated ferry bridge, North Ferry, from J. E. Ogden Co., 147 Cedar St., New York City, $132,800. Noted Dec. 10.

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridge on Project 203 Carteret Co., from Roanoke Iron & Bridge Wks., Roanoke, Va., $138,450; rein.-con. and creosoted timber bridge on Project 109-B, Chowan Co., from Sanford & Brooks Co., Spartanburg, S. C., $432,423. Noted Nov. 26.

La., New Orleans—Pub. Belt R.R. Comn., Municipal Bldg., Dec. 17, test borings for Mississippi River Bridge, 2 mi. above city limits, from Southern Deep Well Drilling Co., Inc., Algiers, $44,400. Noted Dec. 10.

Ohio — Dept. Highways & Pub. Wks., Columbus, Dec. 11, steel bridge on Sect. "J" Hawden-Andover Rd., Ashtabula Co., from Reedy Bros., Warren, $26,833; painting and cleaning structural steel bridge on Sect. "Muskingum River Bridge,'" Washington Co., from J. Wilson, McFarland, W. Va., $5,578; rein.-con. box culverts on Sect. "K" Gallipolis-Pomeroy Rd., Gallia Co., from Miller Bros., Gallipolis and W. E. Fuller, Franklin, each $23,109. Noted Dec. 10.

Tex., Crockett—See "Streets and Roads."

Colorado—State Hy. Dept., Denver, Dec. 15, concrete bridge and paved approaches over Chicago, Rock Island & Pacific R.R. tracks, on Nevada Ave., Federal Aid Project 276, El Paso Co., from J. L. Busselle, Colorado Springs, $35,520. Noted Dec. 10.

CONTRACTS AWARDED

South Carolina—See "Streets and Roads."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project)**, 3 bridges over 20 ft. span on Arlington-Fayette Co. line Rd., F.A.P. 36-B, Shelby Co., to W. H. Shons & Co., 11 South Liberty St., Freeport, Ill., $83,287; 4 bridges over 20 ft. span on Clinton-Campbell Co. line Rd., F.A.P. 55-A, Anderson Co., to G. M. Ferris, Knoxville $35,465; structural steel and concrete bridge over Conasauga River, State Highway 39, near Conasauga, S.A.P. 192-B, Polk Co., to King & Jordon Constr. Co., Louisville, $28,011; structural steel and concrete overhead bridge over Illinois Central R.R. tracks near Fowlkes, S.A.P. 302-B, Dyer Co., to W. C. Baird & Co., Nicol Bldg., Nashville, $14,068, 2 bridges over 20 ft. span on Bluff City. Carter Co. Line Rd., S.A.P. 309 A, Sullivan Co., to Bell & Bell, Watertown, $12,733. Grand total $173,564. Noted Nov. 19.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 9, Sect. 8-B, Tazewell Co., to H. O. Newlin, West York, $28,528, bridges on Route 40, Sect. 8-B, Whiteside Co. and on Route 23, Sect. 26-B, De Kalb Co., to Chernus Constr. Co., Mt. Carroll, $23,737, and $9,366 respectively; grading Route 7, Sect. S-1, Bureau Co., to Trompeter & Sons, Peru, $11,822. Grand total $73,453. Noted Nov. 5.

Ill., Chicago—City, Room 406, City Hall, superstructure for 2 span, 173 ft. double leaf trunnion bascule bridge, 64 ft., 38 ft. roadway, etc., over south branch Chicago River, at West Adams St., to Strobell Steel Constr., 53 West Jackson Blvd., $438,408. Noted Dec. 10.

Ia., Knoxville—Marion Co., bridges and culverts on Knoxville-Attica Rd., Federal Aid Project 253, to Iowa Bridge Co., 1901 Easton Blvd., Des Moines, $27,358. Noted Dec. 3 under "Streets and Roads."

Texas—See "Streets and Roads."

Tex., La Grange — See "Streets and Roads."

Dams

BIDS DESIRED

Quebec—See "Contracts Awarded."

CONTRACTS AWARDED

Quebec—Price Bros. & Co., Quebec will build 3 crib dams in River Valin, one at Le Bras-Lonis, $42,000; one at Le Bras des Cantos, $32,000; and one near Chicoutimi, $30,000, by day labor under supervision of A. Duchatel de Montronje, Chicoutimi, engr.

Quebec — St. Maurice Valley Co., Shawinigan Falls, will build 3 dams in the Grande Bostonnais River, one at Lake Lescartot, $35,000; one near Bourgeiro Twp., $35,000; and crib dam at Lake Kiskisuig, $30,000; by day labor. H. Sorguis, Shawinigan Falls, engr.

Railways

PROPOSED WORK

Florida—Atlantic Coast Line R.R. Co., J. E. Willoughby, ch. engr., Wilmington, N. C., plans 41 mi. railroad from point at or near Perry northwesterly to point at or near Monticello, in Taylor, Madison and Jefferson Counties. $1,424,400.

Alabama — St. Louis — San Francisco R.R. Co., Frisco Bldg., St. Louis, Mo., F. G. Jonah, ch. engr., purchased Muscle Shoals, Birmingham & Pensacola R.R., Pensaloca, Fla., A. S. Butterworth, ch. engr., and plans reconstructing its 143 mi. road, incl. ballasting road bed from Kimbrough to Pensacola, Fla., reducing grades, laying heavy ties and increasing terminal facilities. $2,500,000. Private plans.

Quebec—St. Maurice Valley Co., Cap-de-la-Madeleine, plans private railroad through city of Cap-de-la-Madeline. $90,000. G. Slater, Cap-de-la-Madeline, engr.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Tex., San Saba—San Saba Conservation & Water Control Dist. 1, making preliminary plans irrigation dam, etc. Total about $3,000,000. J. E. Hayes, 2083 Clermont St., Denver, Colo., engr. Noted Oct. 7.

Oklahoma — Boggy D.D. 1, Boswell, making preliminary plans straightening and draining Boggy Creek across five counties in southern Oklahoma. $75,000. W. C. Burke, Oklahoma City, engr.

Calif., Ramona—Ramona Irrigation Dist. plans election $80,000 to $90,000 bonds, pumping plants. T. King, Fletcher Bldg., San Diego, engr.

BIDS DESIRED

Minn., Minneapolis — Jan. 13, by A. P. Erickson, aud. Hennepin Co., constructing County Ditch 40, one pump house, two 1,000 g.p.m. vertical and one 8,000 g.p.m. horizontal centrifugal pumps or alternate one 15,000 g.p.m. horizontal centrifugal pump, 7,840 cu.yd. excav., 97,057 ft. 5-36 in. drain tile, etc. $53,300. G. R. B. Elliott, 706 1st Ave. N., engrs. Noted Nov. 26.

BIDS RECEIVED

N. J., Trenton—Bd. Commerce & Navigatioin, State House, Dec. 15, dredging section proposed Indland Waterway to connect Barnegat Bay with Manasquan Inlet, Monmouth Co., from Quinlan Dredging Co., 90 West St., New York City, $0.59 per cu. yd. Noted Dec. 3.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Dec. 22, borings for Pennsylvania Terminal, West River Dr. between Spring Garden and South Sts., incl. 2,900 ft. borings on land with churn drill, 200 ft. wash borings, 300 ft. core borings in rock on land and 200 ft. core borings in water, from J. B. Rulon, 1355 Colwyn St., $10,410. Noted Dec. 17.

CONTRACTS AWARDED

Mo., Rockport—Nichnabotna D. D., T. H. Cooper, secy., 961,512 yd. excav. for drainage ditches, etc., to Callahan-Walker Constr. Co., Omaha, Neb., $65,265.

Calif., Blythe — Palo Verde Irrigation Dist., to D. A. Foley, Wright-Callendar Bldg., Los Angeles, approximately 24 mi. irrigation canals, 81,500 cu.yd. excav. $0.15 per cu.yd., 81,200 cu.yd. $0.15, 60,000 cu.yd. $0.15, 116,000 cu.yd. $0.19, etc.; also clearing and excavation for river cut, 100,000 cu.yd. excav. $0.13, and 40 acres clearing, $40. Noted Dec. 24.

Streets and Roads

PROPOSED WORK

Mass., Boston — Park Dept., 33 Beacon St., rejected bids Nov. 12, gravel and asphalt surfacing Fens Rd. Will readvertise. $25,000. J. B. Shea, chn. Noted Dec. 17.

Mass., Malden (br. Boston)—Plans extending and improving Dartmouth, Exchange and other streets. To exceed $25,000. Engineer not selected.

Mass., West Roxbury (Boston P. O.)—Street Layingout Dept., Boston, plans improving Morrison and Rivermore Sts., here. $25,000. J. F. Sullivan, secy.

Conn., New Haven — City, Park Bd. Comn., made plans 220 ft. driveway between Fort Hale Park and Forbes Park. To exceed $150,000. Olmstead Bros., Brookline, Mass., engrs.

N. J., Asbury Park—City Comn., plans Asbury Ave., Plaza Pl., Bond and Emory Sts. N. Rogers, Asbury Park, engr.

N. J., Woodbridge—Middlesex Co. (New Brunswick) rejected bids Dec. 17, paving Rahway Ave., here. Will readvertise. W. F. Buchanan, 175 Smith St., Perth Amboy, engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing and grading 6.4 mi. Project 681, Scotland Co. $40,000. C. M. Upham, highway engr.

N. C., Saluda—Lake Summit Co. plans waterbound macadam or gravel surfacing 12 mi. road around Lake Summit. H. L. Bomar, Saluda, pres.

N. C., Smithfield—Plans paving various streets. $100,000. W. L. Fuller, city clk.

Ga., Bainbridge — Decatur Co. plans election $500,000 bonds, improving roads.

Ga., Ellijay—Gilmer Co. voted $100,000 bonds, improving various roads.

Ga., Lyons—Toombs Co. plans election $250,000 bonds, improving roads.

Streets and Roads (Continued)

Ga., Savannah — Savannah Foundation Co., Chatham Artillery Bldg., pres., plans paving various streets. $25,000.

Fla., Ft. Myers—Lee Co., election Jan. 19, $700,000 bonds paving various streets and constructing concrete bridge.

Fla., Green Cove Springs—Clay Co. voted $575,000 bonds, constructing roads.

Fla., Miami—Plans sheet asphalt on rock surfacing H-273 to 276 (inclusive) $250,000-$300,000; H-277 to 281 (inclusive) $275,000-$300,000; H-282 to 285 (inclusive) $250,000-$300,000; H-286 to 293 (inclusive) $250,000-$300,000; H-294 to 296 (inclusive) $250,000-$300,000; H-297 to 301 (inclusive) $275,000-$350,000; H-302 to 304 (inclusive) $300,000 plus. M. B. Duncan, city engr.

La., Alexandria — Soon takes new bids brick paving about 6 blocks Vance Ave. and Rensselaer St. $40,000. Former bids rejected.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 14 mi. Linden-Perryville Rd., Perry Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 6 mi. Madisonville-McMinn Co. line Rd., Monroe Co. and 10 mi. Etowah-Monroe Co. line Rd., McMinn Co. C. N. Bass, acting comr.

Tennessee — State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Friendship-Alamo Rd., Crockett Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans improving highway between Maryville and North Carolina state line, Blount Co.; and highway between Sevierville and North Carolina state line, Sevier Co. C. N. Bass, acting comr.

Tenn., Nashville — Defeated $1,500,000 bonds, widening and improving various streets. H. E. Howse, mayor. Noted Nov. 12.

O., Canton—Stark Co. takes bids in spring improving 1.3 mi. Martindale Rd., 16 ft. $40,000. A. M. Wise, Court House, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring paving 3.218 mi. York-Bennett Rd., 18 ft., $249,040, 1.89 mi. Edgerton Rd., 18 ft., $50,000, and 3.42 mi. Solon Rd., 24 ft., $245,000 F. Lander, Court House, engr.

Ill., DeKalb — Soon takes bids concrete or Warrenite bitulithic paving 4,760 sq.yd. 11th St., $19,559; 23,800 sq.yd. Pearl and other streets, $92,669; and concrete paving 7,500 sq.yd. West Lincoln Highway, $29,888. W. M. Hay, DeKalb, engr.

Wisconsin — State Hy. Dept., Madison, making plans improving 254.01 mi. highways in Adams, Barron, Bayfield, Buffalo, Burnett, Calumet, Chippewa, Clark, Dane, Door, Douglas, Dunn, Eau Claire, Florence, Fond du Lac, Grant, Green, Iowa, Iron, Jackson, Jefferson, Kenosha, Kewaunee, Lafayette, Lincoln, Manitowoc, Marinette, Marquette, Milwaukee, Monroe, Oconto, Oneida, Outagamie, Polk, Portage, Racine, Rock, Rusk, St. Croix, Sauk, Sawyer, Shawano, Taylor, Trempealean, Vernon, Vilas, Washburn, Washington, Waukesha, Waupaca, Waushara, Winnebago and Wood Counties during 1926. $5,167,722. J. T. Donaghey, Madison, ch. engr.

Wisconsin — Langdale Co. (Antigo), C. Olsen, highway comr., plans improving various highways, $36,700; also constructing 3 bridges in Ackerley, and 1 in Rolling, $2,811; Green Co. (Monroe), C. J. Smith, highway comr., improving 23 mi. various roads, $550,000; and Winnebago Co. (Oshkosh), F. Steiner, comr., improving various highways, $305,430.

Wis., Janesville—Rock Co., plans improving various roads. $96,450. C. E. Moore, highway comr.

Wis., La Crosse—La Crosse Co., J. Hinton, comr., plans improving various roads. $49,626.

Wis., Milwaukee — Milwaukee Co., W. Cavanaugh, highway comr., plans concrete paving Blue Mound Rd., $186,000; Lake St. from 39th St. W., $80,000; County Loop, Trunk Highway 100, $75,000; Trunk Highway 74, near Granville Station, $30,000; constructing portion of various trunk highways, $220,000.

Wis., Sheboygan—Sheboygan Co., G. W. Ubbelohde, comr., making plans concrete paving Trunk Highway A Lake Shore Rd. from city limits north, 16 ft., $150,000; also 0.2 mi. Highway 42 in Cedar Grove, 18 ft., $6,000. J. T. Donaghey, Madison, ch. engr.

Wis., Racine — Racine Co., E. Fischer, comr., making plans concrete paving 3 mi. Highway 120, 20 ft. and 0.4 mi. Wilmot Ave., in Burlington City, 30 ft. J. T. Donaghey, Madison, ch. engr.

Ia., Cedar Rapids—Making preliminary plans and probably takes bids in spring asphaltic concrete on old macadam resurfacing 40 blocks 3rd Ave., Linden Dr., Ridgewood Terrace, Blake Blvd., 17th, 18th, 19th, 20th, Nassau, Crescent, Crossways and Forest Sts., all in Ridgewood Addition. F. S. Alden, 1540 Washington Ave., engr.

Kan., Concordia—Making plans paving 20 blocks various streets. C. A. Haskins, 822 Finance Bldg., Kansas City, Mo., engrs.

N. D., Minot — A. D. Hagenstein, city aud., plans grading and paving approximately 4 mi. extension of Central Ave. W. $119,750.

Mo., Clinton — Takes bids in January, brick and concrete paving 14 blocks various streets. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engr.

Ark., Ft. Smith—Election Feb. 10, $500,000 bonds, paving various streets. J. R. Miller, city comr.

Ark., Little Rock — Pulaski Co. plans widening and hardsurfacing 9.17 mi. 12th St. Pike, 12 to 16 ft., and 7.5 mi. Siegle Farm-Ferndale Rd. $90,000.

Ark., Magnolia—Making preliminary plans paving various streets. To exceed $25,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Tex., Carthage—Panola Co. making plans grading, bridging and gravel surfacing 8 mi. Highway 64, from Carthage to Louisiana State line, 16 ft. $96,500. D. E. Martin, Carthage, co. engr.

Tex., Crockett — Houston Co. making plans grading and bridging 9.122 mi. State Highway 19, 26 ft. $39,700. F. J. Von Zuben, Crockett, co. engr.

Tex., Cuero—DeWitt Co. making plans grading, bridging and rein.-con. paving 30 mi. Yorktown-Kenedy Rd. and Goliad-Stockdale Rd. in Rd. Dists. 7 and 8, 16 ft. $750,000. A. H. Gulledge, Cuero, co. engr.

Tex., Floydada — Voted $35,000 bonds, paving various streets.

Tex., Galveston — Galveston Co. plans improving Bolivar Rd. $150,000. Address County Engineer.

Tex., Gilmer—Upshaw Co. making plans and soon takes bids permanent paving 20,000 sq.yd. Main St. Municipal Eng. Co., 602 Praetorian Bldg., Dallas, engrs.

Tex., Goliad—Goliad Co. voted $250,000 bonds, hard paving roads in Goliad Precinct; $85,000 bonds, roads in Fannin-Schroeder Precinct; $75,000 bonds, roads in Charco Dist.; and $75,000 bonds, in Weetasche Dist. Address J. A. White, Goliad, co. judge. Noted Dec. 10.

Tex., Karnes City — Karnes Co. voted $300,000 bonds, hard paving highway in Kenedy Rd. Dist.; $300,000 bonds in Gillett Rd. Dist.; and $65,000 bonds in Karnes City Dist. O. N. Parlett, Karnes City, co. engr. Noted Dec. 17.

Tex., Memphis — Making preliminary plans gravel surfacing 40 blocks various streets in residential section. $50,000. Address Mayor.

Tex., Ranger—Made plans concrete on brick paving 4,000 ft. Pleasant Grove Rd., 60 ft. $33,000. Address City Engineer.

Tex., San Antonio—Making plans hard paving 8 blocks Guadalupe St. between South Laredo and South Brazos Sts. $45,000. I. Ewig, city engr.

Tex., San Antonio—Making preliminary plans bitulithic or asphalt paving, etc., 19 blocks Buena Vista St., 45 ft. or more. $140,000. Cost to be borne by city and property owners. I. Ewig, city engr.

Tex., Seguin — Guadalype Co. making plans grading, bridging and gravel surfacing 19.8 mi. Highway 3-A, from Seguin to Caldwell Co. line, 16 ft. $280,000. H. J. Cavefield, Seguin, engr.

Okla., Ada—Pontotoc Co. voted $425,000 bonds improving various roads. J. M. Page, Capitol, Oklahoma City, highway engr. Noted Nov. 19.

Okla., Guthrie — Making preliminary plans grading and concrete paving 10,400 sq.yd. West Logan, College and North Walnut Sts., 30 ft. $32,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Ponca City—Making preliminary plans grading, curbing and vertical fibre brick on concrete paving 8 blocks Lake and 8th Sts. E. A. Jones, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 11,000 sq.yd. Western Ave. $44,210. B. M. Hart, City Hall, engr.

Wash., Seattle—City Council authorized improving and extending 2nd Ave. $750,000.

Calif., Hanford—Kings Co. plans paving 2 mi. road from Armona east to Elmer Young Corner. R. May, Hanford, co. surv.

Calif., Hayward—Making plans grading, widening and paving portion of A St. To exceed $25,000. J. B. Holly, city engr.

Calif., Los Angeles — Los Angeles Co. made plans curbing, grading, guttering and concrete paving, etc., 159,845 sq.ft. Impvt. 338, Grevilla St. between Inglewood and Hawthorne city limits, to exceed $60,000; also grading, curbing, guttering, concrete on disentegrated granite paving, etc., 241,046 sq.ft. Impvt. 375, Main St. between 108th St. and Ionia Ave., to exceed $80,000.

Calif., Los Angeles—City Council plans to issue $1,000,000 bonds, street construction.

Calif., Los Angeles—Made plans curbing, walks, and 5 in. concrete paving, etc., 46,008 sq.ft. 36th St. and Kerckhoff Ave. J. C. Shaw, city engr.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about Jan. 16, paving, guttering, sewers, etc. in Melrose Ave. and Edison St. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Sacramento — Sacramento Co. making plans constructing 12 mi. Joint Highway Dist. 4. To exceed $125,000. C. W. Deterding, Jr., Sacramento, co. engr.

Calif., Salinas — Monterey Co. making plans improving Salinas and Castroville Highways. To exceed $75,000. H. Cozzens, Salinas, co. surv.

Calif., San Francisco—Made plans brick and granite on concrete paving Civic Center Plaza. $90,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco—Plans reconstructing and repairing Clementina and Jessie Sts., $29,000; Union St. from Franklin St. westerly, $48,500; Harrison St. from 4th St. southwest, $40,000; portions of 18th, Commercial and Greenwich Sts., $30,000; portions of Sacramento and Tehama Sts., $25,500; portions of Natoma and Oak Sts., $26,500. M. M. O'Shaughnessy, city engr.

Calif., San Francisco—Made plans paving 18,029 sq.ft., concrete paving 18,029 sq.ft. and asphaltic concrete paving 5,064 sq.ft., Douglas St. between 20th and 21st Sts. $40,000 or more. M. M. O'Shaughnessy, city engr.

Calif., San Rafael — Plans paving, curbing, etc. streets north of 4th St. $190,000.

Calif., Santa Rosa — Sonoma Co. plans paving, etc. approximately 5 mi. Sebastopol-Guerneville Highway, 18 ft. To exceed $100,000. E. A. Peugh, Santa Rosa, co. surv.

Calif., Torrance—Plans concrete paving Cedar Ave., and asphaltic concrete paving Carson St. $25,000 or more.

Calif., Willows — Making plans paving various streets. $50,000 or more. B. Knock, city engr.

Ont., Chatham — Council Kent Co. plans paving program for 1926. $75,000-$100,000. W. D. Colby, County Bldg., engr.

Ont., Ford — Council plans paving and sewer program for 1926. $75,000. C. J. Mousseau, chn. com.

Ont., Hanover — Council Grey Co. plans concrete paving Main St. $50,000. M. Ball, mayor.

B. C., Vancouver—Plans permanent hardsurfacing various streets. $250,000. C. Brackenridge, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Jan. 6, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and paving Autumn Ave., Newport, 47th, 61st and 66th Sts.; grading and curbing 16th Ave., Newport, 66th, 72nd and 82nd Sts.; curbing and flagging Conklin Ave.

N. Y., Long Island City—Jan. 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and curbing Clermont Ave.; grading, curbing and sidewalks on Foch (117th Ave.-Central Ave.) Blvd., Central and Westchester (Central) Aves., and 73rd (16th) St.; grading and permanent asphalt on concrete paving Borden Ave. and Chauncey St.

Pennsylvania — Feb. 5, by State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, grading, etc., 26,529 yd. R. 219, Sect. 3, Snow Shoe Twp. Rd., Centre Co., 38,555 yd. R. 40, North Middleton, Middlesex Twp. Carlisle Boro, Cumberland Co., 57,974 yd. R. 93, Sect. 2, Limestone-Hickory Twp. Rd., Warren and Forest Counties; one course rein.-con. paving 7,669 yd. R. 246, Sect. 3, West View Boro Ross Twp. Rd., Allegheny Co., 15,731 yd. A. 3604, Spring-Lower Heidelberg Twp. Rd., Berks Co., 14,860 yd. A. 3583-3631 Duncanville Boro-Allegheny Twp. Rd., Blair Co., 6,648 yd. A. 3676, Leighton Boro, Carbin Co., 5,324 yd. R. 363, Sect. 2, A. 3,661, Markleysburg Boro, Henry Clay Twp. Rd., Fayette Co., 13,464 yd. R. 161, Sect. 3, Ralpho-Shamokin Twp. Rd., Northumberland Co., 4,853 yd. A. 3636 Conemaugh Twp. Rd., Somerset Co., and 9,605 yd. R. 228-348, A. 3730, Washington-Franklin Twp. Rd., Westmoreland Co. W. H. Connell, eng. executive and deputy secy. of highways.

Pennsylvania—Feb. 6, by State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, one course rein.-con. paving 8,580 yd. R. 257, A. 3558, North Fayette Twp. Rd., Allegheny Co., 5,280 yd. A. 3581, Richland Twp. Rd., Allegheny Co., 17,440 yd. R. 354, A. 3605, Big Beaver Twp. Rd., Beaver Co., 22,520 yd. R. 235, Benton Twp. Rd. and A. 2860-3306, Benton Boro Rd., Columbia Co., 13,760 yd. A. 3652, West Wheatfield Twp. Rd., Indiana Co., 4,062 yd. R. 18-20 Sect. 6, Loyalsock and Old Lycoming

Streets and Roads (Continued)

Twp. Rd., Lycoming Co., 41,712 yd. R 19-16, Sect. 1, Davidson-Laporte Twp. Rd., Sullivan Co., 17,874 yd. R. 91, A. 3678, Sect. 6, Pine Grove Twp. Rd., Venango Co., 25,-080 yd. R. 441-230, A. 3544, Penn-Manheim Twp. Rd., York Co.; also one course rein.-con. and vitr. brick paving 2,393 yd. R. 68, A. 3768, Indiana Boro, Indiana Co.; grading, etc., 41,549 yd. R. 219, Sect. 1, Cooper Twp. Rd., Clearfield Co. W. H. Connell, eng. executive and deputy secy. of highways.

Pa. Pittsburgh—Jan. 6, by Comrs. Allegheny Co., rein.-con. paving 20,400 ft. road from intersection Evergreen and Peoples Plank Rd. to Three Degree Rd. at Keown Sta., Ross Twp., 24 ft., $200,000; and brick on rein.-con. paving 22,050 ft. Lebanon-Church Rd., 16 and 18 ft., $200,000. County Bureau of Engineers, 519 Smithfield St., engrs.

Fla., Fort Lauderdale—Jan. 5, by Comrs. Broward Co., penetration or asphalt paving 27.9 mi. Stone Rd.; also 3 steel bridges. C. H. Hopkins, Fort Lauderdale, co. engr.

Ind., Bloomington—Jan. 5, by H. Chestnut, engr., Bloomington, concrete paving 11,616 sq.yd. Marshall Rd. $27,200, 14,784 sq.yd. Hensley Rd. $31,300, and 12,672 sq. yd. McClary Rd., $28,000 for Monroe Co. Noted Dec. 24.

Illinois — Jan. 7, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving 0.35 mi. Route 3, Sect. 50 and 0.97 mi. Route 3, Sect. 50-W, both 18 ft., Greene Co. F. T. Sheets, ch. engr.

Illinois—Jan. 8, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick, type B. A., or bituminous concrete with or without binder course paving 5.08 mi. Route 1, Sect. 38, Johnson Co., 4.74 mi. Route 1, Sect. 39, and 5.86 mi. Route 1, Sect. 40, both Massac Co., 5.68 mi. Route 8, Sect. 48, Peoria, Fulton and Knox Counties, 5.88 mi. Route 34, Sect. 1, and 5.8 mi. Route 34, Sect. 2, both Saline Co., 5.36 mi. Route 34, Sect. 3, Pope and Hardin Counties, 5.61 mi. Route 34, Sect. 4, and 5.57 mi. Route 34, Sect. 5, both Hardin Co., 5.87 mi. Route 34, Sect. 6, Pope and Hardin Counties, 4.46 mi. Route 34, Sect. 7, Pope Co.; grading 0.04 mi. Route 3, Sect. 33X, Warren Co., and 2.12 mi. Route 30, Sect. 3-A, Peoria Co. F. T. Sheets, ch. engr.

Mo., St. Louis — Jan. 26, by Bd. Pub. Wks., 308 City Hall, granite curbing and asphaltic concrete paving 2,185 yd. Alfred St. $13,200, 2,915 yd. Arthur St. $19,200, 830 yd. Hi Pointe St. $6,000, 1,060 yd. Kansas St. $6,600, 3,115 yd. Marmaduke St. $13,520, 1,635 yd. Michigan St. $9,320, 3,010 yd. Cardinal St. $23,800, 3,490 yd. Pennsylvania St. $21,520, 3,060 yd. Nagel St. $21,320 and 1,780 yd. Delmar St. $21,-800. W. W. Horner, City Hall, engr.

Tex., Dublin—Jan. 5, by Elrod Eng. Co., engrs., 3124 Elm St., Dallas, permanent paving, etc. 34,000 sq.yd. various streets, here, for City. $125,000.

Tex., Georgetown — Jan. 8, by State Hy. Comn., Austin, grading and bridging 11.492 mi. State Highway 29 from Leander to Travis Co. line, 26 ft., Williamson Co., incl. 115,933 lb. reinforcing, etc. $68,000. M. C. Welbora, Georgetown, co. engr.

Tex., Tarboro—Jan. 11, by E. V. Zoeller, mayor, grading, concrete paving 5,520 sq.yd. and rock asphalt paving 4,970 sq.yd. various streets. J. H. Jacocks, Tarboro, town mgr.

Colo., Denver—Jan. 5, by Dept. Impvts. & Parks, widening 20th St. Viaduct Approach and grading West Iowa Ave. Subway. A. K. Vickery, city engr.

California—Jan. 11, by State Hy. Comn., Sacramento, grading and surfacing 0.7 mi. highway, incl. 1.7 mi. wooden trestle, Humboldt Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Que., St. Etienne — Jan. 8, by J. L. Builanger, deputy minister Dept. Roads, Quebec, graveling or oil macadam paving 16,320 ft. St. Louis River Rd., here. Dept. Pub. Wks., Quebec City, engrs.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., Boston, Dec. 15, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., bituminous concrete paving 21,521 ft. highway in Dennis $318,800, 14,056 ft. highway in Yarmouth $46,765, rein.-con. and bituminous macadam paving 28,795 ft. highway in Lenox Lee and Stockbridge, $323,697; from R. H. Newall Co. & Co., Uxbridge, bituminous macadam paving 6,400 ft. highway in Ayer and Littleton, $41,555. Noted Dec. 10.

N. Y., Long Island City—Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., New York City, Dec. 23, improving and paving transverse road in Jacob Riis Park, here, from Flemming & Sheppard, 116 Broad St., New York City, $48,344. Noted Dec. 17.

Michigan — State Hy. Dept., at office Comrs. Lapeer Co., Lapeer, concrete paving 2.214 mi. Federal Aid Road 147, Sect. A, 20 ft., from T. McNally, Saginaw, $82,204. Noted Dec. 10.

Michigan — State Hy. Dept., at office Comrs. Macomb Co., Mt. Clemens, Dec. 17, concrete paving 3.053 mi. Federal Aid Rd. 212, Sect. A, from J. A. McKay & Son, Detroit, $106,566. Noted Dec. 10.

Tex., Albany—R. Dyess, judge Shackleford Co., surfacing with (a) bituminous on sledged stone (b) bituminous macadam (1) 17.59 mi. State Highway 23, State Aid Project 515, Unit 2 (2) 12.71 mi. State Highway 23, Federal Aid Project 6, (3) 8.18 mi. State Highway 1-A Federal Aid Project 477-A, Unit 2, from J. F. Dexter, North Texas Bldg., Dallas, (a1) $91,083 (b1) $95,671 (a2) $195,611 (b2) $219,017 (b3) $125,745; from Jordan Constr. Co., Plainview, (a3) $107,670. Noted Dec. 10.

Tex., Calvert — L. Acker, engr., Nacogdoches, permanent paving business streets, here, from Panhandle Constr. Co., Corsicana and Lubbock, brick approximately $40,000; from Brown & Root, Georgetown, asphalt and concrete approximately $38,000, for City. Noted Nov. 26.

Tex., Crockett — L. L. Moore, judge Houston Co., clearing, bridging and grading 6.75 mi. State Highway 19, Federal Project 485-C, 26 ft., 32,326 lb. reinforcing, from J. S. Moore & Sons, Lufkin, $26,870. Engrs. est. $30,000. Noted Nov. 19.

Colorado—State Hy. Dept., Denver, Dec. 15, concrete paving, etc. 9,900 sq.yd. Federal Aid Project 275-B, Douglas Co., from J. F. Roberts & Son Constr. Co., Tramway Bldg., Denver, $55,701. Noted Dec. 10.

Calif., Eureka—Grading, curbing and 1½ in. Warrenite on 3 in. asphaltic concrete surfacing, etc., 218,211 sq.ft. Wabash Ave., from Mercer-Fraser Co., Eureka, $66,333. Noted Dec. 24.

Calif., Los Angeles — Los Angeles Co., from J. and P. Cristich, 1817 East 3rd St., improving Ventura Ave., 7,489 lin.ft. curbing at $0.40 per lin.ft., 28,828 sq.ft. sidewalks $0.14, and 145,197 sq.ft. concrete paving, $0.25, etc. total $55,694, engrs. est. $57,106; from W. Haight, 260 South Pacific Blvd., San Pedro St., 12,712 lin.ft. curbing at $0.42 per lin.ft., 10,862 sq.ft. guttering $0.20, 2,136 sq.ft. sidewalk $0.16, and 376,-486 sq.ft. concrete paving $0.20, etc. total $115,278, engrs. est. $128,921.

Calif., Los Angeles—Bd. Pub. Wks., grading, curbing, guttering, sidewalks and 6 in. concrete paving 88,875 sq.yd. Doheny Dr., from L. E. Davis, 861 West 57th St., $28,-362, engrs. est. $29,293; 238,462 sq.ft. Hub St. and Ave. 51 Impvt. Dist., from W. Warne, 1001 Transportation Bldg., $94,476; 138,730 sq.ft. 94th St. and Baring Cross St. Impvt. Dist., from J. Mullarkey, 8435 South Vermont St., $62,655, engrs. est. $71,-292. Noted Dec. 10.

Calif., San Diego — A. H. Wright, city clk., Dec. 14, from Griffith Co., 25 14th St., improving K St. from 16th to 32nd Sts., 584 sq.ft. gutter surfacing $0.07 per sq.ft., 325 lin.ft. cement concrete curbing $0.64, 601 sq.ft. cement concrete sidewalk $0.22 and 372,591 sq.ft. 1½ in. asphaltic concrete on 3½ in. bituminous base paving $0.164, total $61,909. Noted Nov. 19.

Calif., Wasco—Kern Co. (Bakersfield), from Stewart & Bland, 1106 Farris St., Fresno, improving F St., here, 96,129 sq.ft. 6 in. concrete paving at $0.245 per sq.ft., 65 ft. 6 in. concrete guttering $0.30, 66 ft. concrete curbing $0.45, etc.

CONTRACTS AWARDED

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, to Galco Contg. Co., 745 Dean St., sidewalk, etc., on Shore Blvd., $25,572; to G. M. Mandato, 129 29th St., grading, curbing and flagging East 17th St. $1,907, East 12th to East 13th Sts. $2,377, and 76th St. $5,582, to Grimm Contg. Co., 170 McKinley St., Junius St. $6,120, and Lott Ave. $1,116, to Castle Bros., Johnson Pl., Albany Ave. $2,755, to J. C. Dempsey, 516 Prospect Pl., 12th Ave. $11,037, to J. W. McHale, 1250 Jefferson Ave., 55th St., $4,050; to B. Turecamo Contg. Co., 8706 Bay 12th St., grading and permanent asphalt paving Avenue S $5,362, 55th St. $6,402, and 76th St. $8,230, to Uvalde Asphalt Co., 1 Bway., New York City, Church Ave. $2,755, and Junius St., $6,072. Grand total $89,337. Noted Dec. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Sicilian Asphalt Co., 41 Park Row, New York City, grading and permanent asphalt paving Pearson St. $13,862, 115th St. $14,-708, and 39th Ave. $15,574; to Welsh Bros., Inc., 32 Queens St., Astoria, grading Stafford St. $67,015, and grading, curbing and sidewalks on Laurel Hill Blvd. $11,588, to Pegno Constr. Co., 368 Hamilton Ave., Lurting St. $8,335, and grading and sidewalks on 57th St. $11,100, to G. H. George, 15 Elby Ave., 40th Rd., $1,639; sewer, etc. in Mary St., to Peace Bros., Inc., 57 Lawrence St., Flushing, $1,929; and in 135th St. to Gifford Constr. Co., Fulton St., Jamaica, $8,923. Grand total $152,675. Noted Dec. 24.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Richmond Ave. from Signs Rd. to Rockland Ave., to J. E. Donovan, 614 Union St., Brooklyn, $24,749. Noted Dec. 24.

Pa., Phila.—Bureau of Highways, Dept. Pub. Wks., grading Arthur, Hoffnagle, Emerson and Fuller Sts., also Emerson St. between Ferndale and Verree Sts., to F. Mark Contg. Co., 2820 North 21st St., $13,-670; Brighton, Crabtree, Englewood, Faunce, Friendship, Gilmore, Hartel, Lansing, Meridian, Napfle, Oakmont, Princeton, Rowland, Sackett, St. Vincent, Shelmire and Wellington Sts., to Curtis Bros., State Rd., and Unruh St., $35,111; electric cable, to Hazard Mfg. Co., 805 Packard Bldg., $1,198. Grand total $49,-982. Noted Dec. 24.

W. Va., Morgantown — Monongalia Co., constructing Clinton District Rd., to W. N. Bainbridge Co., Fairmont, $94,711.

South Carolina—State Hy. Dept., Columbia, sand clay surfacing 9.1 mi. State Route 36, State Project S-587-D, Hampton Co., to Morrison & Glover, Augusta, Ga., $41,288; also 2 treated timber bridges on State Route 36, State Project S-587-A, Bamberg Co., to Hill & Goss, Aiken, S. C., $11,682. Noted Dec. 3.

Ga., Cartersville—Bd. Aldermen, paving, etc., 24,137 sq.yd. various streets, to S. Findley Constr. Co., North Ave., Atlanta, approximately $86,000. Noted Dec. 10.

Fla., Plant City — Paving and grading various streets, to J. Stanton, Plant City, $86,334.

Ala., Birmingham — City, (e. e. means engrs. est.) Grading, macadamizing, sidewalks, curbing, and guttering 2 blocks Bush Blvd. and 15th St. W., 50 ft., to P. Richer, 1805 Pearson Ave., $3,305 e. e. $3,500, 2 blocks 40th St. and 8th Ave. W., 40 ft., to C. F. Browne, 224 Cornelia Ave., $1,351 e. e. $1,500, 5 blocks Jersey St. and 12th Ave. (Ensley), 40 ft., to J. L. Mullarky, 2400 Ave. J, $9,617 e. e. $10,500, 2 blocks 51st St. (Ensley), 40 ft., to J. M. Jones & J. Christie, 310 South 77th St., $5,688 e. e. $6,200, 2 blocks 2nd Ave. and 1st Court, 40 ft., to Henning & Bragan, 309 North Pearl St., $2,307 e. e. $3,100; asphalt paving 3 blocks Avenue S (Ensley), to Federal Asphalt Paving Co., Amer. Trust Bldg., $12,810 e. e. $14,000, and 5 blocks North 20th St., 50 ft., to Southern Roads Co., 104 North 17th St., $34,997 e. e. $36,-000. Grand total $70,075.

Miss., Biloxi—Commission Council, grading, curbing, sewering, sidewalks, water mains, and 3 in. asphalt on 5 in. concrete surfacing 49,227 sq.yd. 1st, 2nd, St. Charles, St. John, Hopkins, Santina, Miller, Thelma, Forrest, Father Ryan, Wilkes and Jefferson Davis Sts., to Southern Paving & Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $222,541.

Miss., Gulfport — City Comrs., curbing, guttering and paving 145,000 sq.yd. various streets and 2,300 sq.yd. driveway crossings. 2½ in. asphalt on 5 in. concrete, to Baird-Eller Constr. Co., Nashville, Tenn., $229,-500; brick, to Merrill Eng. Co., Lamar Life Bldg., Jackson, $101,750. Noted Nov. 12.

Miss., Lucedale — Bd. Supervs. George Co., improving 11.59 mi. Pascagoula River-Stone Co. line Rd., 30 acres clearing and grubbing, 56,505 cu.yd. excav., 26,337 cu.yd. borrow, 1,124 ft. 15- to 24-in. pipe, 1,851 cu.yd. gravel 1 mi. haul, 1,000 units sand clay surfacing, etc., to W. E. Hathorne & Co., Oakvale, $44,742; grading, and sand clay surfacing 7.72 mi. Lucedale-Stone Co. line Rd., to J. S. Hallowan, Hattiesburg, $7,500.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, (S. A. P. means State Aid Project and F. A. P. means Federal Aid Project), concrete surfacing 9.86 mi. Brighton-Shelbyville Co. line Rd., 18 ft., F. A. P. 31-A, and 7.37 mi. same road Sect. B, both Tipton Co., to J. E. Pryor & Co., Martin, $238,837 and $178,462 respectively; bituminous macadam on crushed stone surfacing 12.56 mi. Columbia-Giles Co. line Rd., F. A. P. 40-B, Maury Co., to Billiter & Oliver, Cincinnati, O., $323,714; grading 2.14 mi. Arlington-Fayette Co. line Rd., F. A. P. 56-B, Shelby Co., to G. M. Tickle Constr. Co., Dyersburg, $21,559, 7.89 mi. State Highway 1, F. A. P. 51-D, Madison Co., to Cresup Bros., Humboldt, $38,203, 9.45 mi. Clinton-Campbell Co. line Rd., F. A. P. 55-A, Anderson Co., and 11.04 mi. Cleveland-McMinn Co. line Rd., F. A. P.

Streets and Roads (Continued)

-A, Bradley Co., incl. bridge over 20 ft. span, to A. M. Cook & Co., Wartburg, $80,-216 and $68,219 respectively, 1.49 mi. Parksville-Ocoee River Rd., through Cherokee Natl. Forest, S. A. P. 301-A, Polk Co., to Harrison, Walters & Prater, White Plains, $20,156, 3.76 mi. highway between F. A. P. 16 and Round Pond, S. A. P. 308-A, Montgomery Co., incl. 3 bridges over 20 ft. span, to McQuarry Bros., Lawrenceburg, $95,147, 5.08 mi. Bluff City-Carter Co. line Rd., S. A. P. 309-A, Sullivan Co., and 6.33 mi. Ernestville-North Carolina State Line Rd., S. A. P. 310-A, Unicoi Co., to M. T. McArthur Constr. Co., Johnson City, $74,-328 and $81,228 respectively, 4.2 mi. Eatons Cross Roads-Knox Co. line Rd., S. A. P. 313-A, Loudon Co., to J. W. Wilkinson & Bros., Lenoir City, $28,878, 8 mi. Linden-Pope Rd., S. A. P. 315-A, Perry Co., to W. A. Patton & Co., Chattanooga, $66,229. Grand total $1,315,276. Noted Nov. 19.

Kentucky — State Hy. Dept., Frankfort, grading 7.095 mi. Fordsville-Daviess Co. line Rd., 24 and 28 ft., State Project 12-A, Ohio Co., to W. W. Carter, Clay, $62,895. Noted Oct. 29.

O., Cincinnati—Director Pub. Serv., improving Daytonia Ave., 5,250 lin.ft. concrete curbing, 3,500 cu.yd. earth excav., 9,550 sq.yd. concrete paving, to Foley Constr. Co., 3209 Boudinot Ave. $38,591. Engrs. est. $46,771. Noted Dec. 17.

Illinois—See "Bridges."

Ia., Eldora—Gravel surfacing, etc., 15,986 sq.yd. various streets, to Wilder & Wilder, Iowa Falls, $11,506; grading 56,463 cu.yd., to L. C. Wood & Co., Alden, $14,116.

Ia., Knoxville — Marion Co., improving 7.752 mi. Knoxville-Attica Rd., Federal Aid Project 253, 3,500 solid rock, 4,500 loose rock and 92,267 cu.yd. earth excav., 4,510 yd. channel change, etc. to Elerton & Elliott, Bussey, $33,491. Noted Dec. 3.

Kan., Kansas City—Wyandotte Co., grading and concrete surfacing, etc. 6.968 mi. Federal Aid Project 321-A and B, 18 ft., to Davidson Constr. Co., Kansas City, Mo., $270,866. Noted Dec. 3.

Kan., Leavenworth—To J. P. Collins, 403 North 5th St., asphaltic concrete on 5 in. concrete surfacing Olive St. from Lawrence to 14th Sts. $47,375, curbing, guttering and concrete surfacing Kiowa St. from Bway. to 9th Sts. $8,744, also grading and culverts on Cleveland Terrace from Pennsylvania to Garfield Sts. $3,483; to T. F. Jones, Leavenworth, 3 alleys, $4,831. Grand total $64,433.

Mo., Clinton — Amiesite paving various streets, to Reed & Wheelock, Clay Center, Kan., $36,279.

Mo., Caruthersville — Comrs. Little Prairie Special Road Dist., Pemiscot Co., N. W. Helm, chn., grading and concrete paving, etc., 53,838 sq.yd. Caruthersville-Braggadocio Rd. to connect with Highway 9, to H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, Ill., $120,700. Noted Dec. 10.

Mo., St. Louis — Cyrus Crane Wilmore Organization, Inc., Boatmens Bank Bldg., grading, etc. approximately 500,000 cu.yd. in sub-division on South Kingshighway Blvd., to Cameron-Joyce & Co., Keokuk, Ia., at $0.245 per cu.yd.

Texas—State Hy. Comn., Austin, grading and bridging 13.45 mi. State Highway 23 from Seymour to Throckmorton, 26 ft., Baylor Co., to McClung Constr. Co., 1309 F. & M. Bank Bldg., Ft. Worth, $157,989. Engrs. est. $175,000. Noted Dec. 24.

Tex., La Grange — Fayette Co., R. E. Schiller, engr., La Grange grading, bridging and grading 8.46 mi. State Highway 71, Federal Aid Project 417, B, 259,238 lb. reinforcing, etc., to D. Wood, Sulphur Springs, $119,374. Engrs. est. $150,143. Noted Dec. 24.

Tex., McKinney—A. M. Wolford, judge Collin Co., gravel surfacing 13.9 mi. Frisco-Denton Rd., State Aid Project 629, to L. B. Everett, McKinney, $26,368. Noted Nov. 26.

Tex., Wichita Falls—Bitulithic paving 7 blocks Kemp Blvd. between Avenues B and O, 40 ft., to West Texas Constr. Co., Staley Bldg., approximately $35,000.

Okla., Guthrie—Grading, curbing, paving, etc., streets in Dist. 52, to Ward-Beekman & Brooks, Guthrie, $25,403.

Okla., Oklahoma City—To H. M. House & Co., 637 West Main St., 7 in. concrete paving 5,400 sq.yd. Bway. $23,150; to Western Paving Co., Tradesmen Natl. Bank Bldg., 2 in. asphalt on 5 in. concrete paving 2,200 sq.yd. Lake Ave., $11,697; to M. A. Swatek & Co., 519½ West Main St., 6 in. concrete paving 1,400 sq.yd. 18th St. $5,178, 7 in. concrete paving 950 sq.yd. McKinley Ave. $3,598, 6 in. concrete paving 1,820 sq. yd. 44th St. $7,142, and 3 in. brick on 6 in concrete paving 1,120 sq.yd. Alley Block 65 $7,331. Grand total $58,096.

Okla., Tulsa—City, (**e. e. means engineers estimate**), to Western Constr. Co., Daniel Bldg., grading and concrete paving 4,428 sq.yd. Dist. 680, $20,680 e. e. $25,013 and grading and sheet asphalt paving 18,819 sq.yd. Dist. 684, $100,157 e. e. $106,388; to E. W. Mead, Genl. Del., grading and concrete paving 12,354 sq.yd. Dist. 682, $58,-537 e. e. $71,664; to H. L. Cannady & Co., 1116 South Lewis St., grading and sheet asphalt paving 4,099 sq.yd. Dist. 683, $24,-641 e. e. $25,772, 5,413 sq.yd. Dist. 686 $24,805 e. e. $25,560, and 5,159 mi. Dist. 687, $23,017 e. e. $25,210. Grand total $251,839.

California—State Hy. Dept., Sacramento, macadam paving 15 mi. road between Castaic and point 3 mi. north Natl. Forest Inn, Los Angeles Co., to F. W. Nighbert, Bakersfield, $55,860. Noted Dec. 17.

Calif., Glendale — To G. A. Simpson, 221 East San Fernando Rd., Burbank, improving Glenoaks Blvd., 13,106 lin.ft. "B" curbing at $0.14 per lin.ft., 12,048 lin.ft. "C" curbing $0.38, 1,986 sq.ft. guttering $0.16, 53,347 sq.ft. sidewalk $0.145, 653,735 sq.ft. earth excav. $0.015, 509,346 sq.ft. concrete base $0.174, and 11,881 ft. 8 in. vitr. pipe $0.90, etc. total $165,598. Noted Dec. 24.

Calif., Los Angeles — Curbing, sidewalks and concrete paving Gaffey St., between MacArthur and Elberton Aves., and curbing, sidewalks and 8 in. concrete paving Huntington Dr. S., between Lifur and El Sereno Aves., to Griffith Co., Railway Bldg., $52,425 and $53,440; grading and curbing Municipal Impvt. Dist. 27, to Boulevard Land Co., 111 West 4th St., approximately $25,000. Noted Dec. 24.

B. C., North Vancouver — Grading and rock surfacing 7½ mi. Grouse Mountain Highway, to Stewart & Barber, North Vancouver, $135,000. Engrs. est. $150,000.

Mexico — Mexican Government, grading, etc., about 65 mi. toll road from Matamoras to Pachuca, via Victoria and Tampico, to Mexican Tourist Serv. Corp., Mexico City, c/o C. N. Kaskell, approximately $1,000,000.

Buildings—Industrial

PROPOSED WORK

N. J., Camden — FACTORY — Congress Cigar Co., 3rd and Spruce Sts., Phila., Pa., having plans prepared by L. B. Rothschild, 215 South Broad St., Phila., Pa., 3½ story and basement, 80 x 160 ft. and 20 x 50 ft., rein.-con., brick and steel, plain foundation, 9th and Liberty Sts., here. $300,000.

N. J., Flemington—PLANT—Universal Joint Co., Plainfield, plans 2 story, 65 x 100 ft. plant, here. Engineer and architect not selected.

Pa., Phila.—RUG FACTORY—Dreber & Churchman, archts., Otis Bldg., soon lets contract 3 story and basement, 85 x 100 ft., rein.-con. and brick factory for renovating oriental rugs, plain foundation, 3731 Walnut St. $250,000.

Pa., Shillington—HOSIERY FACTORY—F. A. Muhlenberg, archt., Ganster Bldg., Reading, soon lets contract, 1 story and basement, 100 x 170 ft., rein.-con., brick and steel, plain foundation, here, for Fedden Bros., Inc., 2483 Park Ave., New York City, N. Y. $60,000.

N. C., Asheville — PLANT — Ashville Supply Co., plans plant, incl. machine, brass, forge and welding shops, etc. $200,000.

Fla., Ocala—CEMENT PLANT—Ocala Portland Cement Co., Hunt Bldg., having plan prepared by F. L. Smith & Co., 50 Church St., New York City, N. Y., for 1,-000,000 bbl. portland cement plant. $2,500,000.

Tenn., Nashville—POWER PLANT, etc. —Voted $100,000 bonds, new boiler equipment, and reconditioning power plant for hospital; and defeated $100,000 bonds for lighting plant, extensions and improvements. H. E. Howse, mayor. Noted Nov. 12.

O., Cleveland—FACTORY—Acme Artificial Silk Co., 1294 West 70th St., had plans prepared by J. L. Collins, 7016 Euclid Ave., 1 story and basement, 31 x 110 ft., brick, steel and concrete addition, concrete pile foundation. $40,000.

O., Cleveland—TREATING PLANT, etc. —Cleveland Capscrew Co., J. W. Fribley, pres., 2921 East 79th St., having plans prepared 3 story and basement, 70 x 90 ft., heat treating plant and chemical laboratory, rein.-con. and brick, 2921 East 79th St. $75,000. Private plans.

O., Cleveland—BAKERY—J. Spang Baking Co., J. Spang, pres., 2701 Barber Ave., having plans prepared by E. Huberty, 5503 Utica Ave., 2 story and basement, 72 x 144 ft., brick and steel addition. $50,000.

Ill., Chicago—FACTORY—Dowst Bros. Co., 120 Ann St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 4 story and basement, 100 x 100 ft., rein.-con., brick and stone, North Kenton Ave. and Fulton St. $150,000.

Ill., Chicago — FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., takes bids about Feb. 1, altering present 4 story, 46 x 100 ft. and constructing 6 story and basement, 85 x 100 ft., brick and stone, Superior and Sedgwick Sts., for Peanut Specialty Co., 212 West Superior St. $200,000.

Wis., Milwaukee — FACTORY — Master Lock Co., 78 West Water St., P. E. Yolles, pres., plans 1 story, brick and timber, plain foundation, Lake Blvd. Engineer and architect not selected.

Wis., Pittsville — CANNERY — G. D. Booth, soon takes bids 1 and 2 story, 50 x 100 ft., brick and timber, plain foundation, here. $40,000. Private plans. Former contractor withdrew. Noted Dec. 17.

Wis., Trego—POWER PLANT—Wisconsin Hydro-Electric Co., E. J. Schneider, pres., Amery, plans hydro-electric power plant and concrete core wall dam, on Namakagon River, near here. R. D. Thomas, 1200 2nd Ave. S., Minneapolis, Minn., engr.

Mo., Joplin — ELECTROLYTIC ZINC PLANT — Bunker Hill & Sullivan Co., plans complete plant. $1,000,000.

Mo., St. Louis—PLANT—Brown-Boveri Electric Co., 165 Bway., New York City, N. Y., L. Wilder, pres., purchased Moloney Electric Co., 1149 South 7th St., here, and plans rein.-con. additional plant facilities. $2,000,000. Private plans.

Mo., St. Louis—BOTTLING PLANT—Coca Cola Bottling Co., 1115 Clark Ave., purchased 267 x 300 x 350 ft. site and making preliminary plans 2 story and basement, rein.-con. and brick, North Market St. $150,000.

Ark., Helena — WAREHOUSE — City takes bids early in 1926, 100 x 300 ft. fireproof warehouse, pile and timber incline with mechanical truck hauls, etc. same being one of terminal projects developing in Mississippi and Ohio Rivers for barge line transportation. $280,000. W. F. Schulz, Shrine Bldg., Memphis, Tenn., engr. and archt.

Tex., Brownsville—COTTON GIN—Valley Gin Co., San Benito, H. P. Boyd, genl. mgr., plans cotton gin 5 stand, 60 saw capacity, here.

Tex., Lubbock — MILL, etc. — Whaley Mill & Elevator Co., c/o J. C. Whaley & associates and Whaley Lumber Co., purchased site, etc., and plans 6 story and part basement, rein.-con. and brick mill and grain elevator, plain foundation. $250,000. Private plans.

Tex., Palestine—ICE PLANT—Palestine Ice Co., c/o W. B. McNaughton, plans rebuilding plant recently destroyed by fire. $70,000. Engineer and architect not selected.

Tex., San Antonio — BOOKBINDING PLANT—Universal Publishing Syndicate, 117 Soledad St., purchased site and plans 2 story, 65 x 95 ft., rein.-con. and brick, Market St. $100,000.

Colo., Denver — STEEL PLANT — Colorado Fuel & Iron Co., Boston Bldg., E. H. Weitzel, vice pres. and genl. mgr. Minnequa Steel Wks., plans new steel plant. $1,500,000.

Ore., North Portland—PAPER MILL—G. T. Mickle Lumber Co. having plans prepared paper mill, on water front. To exceed $1,000,000. Engineer and architect not announced.

Calif., Los Angeles—SUB-STATION—Bureau of Power & Light, 207 South Bway., had plans prepared, three 75 x 125 ft. each, rein.-con. sub-stations in South Normandie and North Commonwealth Aves., and Trinity St. To exceed $250,000.

Calif., San Juan—CEMENT MILL—Old Mission Portland Cement Co., Standard Oil Bldg., San Francisco, plans additional buildings and equipment to increase cement mill capacity. $750,000 funds appropriated.

Calif., Stockton—REFINERY—Calaveras Copper Co., Copperopolis, plans copper refinery and wire drawing plant, on waterfront. $500,000.

Calif., Venice—ICE and COLD STORAGE PLANT—J. M. Noell, 940 Venitian Ave., having plans prepared, ice and cold storage plant. $125,000.

Ont., Sandwich — SALT PLANT — Canadian Salt Co. plans prepared for enlarging plant. $40,000.

BIDS DESIRED

Conn., Waterbury — FACTORY — Lux Clock Mfg. Co., 97 Sperry St., taking bids 5 story and basement, 50 x 322 ft., brick and steel addition. Noted Nov. 12.

O., Wooster—INDUSTRIAL—Jan. 13, by Dept. Welfare, 9th and Oak Sts., Columbus, 3 story, 38 x 100 ft., brick industrial building, $50,000, 2 story, 30 x 60 ft. apple storage building, $8,000, and 1 story 58 x 66 ft. greenhouse, $15,000, here. H. H. Briggs, Ohio Hartman Bldg., Columbus, engr.

Ind., Evansville—FACTORY—See "Contracts Awarded."

Buildings—Industrial (Continued)

Mo., Kennett—ICE PLANT—See "Contracts Awarded."

Tex., Ft. Worth—FREIGHT DEPOT—Jan. 28, by Gulf, Colorado & Santa Fe Ry. Co., F. Merritt, ch. engr., Galveston, 1 story, 300 ft. long, rein.-con. and brick, 14th and Jones Sts., here. $150,000.

Calif., San Francisco — PRINTING PLANT—T. Ronneberg, engr., Crocker Bldg., taking bids 3 story, rein.-con., Sansome St., for Sunset Publishing Co. $150,000.

CONTRACTS AWARDED

N. Y., Port Richmond (Sta. Staten Island) — PLANT — Proctor & Gamble, Western Ave., 2 additional buildings with separate furnace and generator building for hydrogen gas equipment, to H. K. Ferguson Co., 4900 Euclid Ave. Bldg., Cleveland, O. Archts. est. to exceed $150,000.

N. J., Atlantic City—PRESS—W. F. B. Koelle, archt., Otis Bldg., Phila., Pa., 1 story and basement, 100 x 155 ft., rein.-con., brick and steel, plain foundation, North Carolina and Caspian Aves., to W. B. Markland Co., Guarantee Trust Bldg., Atlantic City, for News Publishing Co. Noted Dec. 10.

Pa., Columbia—MANUFACTURING—O. K. Clutch & Mchy. Co., 1 story, 70 x 140 ft. plant, to Austin Co., 16112 Euclid Ave., Cleveland, O. Engrs. est. $40,000.

Ga., Atlanta—ICE PLANT—T. K. Night Co., 61½ Forsyth St., 1 story, 158 x 200 ft., 60 tons daily capacity, to Barge-Thompson Co., 61½ North Forsyth St. Archts. est. $125,000.

Fla., Miami — ICE PLANT — Riverside Ice & Cold Storage Co., 438 Southwest 17th St., 2 story, 94 x 145 ft., concrete block, to G. H. Simmonite, 719 Northwest 13th Ave., $40,000.

Tenn., Oneida — MACHINE SHOP — Oneida Mchy. Co., 1 story, 75 x 142 ft., steel, to Austin Co., 16112 Euclid Ave., Cleveland, O.

O., Cleveland—FOUNDRY — Aluminum Co. of America, C. O. Tessier, mgr., 2610 Harvard Ave., 800 tons steel for 1 story, 50 x 300 ft., steel addition, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $100,000.

O., Cleveland — FACTORY — Ferro Machine & Fdry Co., J. T. Stoney, mgr., East 66th St. and Hubbard Ave., 1 story, 60 x 160 ft. and 60 x 140 ft., brick and steel factory buildings, to S. W. Emerson Co., Union Bldg. Archts. est. $75,000.

O., Cleveland—FACTORY—S. Klausner & Sons, S. Klausner, pres., 2715 East 51st St., 1 story, 120 x 265 ft., brick and timber, 5207 Grand Ave., to A. Wasserman, 11108 Kinsman Rd. Archts. est. $75,000.

O., Cleveland — HEAT TREATING PLANT—The Elwell-Parker Electric Co., M. S. Townson, genl. mgr., 4205 St. Clair Ave., 1 story, 60 x 60 ft., brick and steel, 4205 St. Clair Ave., to S. W. Emerson Co., Union Bldg. Archts. est. approximately $40,000.

O., Plymouth—FACTORY — Fate-Root Heath Co., 1 story clay working factory, brick and steel, to Austin Co., 16112 Euclid Ave., Cleveland. Archts. est. $40,000.

Ind., Evansville — FACTORY — Amer. Woodcraft Corp., will build 1 story, 60 x 360 ft. and 60 x 200 ft. fireproof furniture factory, West Pennsylvania Ave., by day labor. $120,000. A. E. Neucks, Old State Bank, archt.

Ind., Hartford City—FACTORY—Hartford City Paper Co., 2 story and basement, 40 x 44 ft., fireproof factory, to Indiana Eng. & Constr. Co., Central Bldg., Ft. Wayne. Archts. est. $50,000. Private plans.

Ind., Indianapolis—HOSIERY MILL—Real Silk Hosiery Mills, 624 North Noble Ave., 2½ story and basement, 100x200 ft., rein.-con., brick and steel, concrete pile foundation, Noble St., to W. P. Jungclaus Co., 825 Massachusetts Ave. Archts. est. $160,000.

Ind., Mishawaka — STEEL PLANT — Amer. Fdry. Co., 2 story, 100 x 200 ft., brick, steel and rein.-con., to R. Sollitt & Sons, South Bend. Archts. est. $40,000. Private plans.

Ill., Maywood — PLANT — Canada Dry Brewing Co., 25 West 43rd St., New York City, C. O. Taylor, pres., 1 story and part basement, 300 x 300 ft., concrete and brick, here, to Avery-Brundate Co., 110 South Dearborn St., Chicago. Archts. est. $300,000. Noted Dec. 17.

Ill., Rock Falls—WIRE MILL—Russell-Burdsall-Ward Co., South St., Port Chester, N. Y., 1 story, 85 x 160 ft., steel, here, to Austin Co., 160 North La Salle St., Chicago.

Wis., Combined Locks—PAPER MILL—Combined Locks Paper Co., 2 story, 102 x 170 ft., brick, concrete and steel addition, plain foundation, here, to C. R. Meyer & Son, 50 State St., Oshkosh.

Neb., Omaha—ICE PLANT—Peoples Ice & Cold Storage Co., 1224 Chicago St., general contract remodeling and constructing ice plant addition, to Parson Constr. Co., 404 Arthur Bldg. Archts. est. $100,000.

Mo., Kennett — ICE PLANT — Ark-Mo Power Co., Kennett, will build ice plant. $200,000. Work will be done by separate contracts. Ophuls & Hill, Inc., 112 West 42nd St., New York City, N. Y., engrs.

Mo., North Kansas City—FACTORY—Mapes Consolidated Mfg. Co., Griffin, Ind., 1 story, 200 x 250 ft., brick and steel factory, here, to C. G. Martin, c/o C. B. Sloane, archt., 321 East 11th St., Kansas City. Archts. est. $125,000.

Tex., Denton—ICE PLANT—Crystal Ice Co., 1 story, 40 x 60 ft., brick and stone, 35 tons daily capacity, to F. J. Johnson, 2409 East 1st St., Austin. Archts. est. $90,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—APARTMENT—D. Stern, 294 Washington St., having plans prepared by G. N. Jacobs, 4 Park St., 6 or 7 story and basement, 5,000 sq.ft. floor space, brick and stone, Pinckney St. To exceed $150,000.

Mass., Braintree (Ind. br. Boston) — STORE and OFFICE—C. M. Clifford, 106 Main St., Brockton, plans 3 story and basement, rein.-con. and brick, Washington St., here, $150,000. Engineer and architect not selected.

Mass., Gardner — THEATRE — Gardner Realty Corp., c/o B. L. Cohn, Gardner, plans 1 story and basement, brick and steel, Parker St. $150,000. Engineer and architect not selected.

Mass., Lynn — BANK — Commonwealth Savings Bank, 345 Union St., plans 1 and 2 story and basement, brick. $150,000. Engineer and architect not selected.

Mass., Malden (br. Boston) — APARTMENT — A. E. Morton, 36 Mountain Ave., having plans prepared by C. F. Springall, 50 Concord Ave., 3 story and basement, brick, Mountain Ave. $150,000.

Conn., New Britain—BUSINESS—Commercial Trust Co., J. C. Loomis, pres., 274 Main St., having plans prepared by A. Hopkins, 451 Lexington Ave., New York City, and takes bids about Jan. 15, 6 story, 60 x 135 ft., brick and steel, West Main St. $250,000.

N. Y., Brooklyn — APARTMENT — Shampan & Shampan, archts. and engrs., 188 Montague St., preparing plans brick, steel and stone, plain foundation, Eastern Parkway and Underhill Ave. $1,000,000. Owner's name withheld.

N. Y., Brooklyn — APARTMENT — Shampan & Shampan, engrs. and archts., 188 Montague St., preparing plans brick, steel and stone, plain foundation, St. Marks Ave. $800,000. Owner's name withheld.

N. Y., Brooklyn—WAREHOUSE—Long Island Storage Warehouse, E. T. Jenkins, pres., Gates and Nostrand Aves., having plans prepared by Tillion & Tillion, engrs. and archts., 415 Lexington Ave., New York City, rein.-con., brick and steel, plain foundation, Ocean Parkway. $1,000,000.

N. Y., New York — APARTMENT — Resca Realty Corp., c/o G. Nordham, engr. and archts., 18 West 34th St., having plans prepared 6 story, brick, steel and stone, plain foundation, Nagle Ave. $400,000.

N. Y., New York — APARTMENTS — Tolosi Building Corp., c/o W. Koppe, engr. and archt., 565 East Tremont Ave., having plans prepared two 6 story, 100 x 120 ft., brick, steel and stone, plain foundation, Kingsbridge Rd. $225,000.

N. Y., New York — HOSPITAL — New York Psychiatric Institute & Hospital, 168th St. and Bway., having plans prepared by S. W. Jones, Capitol, Albany, rein.-con., steel and stone, plain foundation, 168th St. and Bway. $1,600,000.

N. Y., New York — HOSPITAL — St. Marks Hospital, 177 2nd Ave., having plans prepared by Crow, Lewis & Wick, engrs. and archts., 200 5th Ave., 5 story, 90 x 111 ft., brick, steel and stone, plain foundation, 233 East 11th St. $400,000.

N. Y., New York — HOTEL — Fifty-Seventh Street and Fifth Avenue Corp., G. M. Heckscher, pres., 730 5th Ave., having plans prepared by Allen & DeYoung, Inc., 277 Park Ave., 42 story, brick, steel and stone, plain foundation, 57th St. and 5th Ave. $7,500,000.

N. Y., New York — OFFICE — Court Square Building, Inc., c/o Buchman & Kahn, engrs. and archts., 49 West 45th St., having plans prepared 21 story, 100 x 186 ft., brick, steel and stone, plain foundation, Reade and Elm Sts. $2,500,000.

N. J., Camden—OFFICE—Medical Arts, c/o Edwards & Green, archts., Van Russ Bldg., Camden, having plans prepared 8 story and basement, 50 x 120 ft., rein.-con., brick and steel, plain foundation, Bway. and Stevens Sts. $400,000.

N. J., Merchantville (Ind. br. Camden) — APARTMENT — Greenberg Apartments, c/o Edwards & Green, archts., Van Russ Bldg., Camden, having plans prepared 3 story and basement, 93 x 135 ft., brick and stone, plain foundation. $200,000.

N. J., Newark—OFFICE—N. T. Hall Assn., c/o F. Grad, archt., 1023 Broad St., having plans prepared 18 story, brick, steel and stone, plain foundation, Broad and West Kinney Sts. $1,750,000.

N. J., Newark — THEATRE — G. Furst, c/o F. Grad, engr. and archt., 1023 Broad St., having plans prepared brick, steel and stone, plain foundation, Orange Ave. $250,000.

N. J., Newark—WAREHOUSE—L. S. Plant & Co., 715 Broad St., having plans prepared by Starrett & Van Vleck, engrs. and archts., 393 7th Ave., New York City, rein.-con., brick and steel, plain foundation, New St., here. $400,000.

N. J., New Lisbon — SANATORIUM — Burlington Co., Mt. Holly, plans improving tuberculosis sanatorium and insane asylum, here. $160,000. H. B. Smith, Mt. Holly, engr.

Pa., Elkins Park (Ind. br. Phila.) — APARTMENT—H. Pearl, 625 South 63rd St., Phila., having preliminary plans prepared 4 story and basement, 26 x 172 ft., rein.-con., brick and steel, plain foundation, York Rd. and Ashbourne St. Engineer and architect not selected.

Pa., Phila. — APARTMENT — Myers & Shaw, archts., Bankers Trust Bldg., making plans 8 story and basement, 20 x 140 ft., rein.-con., brick and steel, plain foundation, 1404 Spruce St. $180,000. Owner's name withheld.

Pa., Phila. — INFIRMARY — Methodist Episcopal Home, J. T. Carson, secy., 2139 Huntingdon Ave., having plans prepared by H. W. Castor, Stephen Girard Bldg., 3 story and basement, rein.-con., brick and steel, plain foundation, Edgely and Belmont Sts. $250,000.

Pa., Phila. — SALES and SERVICE — Duff Nash Motor Co., 1113 South Broad St., having plans prepared by P. S. Tyre, 114 South 15th St., 3 story and basement, 86 x 100 ft., rein.-con. and brick, plain foundation, Broad St. and Washington Ave. $150,000.

Pa., Phila.—STORAGE WAREHOUSE—Wallace Storage Co., 1826 North 20th St., having revised plans prepared by G. S. Kingsley, engr. and archt., 1452 Bway., New York City, N. Y., 6 story and basement, 75 x 120 ft. rein.-con. and brick, plain foundation, 237-53 Church Lane. $300,000. This corrects report in Dec. 17 issue.

Pa., Phila.—University of Pennsylvania, B. W. Frazier, pres., 1600 Walnut St., plans Y. M. C. A., 36th and Locust Sts. $750,000. Engineer and architect not selected.

Md., Baltimore — STORE, etc. — Montgomery Ward & Co., 618 West Chicago Ave., Chicago, Ill., having plans prepared and 8 story and basement, and 2 story, 140 x 200 ft. additions, plain foundation, Washington Blvd. and Monroe St., here. $800,000. W. H. McCaully, c/o owner, engr. Noted Dec. 17.

Md., Roland Park (Sta. Baltimore) — HOME—Bureau Catholic Charities, E. L. Leonard, pastor, 408 North Charles St., Baltimore, having plans prepared by G. R. Callis, Hearst Tower, Baltimore, 3 story and basement, brick and steel, plain foundation, here. $200,000.

D. C., Wash.—GARAGE—Capitol Garage Co. had sketches made by A. B. Heaton, Maryland Bldg., garage, New York Ave. between 13th and 14th Sts. $1,000,000.

Fla., Arcadia—HOSPITAL—DeSoto Co. having preliminary plans prepared by Pugin & Wallace, Union St., Nashville, Tenn., for hospital. $300,000. Noted Nov. 12.

Fla., Sarasota—CITY HALL—Election Jan. 19, $500,000 bonds, city hall. J. Burkett, city clk.

Miss., Hattiesburg — HOSPITAL — Methodist Episcopal Church having preliminary plans prepared by W. F. Schulz, archt. and engr., Shrine Bldg., Memphis, Tenn., 75 bed hospital. $175,000.

Tenn., Memphis — COMMERCIAL — Standard Sanitary Supply Co., Bessemer Bldg., Pittsburgh, Pa., having plans prepared by Hanker & Cairns, Scimitar Bldg., 4 story, 70 x 250 ft., rein.-con. and brick, Beale Ave. and Southern R.R. tracks, here. $250,000.

Tenn., Memphis—OFFICE—C. F. Farnsworth, 1720 Central St., having plans prepared by E. L. Harrison, Fidelity Bank Bldg., 12 story, 68 x 75 ft., concrete, brick and stone, South Main St. and Union Ave. $500,000.

O., Cleveland — COMMERCIAL and APARTMENT — Larchmere-Moreland Co., P. J. Spitz, pres., 814 Swetland Bldg., having plans prepared by A. W. Harris, Guarantee Title Bldg., 2 story and basement, 70 x 250 ft., brick, Larchmere and Moreland Blvds. $200,000.

Buildings—Commercial (Continued)

O., Lakewood (br. Cleveland)—STORE, OFFICE and APARTMENT—Estates & Investment Co., B. F. Keith Bldg., Cleveland, having plans prepared by Schabel & Grimm, 355 Erie Bldg., Cleveland, 3 story and basement, 60 x 130 ft., brick, Detroit and Ethel Aves., here. $200,000.

Ill., Chicago — APARTMENT — H. J. Kusel, 35 South Dearborn St., having plans prepared by T. R. Bishop, 35 South Dearborn St., and takes bids about Jan. 7, 7 story, 75 x 145 ft., brick and terra cotta, 1236 Madison Park Ave. $400,000.

Ill., Chicago—APARTMENT—Sheridan-Aldine Building Corp., c/o Krenn & Dato, Inc., 936 North Michigan Ave., having plans prepared by Rissman & Hirschfield, 64 West Randolph St., 16 story and basement, 107 x 173¾ ft., rein.-con., brick, stone and terra cotta, 3300 Sheridan Rd.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grave Ave., having plans prepared by L. White, 57th St. and Cottage Grove Ave., 1 story, 160 x 230 ft., brick and steel field house in La Grange Park at Garfield Blvd. and South Western Ave. $350,000.

Ill., Chicago—HOTEL—D. G. Wallace, archt., 22 West Monroe St., soon takes bids 4 story, brick and terra cotta hotel, Drexel Blvd. and 42nd Pl., for J. S. Smith, c/o architects. $750,000.

Ill., Chicago—THEATRE, APARTMENT and STORE—F. Ragen, et al, 7531 Stony Island Ave., having sketches made by J. Eberson, 212 East Superior St., 7 story, rein.-con., brick and terra cotta, Exchange and Saginaw Aves., 75th and 76th Sts. $2,500,000.

Wis., Beloit — BANK — Beloit Savings Bank, 119 West Grand Ave., purchased site and plans 2 story, brick and stone, plain foundation, North State St. $150,000. Engineer and architect not selected.

Wis., Eau Claire—MASONIC TEMPLE—Masonic Bd. Trustees, G. B. Wheeler, pres., plans 2 or 3 story, brick, stone and concrete, plain foundation. $300,000. Engineer and architect not selected.

Wis., Kenosha — APARTMENT and BUSINESS — Plous Bros., 1075 Sheridan Rd., having plans prepared by A. Epstein, 2001 West Pershing Rd., Chicago, Ill., 3 story and basement, brick, terra cotta and concrete, plain foundation, Prairie St. $150,000.

Wis., Kenosha—TELEPHONE—Wisconsin Telephone Co., 418 Bway., Milwaukee, purchased site and plans 3 story and basement, brick and concrete, plain foundation, Congress St. Engineer and architect not selected.

Kan., Concordia—HOSPITAL—Sisters of St. Joseph plans Mary Rose, Mother Superior Hospital. $500,000.

Mo., St. Louis—CLUB—St. Louis Club, c/o W. F. Carter, chn., Boatmens Bank Bldg., will not construct 6 story and basement, 200 x 216 ft., club, Kingshighway Blvd. and Maryland St. Project abandoned. Noted May 21.

Mo., St. Louis—REFECTORY, etc.—Bd. Pub. Serv., 208 City Hall, had plans prepared by H. E. George, c/o Div. Parks, Municipal Courts Bldg., 1 story and basement, 94 x 210 ft., brick and concrete refectory, lockers, shower baths, etc., in Forest Park, $150,000; also 2 story, 30 x 75 ft., brick and concrete stables, O'Fallon Park, $25,000.

Ark., Hot Springs—HOTEL—Howe Hotel Co., c/o J. W. Howe et al, having preliminary plans prepared 6 story and basement, 60 x 110 ft., rein.-con., brick, steel and stone, Central Ave. and Canyon Sts. $250,000.

Tex., Ft. Worth—OFFICE—J. H. Jones, Houston, c/o W. C. Hedrick, representative, 100 Ashland St., Ft. Worth, plans 16 story and basement, 85 x 100 ft., rein.-con., brick, steel and stone, Lamar and West 7th Sts. $1,000,000. Engineer and architect not selected.

Tex., Wichita Falls — HOTEL — O. F. Marchman, 813 Scott St., having plans prepared by Sorey & Vahlberg, engrs. and archts., 813 Scott St., and Braniff Bldg., Oklahoma City, Okla., 4 story and basement, 75 x 150 ft., rein.-con., brick and stone, plain foundation. $150,000.

Okla., Ada — COURTHOUSE — Pontotoc Co. voted $150,000 bonds 2 story and basement court house, Central St. Engineer and architect not selected. Noted Nov. 26.

Okla., Blackwell—HOTEL—J. P. Larkin, Herington, having preliminary plans prepared 3 story, 75 x 140 ft., rein.-con. and brick addition to Larkin Hotel, Dewey St., here. $200,000. Engineer and architect not selected.

Okla., Oklahoma City—OFFICE—Patterson Bros., 1404 North Lottie St., having preliminary plans prepared 3 story, 100 x 150 ft., rein.-con. and brick addition to Patterson Building, West Main St. $200,000. Engineer and architect not selected.

Wash., Tacoma—HOTEL—Heath, Gove & Bell, archts., P. S. Bank Bldg., take bids about Jan. 14, 5 story (ultimately 8 story) and basement, 100 x 120 ft., rein.-con., brick and steel, 9th St. and Pacific Ave., for C. Drury, Anconla Apartments. $175,000. Noted Dec. 17.

Ore., Portland—HOTEL—Portland Hotel Co., 6th and Morrison Sts., having plans prepared by C. Richardson, Lewiston, Idaho, remodeling and constructing addition to Portland Hotel, Morrison, Yamhill, 5th and 6th Sts. $1,000,000. Noted June 18.

Ore., Portland—OFFICE—M. A. Mayer having plans prepared by H. P. Bergen, Henry Bldg., and M. Schachr, Yeon Bldg., 4 story, 100 x 100 ft., rein.-con., 12th and Morrison Sts. $200,000.

Calif., Alhambra—APARTMENT—Community Hotel Co. of Alhambra had plans prepared by Starrett & Payne, Western Mutual Life Bldg., Los Angeles, 5 story and basement, 90 x 170 ft., rein.-con., 1st St. and South Garfield Ave. $250,000.

Calif., Hollywood — CLUB — Hollywood Council, Knights of Columbus, P. J. Cooney, chn. Bd. Comm., Black Bldg., Los Angeles, plans 3 story and basement, probably brick, Highland Ave. $150,000.

Calif., Los Angeles — HOSPITAL — Los Angeles Co. had plans prepared by Allied Architects Assn., Citizens Natl. Bank Bldg., (1st unit) group rein.-con. hospital buildings. $5,000,000. Total est. $8,000,000. Noted Oct. 8.

Calif., Oakland—APARTMENT—C. N. Burrell, archt., 250 Grand Ave., preparing preliminary plans 5 story and basement, brick and steel in downtown section. $200,000. Owner's name withheld.

Calif., Oxnard—LODGE and OFFICE—B. P. O. E. plans 2 or more story, fireproof building, Main and Ash Sts. $150,000.

Calif., San Francisco—APARTMENT—Lacey & Steur, c/o J. C. Hladik, archt., Monadnock Bldg., having plans prepared, 8 story and basement, rein.-con., Hyde St. and O'Farrell St. $200,000.

Calif., Sacramento — BANK — United Bank & Trust Co., having plans prepared by Gottschalk & Rist, 760 Market St., San Francisco, 1 or 2 story and basement, 7th and J Sts. $200,000.

Calif., San Francisco—APARTMENT—E. Tropp, 129 Sutter St., having preliminary plans prepared by Hyman & Appleton, 68 Post St., 14 story and basement, Pacific Ave. $750,000.

BIDS DESIRED

Mass., Attleboro—THEATRE—Jan. 6, by Eagle Building Assn., c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, 4 story and basement, 112 x 240 ft., brick and steel, Bank St. $350,000.

Mass., Roxbury (Boston P. O.)—HOSPITAL—City, Institutions Dept., Boston taking bids, altering and constructing 3 story and basement, brick, Parker Hill Ave., here. $1,000,000. O'Connell & Shaw, 134 Newbury St., Boston, archts. Noted Aug. 20.

Mass., Sharon—HOTEL—Springers Inn, taking bids 4 story and basement, brick, Massapoag Ave. $150,000. A. Rosenstein, 220 Devonshire St., Boston, archt. Noted Nov. 19.

R. I., Providence—APARTMENT—See "Contracts Awarded."

Pa., Fox Chase (Sta. Phila.) — HOSPITAL — Jan. 7, by Heacock & Hokenson, archts., 1211 Chestnut St., Phila., making plans 42 x 185 ft. 40 x 43 ft. and 53 x 58 ft. hospital, 53 x 100 ft. administration building, and 38 x 157 ft. nurses home, each 2½ story and basement, rein.-con., brick and steel, plain foundation, Filmore, Shelmire, Hartel and Hasbrook Sts., here, for Jeanes Memorial Hospital, c/o architects.

Md., Baltimore — APARTMENT — See "Contracts Awarded."

O., Canton — GARAGE — North Market Realty Co., taking bids 2 story and basement, 88 x 200 ft., Tuscarawas St., W. $150,000.

O., Youngstown—APARTMENT—Apr. 1, by G. L. Oles, 7 story and basement, 100 x 170 ft., stone, Boardman and Phelps Sts. $750,000.

Ill., Chicago—APARTMENT—Weinstein & Goldman, 1222 Blue Island Ave., taking bids 3 story and basement, 122 x 134 ft., brick, Warren Ave. near California Ave. $200,000. E. J. Patelski, 179 North Wells St., archt.

Ill., Chicago—APARTMENT—See "Contracts Awarded."

Ill., Chicago — NATATORIUM — E. J. Potelski, archt., 179 North Wells St., taking bids rebuilding, etc. natatorium 1432-1440 North Wells St., for F. W. Brinkman, 1432 North Wells St. $150,000.

Okla., Tulsa—CIVIC HEADQUARTERS—Jan. 15, by Rush, Endicott & Rush, archts., 404 New Wright Bldg., 10 story and basement civic headquarters for Chamber of Commerce. Noted Dec. 17.

Okla., Walters — COURT HOUSE and JAIL — Jan. 18, by Tonini & Bramblett, archts., 416½ Main St., Oklahoma City, 3 story and basement, 74 x 90 ft., rein.-con. and stone court house and jail, for Cotton Co. $150,000. Noted June 18.

Calif., Berkeley — THEATRE — M. T. Jorgensen, archt., 110 Sutter St., San Francisco, taking bids rein.-con., 1,400 seating capacity University and San Pablo Aves., here, for Golden State Theatres, Inc., c/o architect.

Calif., Los Angeles—THEATRE, STORE and OFFICE—W. H. Fisher, Union Oil Bldg., taking bids 2 story, 135 x 162 ft. theatre section, 2,000 seating capacity, and 35 x 140 ft., timber office section, Wilshire Blvd. near La Brea Ave. $200,000. L. A. Smith, Film Exch. Bldg., archt. Noted Dec. 17.

Calif., Santa Barbara—HOTEL—W. A. Edwards and associates, archts., 1405 Anacapa St., taking bids 4 story, brick and concrete, for J. H. Fast. $200,000. Noted Nov. 12.

BIDS RECEIVED

Minn., Hopkins—POOR HOUSE—G. H. Mallon, chn. Bd. Comrs. Hennipen Co., Court House, general contract 3 story and basement, rein.-con., brick and stone poor house, incl. laundry and equipment, from J. C. Nelson & Son, 915 North East Bway., Minneapolis, $134,300. Noted Dec. 3.

CONTRACTS AWARDED

Mass., Greenfield — BUSINESS — J. B. Chevalier & Sons, 220 David St., 2 story and basement, 50 x 115 ft., brick, to Thomas Bros., City Rd., Turners Falls. Archts. est. $150,000.

Mass., Malden (Boston P. O.)—MAIL ORDER—Perry Pictures Co., 42 Dartmouth St., 3 story and basement, rein.-con. and brick, 116-118 Mountain Ave., to Gascoigne & Co., Inc., 6 Beacon St., Boston. Archts. est. $150,000. Noted Oct. 22.

Mass., Watertown—OFFICE—Hood Rubber Co., Nicholas Ave., 5 story and basement, 95 x 115 ft., rein.-con., 4th and Nicholas Ave., to Aberthaw Co., 27 School St., Boston. Archts. est. $200,000 or more.

R. I., Providence — APARTMENT — H. Soren, 199 Sacket St., will build 3 story and basement, 70 x 105 ft., brick, Ontario and West Broad Sts. $150,000. Work will be done by separate contracts. Page & Page, 87 Weybosset St., archts.

N. Y., Brooklyn—BANK—Dime Savings Bank, DeKalb Ave., 2 story, brick, steel and stone, plain foundation, DeKalb Ave. and Fleet St., to Realty Associates, 162 Remsen St. Archts. est. $500,000.

N. J., Glen Gardner—HOSPITAL—State Bd. Institutions & Agencies, Trenton, general contract childrens unit at state hospital, here, to Butler-Reisdorf, 20 East 41st St., New York City, $187,000. Noted Nov. 26.

N. J., Moorestown—BANK—Davis, Dunlap & Barney, archts., 805 South Walnut St., Phila., Pa., 1 story, mezzanine and basement, 42 x 83 ft., rein.-con., brick and steel, plain foundation, here, to R. C. Ballinger, 925 Walnut St., Phila., Pa., for Moorestown Trust Co. Noted Nov. 19.

N. J., Newark—THEATRE—J. Stern, 207 Market St., 1 story, brick, steel and stone, plain foundation, South Orange Ave., to W. J. McEvoy Constr. Co., 85 Academy St. Archts. est. $450,000.

Pa., Pittsburgh—SALES and SERVICE—Eric Fisher Wood Co., archts., Wood and Olive Aves., general contract 2 story and basement, 106 x 150 ft., rein.-con., Center Ave., to Conley & DeMey, 127 North Hiland Ave.; sub-structure, to Schriber Constr. Co., Bessemer Bldg., for F. D. Saupp, Inc., Center Ave. Archts. est. $250,000. Noted Dec. 10.

Pa., Sayre—HOSPITAL—Robert Thatcher Hospital, 2 story, brick hospital building, to C. M. Thompson & Co., Towanda.

Md., Baltimore—APARTMENT—F. Carrozza, 5209 York Rd., will build 4 story, 95 x 150 ft., brick, plain foundation, Charles and 25th Sts., by day labor. $150,000. Private plans.

Fla., Jacksonville — WAREHOUSE — Larrey & Delcher Storage Co., Inc., 4 story, 105 x 105 x 210 ft., rein.-con., to G. W. Hessler, Inc., West Bldg., $200,000.

La., Shreveport — BUSINESS — G. F. Bishop, c/o G. F. Bishop, Inc., general contract (1st unit) 5 story addition, Spring and Milam Sts., to Glassell-Wilson Co., Inc., Shreveport, $56,000. Noted Oct. 15.

O., Cleveland — COMMERCIAL and APARTMENT—Carlton Impvt. Co., c/o A. Brabowski, 826 Williamson Bldg., 2 story and basement, 65 x 133 ft., brick, Detroit Ave., to I. and B. Dolinsky, 2214 East 83rd St. Archts. est. $150,000. Noted Oct. 1.

Buildings—Commercial (Continued)

Ill., Chicago—APARTMENT—F. Miller, 1254 North Western Ave., will build 3 story, 100 x 140 ft., rein.-con. and steel, 1537-1543 North California Ave., by day labor. $400,000.

Ill., Chicago—APARTMENT HOTEL—Oldefest & Williams, archts., 605 North Michigan Ave., general contract 7 story, 50 x 120 ft., rein.-con., brick and terra cotta, 620-622 Gary Pl., to J. Shedden & Co., 106 North La Salle St., for Angelus Building Corp., c/o architects. Noted Dec. 17.

Ill., Chicago—HOTEL—Oldefest & Williams, archts., 605 North Michigan Ave., masonry and concrete contract 15 story, 48 x 120 ft., rein.-con., brick and terra cotta, 644 Cass St., to E. W. Sproul Co., 2001 West Pershing Rd.; carpentry, to Olson Bros., 6901 Euclid Ave., for Case Street Building Corp., c/o architects, Archts. est. $800,000. Noted Nov. 5.

Ill., Peoria—HOTEL—Hewitt & Emerson, archts., 1600 Peoples Life Bldg., Pere Marquette Hotel, 13 story and basement, 123 x 171 ft., rein.-con., brick, steel and stone, concrete pile foundation, Main and Madison Sts., to V. Jobst & Sons, Lehman Bldg., for E. C. May and associates, Peoria Life Bldg. $1,500,000. Noted Dec. 10.

Ill., Riverside—APARTMENT—Riverside Building Corp., 3 story and basement, 95 x 140 ft., concrete, brick, stone and steel, Park Ave. and Lincoln St., to Building Dept., City State Investment Co., 130 North Wells St., Chicago. Archts. est. $150,000.

Kan., Kansas City—COURT HOUSE—Wyandotte Co., 6 story and basement, 155 x 220 ft., rein.-con. and Bedford stone, plain foundation, 7th St., Ann and Barnett Aves., to Swenson Constr. Co., Shubert Theatre Bldg., Kansas City, Mo., $912,020. Noted June 4.

Kan., Oberlin—COURT HOUSE—Decatur Co., general contract 4 story and part basement, 69 x 96 ft., brick and stone, to Cook & Ferrier, Manhattan, $103,566. Noted Dec. 3.

Mo., St. Louis—APARTMENT and STORE—D. Garfinkel, 6943 Gravois Ave., 2 story and basement, rein.-con., brick and stone, Grand St. at Kingshighway Park, to B. J. Charleville Building & Real Estate Co., 114 North 7th St. Archts. est. $150,000.

Mo., St. Louis—STORE—McCrory Stores Corp., 1107 Bway., New York City, N. Y., 4 or 10 story and baement, 104 x 120 ft., steel, concrete, brick and stone, 6th and Charles Sts., caissons and foundation, to Lotz Constn. Co., Dolph Bldg.; structural steel, to Mississippi Valley Structural Steel Co., Arcade Bldg.; and erecting steel frame, to St. Louis Erection Co., Syndicae Trust Bldg. Noted Nov. 12.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Malden (br. Boston) — HIGH SCHOOL—City, Bd. Education, plans new Junior High School, Marcus Beebe Estate. To exceed $150,000. Engineer and architect not selected.

Mass., Saugus (Ind. br. Lynn)—SCHOOL—Town, Bd. Selectmen plans new school, Lincoln Ave. $160,000. Engineer and architect not selected.

Mass., Webster—HIGH SCHOOL, etc.—Town, Bd. Educ., having sketches made by M. A. Dyer, 1 Beacon St., Boston, Junior High School and Municipal Building, 2 story, brick and stone, 390 Main St. To exceed $150,000.

Conn., West Hartford (br. Hartford)—CHURCH—St. Thomas the Apostle, J. F. Callahan, pastor, having plans prepared by Whiton & McMahon, 805 Main St., 1 story, 65 x 170 ft., brick and steel, Farmington Ave. $200,000.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, 5 story, 61 x 200 ft., brick, steel and stone, plain foundation, 105 East 111th St. $433,000.

N. Y., Oneonta—SCHOOL—Voted $210,000 bonds, new school.

N. J., Haddonfield—HIGH SCHOOL—Bd. Educ., 132 Hartwick Rd., having plans prepared by Simon & Simon, 249 South Juniper St., Phila., Pa., 3 story and basement, rein.-con. and brick, plain foundation, Kings Highway. $500,000. Noted Nov. 12.

N. J., Perth Amboy—SCHOOL—Vocational School Bd. Middlesex Co. plans vocational school, New Brunswick Ave., here. $270,000. A. C. Clark, pres. Engineer and architect not selected.

Pa., Erie—SCHOOL—Bd. Educ., R. S. Scobell, bus. mgr., having sketches made by W. W. Meyers, Library Bldg., 2 story and basement, 14 room, brick, steel and concrete addition to Irving School. $175,000. Mayer & Valentine, Plymouth Bldg., Cleveland, O., mechanical engr.

Pa., Phila.—ZOOLOGICAL GARDENS—Zoological Society, c/o W. B. Cadwallader, 1206 Medical Arts Bldg., having plans prepared by A. H. Brockie, 254 South 15th St., stone and brick, plain foundation, 34th and Girard Sts. $250,000.

N. C., Kittrell—COLLEGE—Kittrell College plans science hall, administration building, dormitory and memorial chapel. $750,000 donation.

La., Boyce—SCHOOL—Rapides Parish School Bd., Alexandria, voted $225,000 bonds, schools, here. Favrot & Livaudais, Hibernia Bank Bldg., New Orleans, archts. Noted Dec. 3.

Tenn., Nashville—SCHOOL—Defeated $1,000,000 bonds, for 4 high schools. H. E. Howse, mayor. Noted Nov. 12.

O., Akron—JEWISH CENTER and TEMPLE—Jewish Center Co., c/o W. Makowitz, archt., 9806 Kempton Ave., Cleveland, having plans prepared 1 story and basement, 68 x 115 ft., and 22 x 115 ft., brick, steel and concrete, here. $200,000.

O., Chillicothe—SCHOOL—Bd. Educ. purchased site and having sketches made grade school. $265,000.

Ind., Greensburg—CHURCH—First Methodist Church, A. Whitman, pastor, 311 North Bway., takes bids about Jan. 19, brick and rein.-con. church. $150,000. H. Foltz, 843 Lemcke Ave., Indianapolis, Ind., archt. and engr.

Ind., Indianapolis—SCHOOL—School Bd., 150 North Meridian St., takes bids about Dec. 29, Grade School 78, 16 room, rein.-con., brick and steel, Shermon Dr. and Vermont St. $170,000. Pierre & Wright, Hume-Mansur Bldg., archts. W. Breining, Indianapolis, engr. Noted Oct. 15.

Mich., Ferndale (br. Detroit)—SCHOOL—Bd. Educ. Dist. 9, Royal Oak Twp., having plans prepared by H. T. Keyes, 635 Free Press Bldg., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, Nine Mile Rd. $200,000.

Ill., Alton—HIGH SCHOOL—Alton Consolidated School Dist. 151, H. H. Hewitt, secy., takes bids early in 1926, 3 story and basement, rein.-con., brick and stone, 6th and Langan Sts. $400,000. Rover, Danely & Smith, Urbana, and L. Pfeiffenberger & Sons, Alton, archts.

Wis., Marshfield—VOCATIONAL and JUNIOR HIGH SCHOOL—School Dist. 1, M. Hansen, clk., having plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, and soon takes bids 3 story, 36 x 207 ft. school, 60 x 108 ft. gymnasium and 70 x 104 ft. manual training shop, each 1 story, rein.-con., tile and brick, plain foundation. $240,000. Noted Nov. 26.

Minn., Minneapolis—ART INSTITUTE—Minneapolis Institute of Arts, J. R. Van Derlip, dir., 900 Metropolitan Life Bldg., plans rein.-con., stone and brick addition, 201 East 24th St. $150,000. Engineer and architect not announced.

Neb., Grand Island—CATHEDRAL—J. A. Duffy, Grand Island, having plans prepared by Brinkman & Hogan, P. O. Box 493, Emporia, Kan., 70 x 190 ft., stone cathedral. $250,000.

N. D., Grand Forks—SCHOOL—Election Jan. 5, $150,000 bonds, 3 story and basement, rein.-con. and brick addition, for Bd. Educ. J. B. DeRemer, 408 Security Bldg., archt.

Mo., Columbia—SCHOOLS—Voted $415,000 bonds, constructing 12 room Benton School, new high school and manual training addition to Fred Douglas High School. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted Nov. 19.

Mo., Lexington—SCHOOL—Voted $240,000 bonds, high school, for Bd. Educ. J. H. Felt & Co., 300 West 47th St., Kansas City, archts. Noted Dec. 10.

Mo., St. Louis—LIBRARY—Public Library Bd., c/o Central Library, 14th and Olive Sts., having preliminary plans prepared by Trueblood & Graf, Chemical Bldg., 2 story and basement, 45 x 100 ft. library with 30 x 60 ft. assembly hall annex, concrete, brick and stone, Grand Blvd. and Utah Pl. $150,000.

Tex., Dallas—HIGH SCHOOL—De Witt & Lemmon, archts., 507 South West Life Bldg., soon takes bids East Dallas High School, 3 story and basement, rein.-con., brick and stone, for Bd. Educ., c/o C. M. Moore, secy. $500,000.

Tex., Dallas—SCHOOLS—Lang & Witchell, archts., 300 Amer. Exch. Bank Bldg., preparing plans and soon take bids 8 or 10 room school, Preston Rd. and Mockingbird Lane, $50,000; also altering and construction Dallas High School, $200,000, for Bd. Educ., c/o J. S. Bradfield, pres., 1305 Elm St.

Tex., Lubbock—HIGH SCHOOLS—Bd. Educ., c/o S. Wilson, secy., having plans prepared by Peter & Haynes, 321-25 Temple Ellis Bldg., North Ward School, 2 story, 50 x 85 ft.; Southwest Ward School, 2 story, 70 x 150 ft.; Mexican School, 1 story, and 2 story, 50 x 80 ft. auditorium addition to high school. $170,000. Noted Nov. 19.

Okla., Norman—UNION—University of Oklahoma having preliminary plans prepared by Layton, Hicks & Forsythe, Braniff Bldg., 3 story and basement, 120 x 140 ft., brick and steel, plain foundation, on campus. $250,000. Noted Feb. 19.

Calif., Redding—HIGH SCHOOL—Plans election $150,000 or more bonds, constructing school for Shasta Union High School Dept.

Calif., San Francisco—SCIENCE—State Normal School having plans prepared by G. B. McDougall, Forum Bldg., Sacramento, 2 story, rein.-con., Haight and Webster Sts. $160,000.

BIDS DESIRED

Mass., Pittsfield—CHURCH—Christian Science Benevolent Assn., c/o J. McArthur Vance, archt., 24 North St., taking bids 1 story and basement, 70 x 100 ft., brick and stone church. $150,000.

Mass., Winchester—CHURCH and Parish House—Second Congregational Church, J. E. Whitley, pastor, taking bids 1 story and basement, brick and stone, Washington St. and Kenwin Rd. $150,000. F. A. Bourne, 177 State St., Boston, archt. Noted May 22, 1924.

Fla., Coral Gables—SCHOOL—Jan. 19, by Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., Miami, 1 story, 100 x 120 ft. auditorium, 2 story, 30 x 112 ft. class room, and 32 x 82 ft. cafeteria, rein.-con. and tile, here. $175,000. Kiehnel & Elliott, 930 Seybold Bldg., Miami, archts.

Fla., Miami—HIGH SCHOOL—Jan. 19, by Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., 3 story, 200 ft. area, rein.-con. and tile, 10th St. and 21st Ave. $250,000. A. Geiger, 424-427 Calumet Bldg. archt.

Fla., Miami Beach—HIGH SCHOOL—Jan. 19, by Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., Miami, 3 story, 200 sq. ft. area, rein.-con. and tile, Drexel Ave. and 14th St., here. $250,000. M. L. Hampton Associates, Royal Palm Hotel Casino, Miami, archt.

Neb., Lincoln—HIGH SCHOOL—Jan. 28, by Bd. Educ., J. G. Ludlam, secy. Junior High School, 3 story and basement, 192 x 328 ft., brick and stone and 1 story shops. $650,000. Meginnis, Schaumberg, 406 Neb. State Bank Bldg., archts. Noted Oct. 22.

Mo., St. Louis—GYMNASIUM—Jan. 4, by O'Meara & Hills, archts., Arcade Bldg., 2 story and basement, 150 x 213 ft., rein.-con., brick and stone gymnasium, incl. stadium, 3,000 seating capacity, billard rooms, running track, 75 x 130 ft. swimming pool, etc., for St. Louis University, Grand and West Pine Blvds. $225,000.

Calif., Huntington Beach—SCHOOL—Jan. 8, by Trustees Huntington Beach High School Dist., fireproof high school. To exceed $300,000. Allison & Allison, Hibernian Bldg., Los Angeles, archts. Noted Dec. 24.

Calif., Long Beach—CHURCH—R. S. Tuttle, archt., 363 17th St., Oakland and K. Cuttler, associated archt., 1000 East Ocean Blvd., taking bids 2 story and basement, concrete and brick, State and Atlantic Sts., for Atlantic Ave. Methodist Church. $150,000. Noted Dec. 10.

Calif., Oakland—SCHOOL—Bd. Educ. taking bids Garfield School, 2 story and basement, brick and tile, East 17th St. and 22nd Ave. $200,000. Miller & Warnecke, 1404 Franklin St., archts. Noted Dec. 3.

BIDS RECEIVED

Mass., Boston—SCHOOL—City, Schoolhouse Dept., 1 and 2 story and basement, 64 x 128 ft., granite and limestone, plain foundation, Cross St., from W. J. Delaney, 283 Essex St., Lawrence, $91,700.

Conn., Stamford—SCHOOL—C. H. Martin, chn. school comn., general contract 2 story and basement, brick and steel, Woodland Ave., from M. T. Genovese, 70 Davenport Ave., $249,000; heating, from H. A. Penovi & Son, Stamford, $40,573. Noted Dec. 24.

O., Mayfield (mail South Euclid)—SCHOOLS—Bd. Educ., H. Huncher, clk., 3 concrete, brick and steel schools, Oakville School, 12 room and gymnasium, from W. F. Hendrich Co., 2776 East 53rd St., Cleveland, $113,346; Gates Mill School, 4 room and auditorium, from A. H. Taylor, $56,936; and 5 room and auditorium addition to Mayfield Central High School, from C. Peterson Constr. Co., 4500 Euclid Ave., Cleveland, $62,423. Noted Dec. 3.

Ind., Indianapolis—SCHOOL—Bd. School Comn., 150 North Meridian Ave., general contract Webster School 46, 2 story and basement, 105 x 191 ft., brick, steel and rein.-con., Reisner and Howard Sts., from W. L. Pierce, Michigan City, $141,984. Noted Nov. 19.

Buildings—Education, Religious (Cont.)

Mich., Jackson—HIGH SCHOOL—J. F. Clark, secy. Bd. Educ., 16 West Wesley St., Dec. 21, general contract 3 story and basement, rein.-con., brick and steel, plain foundation, Wildwood and Winthrop Sts., from H. G. Christman, Porter Apts., Lansing, $666,789; heating and ventilating, from Fruyn Bros., Indianapolis, $141,636; electrical work, from Micalls & Co., Battle Creek, $51,287; plumbing, from E. J. Young Co., Chicago, Ill., $52,000; cut stone, from Adam Robb, $42,505. Noted Dec. 10.

Tex., San Antonio — HIGH SCHOOL — City, Junior High School, 1 and 2 story, part basement, 110 x 170 ft., rein.-con., brick and stone, plain foundation, Yorkshire and Berkshire Aves., from E. Oeffinger, c/o Maverick Bldg., $172,380. Noted Oct. 1.

Calif., Los Angeles — SYNAGOGUE — Edelman & Barnett, associated archts., 726 H. W. Hellman Bldg., and S. T. Norton & H. Wallis, archts., 1210 Financial Center Bldg., 1 story and basement, 120 x 260 ft. synagogue, incl. 4 story Sunday school section, dome 120 ft. high, tile, marble, rein.-con. and steel, Wilshire and Hobart Blvds., from R. E. Campbell, 711 Central Ave., for Congregational B'nai B'rith. $659,369. Noted Nov. 12.

Calif., Oakland — SCHOOL — City, general contract fireproof annex for Elmhurst School, from A. F. Anderson, Builders Exch., $87,166. Noted Oct. 22.

Calif., San Francisco — SCHOOL — Jan. 20, by Bd. Pub. Wks., Galileo High School, fireproof, Francisco and Van Ness Ave., for City and San Francisco Co. $342,000. J. Reid, Jr., City Hall, city archt.

CONTRACTS AWARDED

Mass., Belmont (Boston P. O.) — HIGH SCHOOL — Town, Bd. Selectmen, Junior High School, 2 story and basement, 65 x 165 ft., brick and stone, Oakley Rd. and Washington St., to Fuller Constr. Co., 31 Milk St., Boston. Archts. est. $200,000. Noted Dec. 17.

Mass., Braintree (Ind. br. Boston) — HIGH SCHOOL — Town, Superintendent Schools, 2 story and basement, brick, to Simpson Bros. Corp., 77 Summer St., Boston. Archts. est. $360,000.

Pa., Phila.—SCHOOL—Hoffman-Henon Co., archts., Finance Bldg., 3 story and basement, 50 x 107 ft. and 47 x 144 ft., rein.-con., brick, stone and steel, plain foundation, 72nd and Woodland Sts., to M. L. Conneen & Co., 1813 South 54th St., for St. Clements Roman Catholic Church, F. P. Dougherty, pastor, 7104 Woodland St. Archts. est. $250,000. Noted Nov. 19.

Md., Baltimore—CHURCH—A. C. Leach, archt., 411 North Charles St., 1 and 2 story, 62 x 89 ft. church, and 56 x 80 ft. Sunday school, Charles St. and University Parkway, to C. C. Watts, 407 East 25th St., for A. W. Wilson Memorial Methodist Episcopal Church. $175,000. Noted Oct. 8.

Ill., Chicago — CHURCH — Fifteenth Church of Christ Scientist, 309 North Central Ave., masonry and carpentry contract 1 story, 86 x 159 ft., brick and steel, 201-209 North Central Ave., to O. W. Rosenthal & Cornell Co., 80 East Jackson Blvd. Archts. est. $300,000.

Federal Government Work

PROPOSED WORK

Mo., Sedalia—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., soon takes bids 2 story and basement, rein.-con., brick and stone, here. $325,000. Noted Feb. 12.

Cuba, Guantanamo—Deck and Roof—Spec. 5150—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Dec. 16, floating steel deck and alterations to roof of gasoline tank, at Navy Station, Guantanamo Bay, here. Noted Dec. 24.

BIDS DESIRED

D. C., Wash.—Cruiser, etc.—Mar. 1 (extended date), by Navy Dept., C. D. Wilbur, secy., for Scout Cruiser 25 and furnishing main turbines and gears for Scout Cruisers 24 and 25; adv. E. N.-R. Dec. 31. Noted Nov. 19.

Va., Quantico—Piles—Spec. 5180—Jan. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., driving and securing new piles at Marine Barracks, here.

Ala., Mobile — Wharf, etc. — Jan. 5, by Treas. Dept., at office Supervising Archt., Wash., D. C., cresoted pile wharf and gangway, for United States Quarantine Station, (Sand Island), here; adv. E. N.-R. Dec. 31.

Ky., Louisville—Lime—Jan .22, by U. S. Engineer Office, Box 72, for 1,180 tons hydrated lime; adv. E. N.-R. Dec. 31.

Wis., Milwaukee—Steel—Jan. 18, by Supt. Lighthouses, fabricated steel for 1 steel, plate tower for North Breakwater, here; adv. E. N.-R. Dec. 31.

Oregon—Road—Jan. 7, by C. H. Purcell, dist. engr., P. O. Bldg., Portland, grading, etc. 1.4 mi. Scholfield Sect. Scottsburg-Reeds-Port Highway, 60 ft., Douglas Co.

BIDS RECEIVED

D. C., Wash. — Administration — U. S. Veterans Bureau, Arlington Bldg., administration and clinic buildings, at U. S. Veterans Hospital, Mt. Alto, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., **(1a)** $154,785 **(1b)** $101,470 **(1c)** add $210 **(1d)** add $150 **(1e)** add $250 **(1f)** $100. Noted Nov. 26.

Ga., Atlanta — Administration — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Dec. 22, 2 story and basement administration building for U. S. Veterans Hospital 48, here, from Baton-Cook Co., West Point, Ga., general construction **(1)** $62,454 **(3)** $3,547, etc.; icemaking and refrigerating machinery, from Hines Mfg. Co., Baltimore, Md., $5,500; and elevator, from S. Heller Elevator Co., 250 Milwaukee St., Milwaukee, Wis., $3,378. Noted Nov. 26.

O., Chillicothe—Curbing, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., curbing and sidewalks at U. S. Veterans Hospital, here, from Bayne & McCalla, Chillicothe, $5,801.

Mich., Camp Custer—Curbing, etc.—U. S. Veterans Hospital, Arlington Bldg., Wash., D. C., curbing and guttering at U. S. Veterans hospital, here, from W. Neal & Son, Nealsburg. $24,800.

Wash., Walla Walla — Roads — U. S. Veterans Hospital, constructing roads, at U. S. Veterans Hospital, here, from H. L. Wilson, Jaycox Bldg., $4,200.

Unclassified

PROPOSED WORK

Aquarium—Providence, R. I.—City, Park Comn., City Hall, having plans prepared repairing and constructing addition to aquarium, at Roger Williams Park. $35,000. W. E. Hartwell, city engr.

Concrete Plant—Miami, Fla.—Diamond Concrete Co., Exchange Bldg., plans concrete plant, to have 42,000 concrete block, 250,000 stand brick and 42,000 building tile daily capacity, etc.

Stadium—Cedar Rapids, Ia.—Coe College plans stadium. $200,000. S. N. Harris, secy. Engineer and architect not selected.

Power Plant—East Grand Forks, Minn.—Ottertail Power Co., C. S. Kennedy, genl. mgr., Fergus Falls, plans installing power plant, incl. 2 units of 2,000 hp. each. $400,000. Private plans

Stadium—Grand Forks, N. D.—University of North Dakota, c/o P. L. Samuelson, chn. stadium com., plans rein.-con. and brick stadium, 20,000 seating capacity, U campus. Engineer and architect not announced.

Dock—Vancouver, Wash.—Port of Vancouver voted $75,000 bonds, extending present dock and purchasing cargo loading equipment.

Ornamental Lighting System—Berkeley, Calif. — Plans ornamental lighting system on University Ave. F. B. Rae, city electrical engr.

Pedestrian Tunnel—Los Angeles, Calif.—City Council plans to issue $350,000 bonds, pedestrian tunnel.

Piers, Wharves, etc. — Hull, Que. — Canadian International Paper Co., Three Rivers, plans piers, wharves, log sluices, etc., on River Ottawa, here. $1,000,000. J. H. White, Three Rivers, engr.

BIDS DESIRED

Heating and Ventilating System—Dorchester (Boston P. O.), **Mass.**—Old Peoples Home, King, Queen and Train Sts., taking bids heating and ventilating system in present building. $25,000. Krokyn, Browne & Rosenstein, 220 Devonshire St., Boston, archts.

Heating, etc.—Ithaca, N. Y.—Jan. 26, by C. D. Bostwick, comptroller Cornell University, heating and sanitary work, underground service connections, etc. for greenhouses, at Dept. Floriculture and Vegetable Gardening, at New York State College of Agriculture; adv. E. N.-R. Dec. 31.

Subway—Long Island City, N. Y.—Jan. 11, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, subway Sect. 6-E-1, Route 8, extending along and under Wyckoff Ave. from Halsey St. to Cooper Ave., here.

Swimming Pool, etc. — St. Louis, Mo. — See "Buildings—Educational, Religious."

BIDS RECEIVED

Heating and Ventilating System — Belmont (Boston P. O.), **Mass.**—Town, Bd. Selectmen, heating and ventilating system in new Junior High School, from R. B. Crocker, 107 Massachusetts Ave., Boston, $31,374.

Bathing Casino—Bradley Beach, N. J.—Bradley Beach Comrs., Dec. 15, pavilions, bath houses, etc., from A. D. Pierce Constr. Co., Bradley Beach, $129,975.

Boardwalk — Cape May, N. J. — P. A. Volcher, city mgr. City Hall, 3,300 lin.ft. timber boardwalk, 24 and 30 ft., from Kauffman Constr. Co., Phila., Pa., $39,906. Noted Nov. 26.

Subway—Stockton, Calif.—City Council, Dec. 14, Miner Ave. subway, from Lewis & Green, Commercial & Savings Bank Bldg., $98,533. Noted Dec. 3.

CONTRACTS AWARDED

Foundation — Bridgeport, Conn. — Mack Motor Co., 673 Connecticut Ave., foundation for brick and steel garage, Ash Creek, to W. R. Muirhead & Son, 948 Main St. Archts. total est. $150,000. Noted Oct. 22 under "Buildings—Commercial."

Cable — New York, N. Y. — New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., 3 conductor, lead covered cables in 2 tunnels and in ventilating buildings, to Standard Underground Cable Co., 50 Church St., $130,670. Noted Dec. 24.

Special Work—New York, N. Y.—Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., special work, (rails, frogs, switches, etc.), for constructing Corona Yard, to Bethlehem Steel Co., 25 Bway., $26,975. Noted Dec. 24.

Ventilating Buildings—New Jersey—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, Dec. 15, two 5 story, ventilating buildings for Holland Tunnel, here, Contr. 4, to De Riso Bros., Inc., 415 Hackensack Plank Rd., West Hoboken, $1,577,000. Noted Dec. 24.

Substation — Baton Rouge, La. — Baton Rouge Electric Co., 329 Florida St., outdoor substation, distribution line, etc. at Government St. station, to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

Grain Elevator—Enid, Okla.—Enid Terminal Elevator Co., (1st unit) grain elevator, approximately 540,000 bu. capacity, incl. offices, head house and 30 tanks, to Jones-Hettelseter Co., 706 Mutual Bldg., Kansas City, Mo., approximately $250,000.

Materials

BIDS DESIRED

Gasoline, etc.—New York, N. Y.—Jan. 5, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 30,000 gal. gasoline, 4,000 tons inorganic dust, 20,000 cu.yd. asphalt sand, 700,000 gal. asphaltic cement, and 10,000 cu.yd. ¾ in. binder stone.

Road Material—Trenton, N. J.—Jan. 5, by Mercer Co. Freeholders, 50,000 gal. tar (cold patch) road repair material. A. Bray, dir. road repair. Noted Dec. 17.

Cables, etc.—Minneapolis, Minn.—Jan. 4, by F. S. Gram, city purch. agt., material for signal system, incl. approximately 30 mi. No. 10, 40% conductivity, rubber-insulated cable. N. W. Elsberg, city engr.

BIDS RECEIVED

Steel—New York, N. Y.—Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., Dec. 23, structural steel for portion of Rapid Transit R.R., from Phoenix Bridge Co., 132 Nassau St., **(a)** $501,840 **(b)** $451,080. Noted Dec. 17.

CONTRACTS AWARDED

Frames and Covers—Boston, Mass.—City Supply Dept., 260,000 lb. frames and covers for Pub. Wks. Dept., to E. L. LeBaron Fdy. Co., Brockton, $0.026 per lb. Noted Dec. 17.

Cement, etc. — Brooklyn, N. Y. — J. A. Guider, pres. Brooklyn Boro, Boro Hall, 5,000 bbl. Portland cement to M. M. Canda, 184 3rd St., $13,650; 300 tons paving pitch, to Barrett Co., 40 Rector St., New York City, $7,951; 2,000 cu.yd. paving and concrete sand, to T. E. McCormick, 810 Lincoln Rd., $2,250, and 2,000 cu.yd. paving and concrete sand, to Hygrade Builders Supply, 6th St. and 2nd Ave., $2,180. Grand total $26,031. Noted Dec. 17.

Broken Stone, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 29,000 cu.yd. broken stone and 14,000 cu.yd. sand to Pease Bros., Inc., 15 Lawrence St., Flushing, $82,070 and $22,400 respectively; 1,600 tons asphalt cement, to Standard Oil Co., 26 Bway., New York City, $33,392; and 150,000 gal. fuel oil, to Warner Quinlan Corp., 79 Wall St., New York City, $8,505. Grand total $146,267. Noted Dec. 24.

Cement — Texarkana, Ark. — City clerk, 20,000 bbl. cement, to Timberlake Hardware Co., Texarkana, at $2.54 per bbl.

OFFICIAL PROPOSALS

Bids: Jan. 18.

Texas-Oklahoma F. A. P. 491 Job 243-G

WICHITA COUNTY

Wichita Falls, Texas.

Sealed proposals for the construction of Texas-Oklahoma Federal Aid Project 491, a reinforced concrete bridge over the Red River, between Burkburnett, Texas, and Randlett, Oklahoma, will be received until 10 o'clock a.m., January 18th, 1926, at the office of the County Auditor of Wichita County, Wichita Falls, Texas, and at the office of the State Highway Engineer, Capitol Building, Oklahoma City, Oklahoma. Bidders will be required to file duplicate bids at Wichita Falls, Texas, and Oklahoma City, Oklahoma. After bids are closed they will be publicly opened and read at each place.

APPROXIMATE QUANTITIES

Item	Quantities	Unit
Excavation (Unclassified)	361.5	C. Y.
Concrete Class "A" in girders and backwalls	1,261.62	C. Y.
Concrete Class "A" in caps	420.75	C. Y.
Concrete Class "A" in abutments.....	123.6	C. Y.
Concrete Class "D" in slabs and curb	1,847.28	C. Y.
Reinforcing steel	672,349.0	Lbs.
Expansion bearing plates.	22,360.0	Lbs.
Precast concrete piling...	16,550.0	L. Ft.
Concrete railing.....	6,069.5	L. Ft.
Jetty frame units	340	Each
Concrete anchors	49	Each

Plans may be examined and forms of proposals, contracts and specifications may be obtained at the office of the State Highway Engineer, Capitol Building, Oklahoma City, Oklahoma; the office of the State Highway Commission of Texas, Austin, Texas, and at the office of the County Engineer of Wichita County, Wichita Falls, Texas.

If bidders desire to purchase plans, they may be obtained from the County Engineer of Wichita County, Wichita Falls, Texas, upon payment of $3.00 to cover cost of printing and mailing.

Bids must be on proposal forms furnished by the Texas State Highway Department and the Oklahoma State Highway Department.

Bids filed at Wichita Falls, Texas, must be accompanied by a certified or cashier's check, upon a National Bank of Texas, in the amount of 3¾ per cent of the bid, made payable to E. P. Walsh, County Auditor of Wichita County, Texas. Duplicate bids filed at Oklahoma City, Oklahoma, must be accompanied by a certified or cashier's check upon a National Bank of Oklahoma, in the amount of 1¼ per cent of the bid, made payable to the State Highway Commission of Oklahoma.

The right is reserved to reject any or all bids.

E. P. WALSH,
County Auditor,
Wichita Falls, Texas.

Bids: Jan. 6.

Bridge

West Palm Beach, Fla.

Sealed bids will be received by the Board of County Commissioners of Palm Beach County, Florida, at the Clerk's Office, up to 10:00 a.m., Wednesday, January 6, 1926, for furnishing all material, labor, equipment and supplies necessary to construct: Over the Loxahatchee River, one forty-five (45) foot double-leaf bascule draw span and concrete approaches.

Plans and specifications will be on file in the office of the County Engineer, Third Floor, Court House, after December 18, 1925, and may be obtained upon a deposit of $5.00, which, will be refunded upon return of same in good order.

Each bid must be accompanied by a Certified Check in amount equal to Two (2) per cent of the Bid.

The Board reserves the right to reject any or all bids.

By order of the Board of County Commissioners, Palm Beach County, Florida.

JOS. E. BELL,
Chairman.

Attest:
FRED E. FENNO,
Clerk.

ALEX O. TAYLOR,
County Engineer.

OFFICIAL PROPOSALS

Bids: January 15.

Additions To Water Works System

Fort Lauderdale, Fla.

Sealed proposals for furnishing material and constructing additions to the Water Works System for the City of Fort Lauderdale, Florida, will be received by the Mayor and Board of Commissioners at the City Manager's Office until 2:00 p. m. on Jan. 15, 1926.

The additions will consist of approximately three miles of 6", 10", 12" and 16" cast iron pipe, with specials, valves and hydrants, including 580 feet of 16" flexible joint submerged pipe.

Each proposal must be accompanied by a certified check, payable to the City of Fort Lauderdale, Florida, to an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond in the full amount of the contract price will be required. Payments will be made on monthly estimates.

Plans and specifications are on file in the office of the City Manager, at Fort Lauderdale, Florida, and with Solomon & Keis, Consulting Engineers, City Building, Fort Lauderdale, Florida; 10 Plaza Building, County Road, Palm Beach, Florida; 1404 Candler Building, Atlanta, Georgia; and 257 Broadway, Troy, New York.

Bidders may obtain copies from the Engineers, by enclosing certified check for twenty-five dollars ($25.00), payable to the City of Fort Lauderdale. If blue prints are desired, they may be had at the cost of printing. If the plans, specifications and blue prints are returned within thirty days after opening bids, the check for twenty-five dollars will be returned.

B. J. HORNE,
City Manager.

SOLOMON & KEIS, Engineers.
Fort Lauderdale, Florida.

Bids: Jan. 5

Lock and Dam Construction

STATE OF ILLINOIS, DIVISION OF WATERWAYS
CONTRACT NO. 2

Springfield, Ill., Dec. 1, 1925.

1. Sealed proposals for the construction of STARVED ROCK LOCK AND DAM, located in the Illinois River, two miles above Utica, and seven miles below Ottawa, LaSalle County, Illinois, will be received at the office of the Director of the Department of Purchases and Construction, State House, Springfield, Illinois, until eleven (11) o'clock, a.m., Central Standard Time of the 5th day of January, 1926, and then publicly opened and read.

2. Copies of the plans, specifications, proposal blank, form of bond, and contract may be obtained by prospective bidders at the Office of the Department, Room 950 Transportation Building, Chicago, Illinois, upon depositing a check for Ten Dollars ($10.00), made payable to the Director of the Department of Purchases and Construction, which sum will be returned within ten (10) days after the contract has been awarded, only to bidders who submit bona fide bids if the plans are returned in good condition within that time.

The principal items of Contract No. 2 are 409,000 cubic yards of excavation, 98,200 cubic yards of concrete and 766,000 pounds of steel and iron work.

3. The State reserves the right to reject any or all bids. The contract, if let, will be awarded to the lowest responsible bidder.

LESLIE SMALL,
Director, Department of Purchases and Construction.

M. G. BARNES,
Chief Engineer.

WM. F. MULVIHILL,
Superintendent of Waterways.

Bids: Jan. 12.

Standpipe and Water Mains

Yorkville, Ohio.

The Village of Yorkville, Ohio, will receive sealed proposals until 12 o'clock noon, January 12th, 1926, for furnishing materials and constructing one 100,000 gallon standpipe and approximately 20,000 lineal feet of water mains in sizes of 4" to 12" inclusive.

Plans and specifications may be seen at the office of Raymond E. Herlien, Yorkville, Ohio, clerk, or S. Diescher & Sons, Farmers Bank Building, Pittsburgh, Pa., Engineers.

OFFICIAL PROPOSALS

Bids: Jan. 5

Waterway Construction

STATE OF ILLINOIS, DIVISION OF WATERWAYS
CONTRACT NO. 6

Springfield, Ill., Dec. 1, 1925.

1. Sealed proposals for the construction of BRANDON ROAD POOL, located in Joliet, Illinois, and vicinity, will be received at the office of the Department of Purchases and Construction, Division of Waterways, State House, Springfield, Illinois until nine-thirty (9:30) o'clock a.m., Central Standard Time, of the 5th day of January, 1926, and then publicly opened and read.

2. The principal items of the contract are 202,000 cubic yards of excavation and 160,000 cubic yards of concrete, together with 2,000,000 pounds of steel and iron.

3. Copies of plans, specifications and all official forms may be obtained at the office of the Department, Room 950, Transportation Building, Chicago, upon depositing a check for Ten Dollars ($10.00), made payable to the Director of the Department of Purchases and Construction, which sum will be returned only to bidders who submit bona fide bids for the work upon the return of plans and specifications.

4. The State reserves the right to reject any or all bids. The contract, if let, will be awarded to the lowest responsible bidder.

LESLIE SMALL,
Director, Department of Purchases and Construction.

M. G. BARNES,
Chief Engineer.

WM. F. MULVIHILL,
Superintendent of Waterways.

Bids: Jan. 7.

Roads and Bridges

Key West, Fla.

Sealed proposals will be received by the Board of County Commissioners for Monroe County, Florida, until 8 p.m., January 7th, 1926, at the Court House, Key West, Florida, and then and there publicly opened for the construction of roads and bridges, continuing the route of the Over Sea Highway along the Florida Keys. The work involved consists of native rocked, oil surfaced roads 16 feet in width along the Keys, together with the necessary clearing, etc., and the construction of four pile timber trestles across the openings. Detail plans and specifications may be obtained from the office of the County Engineer, Key West, Florida. A deposit of $5.00 will be required as a guarantee of their return, for each project as listed below:

Project No. 5, Upper Matecumbe to West End Key Largo, 11.5 Miles.

Project No. 7, Sugar Loaf Key to East End Ramrod Key, 7.5 Miles.

Project No. 8, Lower Matecumbe to Upper Matecumbe, 6.00 Miles.

Project No. 9, East End Ramrod Key to No Name Key, 7.5 Miles.

Project No. 10, Key Vacas to Grassy Key, 13.0 Miles.

The County of Monroe by its Board of County Commissioners reserves the right to accept or reject any or all bids and to waive any informality in the proposals.

Board of County Commissioners for Monroe County, Fla.

J. OTTO KIRCHHEINER,
Chairman.

Bids: Jan. 7.

Sewer Work

Fort Thomas, Ky.

December 19th, 1925.

Office of the City Engineer, City Building, Fort Thomas, Kentucky. Sealed bids will be received at this office until 12 o'clock noon on the 7th day of January, 1926, for furnishing materials and building complete approximately 53,000 feet of 6" to 15" sewer, together with appurtenances. Each bid must be accompanied by a certified check on a clearing house bank to the sum of $2,000.00.

Plans and specifications may be obtained at the office of the City Engineer, City Building, Fort Thomas, Kentucky. A charge of $5.00 will be made for plans and specifications, returnable in part. The City reserves the right to reject any or all bids.

ROLAND R. PYNE,
City Engineer.

WHITMAN, REQUARDT AND SMITH,
Consulting Engineers.

OFFICIAL PROPOSALS

Bids: Jan. 28.

Bridge

Goshen, Ind.

Notice is hereby given that the Board of County Commissioners of Elkhart County, Indiana, will receive sealed proposals for the construction of a reinforced concrete Arch Bridge over the Elkhart River at Pike Street, Goshen, Indiana.

Plans and specifications are adopted by the Board of County Commissioners are now on file in the Office of the County Auditor. Copies of the plans and specifications for the use of bidders may be had at the office of the County Auditor, Goshen, Indiana, or at the office of William S. Moore, 208 Union Trust Building, South Bend, Indiana.

All bids must be submitted on forms furnished by the County Auditor and must be on file in the office of the County Auditor on or before the 28th day of January, 1926, at 1:00 o'clock p.m.

In case any bidder should desire to submit a bid on his own plans and specifications, such plans and specifications must be filed with the County Auditor at least ten days before the day of receiving such bids. Also, in such event, said plans and specifications must be entire and complete and meet the approval of the Indiana State Highway Commission.

All bidders shall file a bond in the sum of not less than the full amount of the bid submitted.

The Board of County Commissioners reserve the right to reject any and all bids submitted.

Given by order of the Board of County Commissioners this 21st day of December, 1925.

CHAS. A. CROOP,
Auditor of Elkhart County, Indiana.

Bids: Jan. 28.

Bridge

Elkhart, Ind.

Notice is hereby given that the Board of County Commissioners of Elkhart County, Indiana, will receive sealed proposals for the construction of a reinforced concrete Arch Bridge over the St. Joseph River at Lexington Ave., Elkhart, Indiana.

Plans and specifications as adopted by the Board of County Commissioners are now on file in the Office of the County Auditor. Copies of the plans and specifications for the use of bidders may be had at the office of the County Auditor, Goshen, Indiana, or at the office of William S. Moore, 208 Union Trust Building, South Bend, Indiana.

All bids must be submitted on forms furnished by the County Auditor and must be on file in the office of the County Auditor on or before the 28th day of January, 1926, at 1:00 o'clock p.m.

In case any bidder should desire to submit a bid on his own plans and specifications, such plans and specifications must be filed with the County Auditor at least ten days before the day of receiving such bids. Also, in such event, said plans and specifications must be entire and complete and meet the approval of the Indiana State Highway Commission.

All bidders shall file a bond in the sum of not less than the full amount of the bid submitted.

The Board of County Commissioners reserve the right to reject any and all bids submitted.

Given by order of the Board of County Commissioners this 21st day of December, 1925.

CHAS. A. CROOP,
Auditor of Elkhart County, Indiana.

Bids: Jan. 26.

Heating and Sanitary Work

Ithaca, N. Y.

Sealed proposals for Heating and Sanitary Work, Underground Service Connections, Greenhouses for Departments of Floriculture and Vegetable Gardening, New York State College of Agriculture, Cornell University, Ithaca, N. Y., will be received by Mr. C. D. Bostwick, Comptroller, Cornell University, Ithaca, N. Y., until 11 o'clock a.m., on Tuesday, Jan. 26th, 1926, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit as a guarantee that bidder will enter into the contract if awarded same. Deposit shall consist of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York or money equal to 5% of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4554 and 4555. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Cornell University, Ithaca, N. Y., at the New York Office of the Department of Architecture, 18th floor, Fuller Building, Broadway & 23rd St.; and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained by persons or firms engaged in the line of work required at the discretion of the Architect from the Department of Architecture, Capitol, Albany, N. Y.

Dated: December 26th, 1925.

Bids: Jan. 27.

Indian River Fill Construction

Fort Pierce, Fla.

Sealed proposals for the following fill, sea-wall, bulk-heads, sewer extensions and other appurtenances, will be received by the City Auditor-Clerk for the City of Fort Pierce, Florida, until 12 o'clock noon, January 27th, 1926, and will at that time be publicly opened and read at a meeting of the City Commission, at the City Hall, viz.:

3,310 lin.ft. reinforced concrete bulk-head.
4,170 lin.ft. untreated timber pile bulk-head.
1,401,000 cu.yds. dredging.
1,400 lin.ft. 24" sanitary sewer in place.
2,000 lin.ft. 15" sanitary sewer in place.

Plans, specifications, proposal forms may be obtained from the office of the City Engineer, Fort Pierce, Florida, upon the deposit of five dollars ($5.00) which amount will be refunded to bona fide bidders upon receipt of plans and specifications in good condition.

Bids on alternate designs will be considered; also bids on individual items.

This contract subject to the approval and revision of U. S. War Department.

The City Commission reserves the right to reject any and all bids.

The proposals will be marked "Sealed proposal for Indian River Fill Improvement" and addressed to:

CHARLES C. BURRY,
Auditor-Clerk.

By order of the City Commission this the 9th day of December, 1925.

W. AUSTIN SMITH,
Manager,
City of Fort Pierce, Florida.

Bids: Jan. 18.

Gillespie Dam Highway Bridge

Phoenix, Ariz.

Sealed bids marked upon outside of envelope "State Highway Contract, Federal Aid Project No. 64-B," and addressed to W. C. Lefebvre, State Engineer, Phoenix, Arizona, will be received and opened at 2 p.m., January 18, 1926, at the office of the State Engineer, Phoenix, Arizona, on the Gillespie Dam Highway Bridge, Federal Aid Project No. 64-B, Schedule "B."

The work consists of approximately:
5,600 Cu.Yds. Structural Excavation.
4,000 Cu.Yds. Concrete.
180,000 Lbs. Reinforcing Steel.
Four 160 ft. Steel Spans.
Five 200 ft. Steel Spans.
360 Cu.Yds. Backfill.
and other incidental items.

All bids shall be accompanied by an unendorsed, certified or cashier's check for 5% of the gross amount of the bid, payable to the State Treasurer of Arizona.

The State Engineer reserves the right to reject any and all bids.

Copies of the plans and specifications may be seen at the office of the State Engineer, or may be obtained upon payment of Five ($5.00) Dollars to W. C. Lefebvre, State Engineer.

Satisfactory bonds will be required of the contractor to whom the award is made.

All proposals shall be made on blanks furnished for that purpose.

W. C. LEFEBVRE,
State Engineer.

Phoenix, Arizona,
December 11, 1925.

Bids: Jan. 26.

West Side Intercepting Sewers and Appurtenances Divisions E, F, G, H and I

THE SPRINGFIELD SANITARY DISTRICT, SPRINGFIELD, ILLINOIS

Springfield, Ill.

Sealed proposals endorsed "Proposal for Intercepting Sewers and Appurtenances, Division E, F, G, H and I" will be received by the Board of Trustees of the Springfield Sanitary District, Springfield, Illinois, at its office in the City Hall, Springfield, Illinois, until 10:30 o'clock a.m. on the twenty-sixth day of January, 1926, and will be then publicly opened and read.

The work for which proposals are invited will be paid for in cash and includes the following divisions:

Division E: North Section: This division includes about 9,000 feet of intercepting sewer, 66 and 69 inches in diameter, of which about 5,650 feet will be in open cut; 650 feet in fill; 600 feet in tunnel and about 2,100 feet on trestle; together with intercepting chambers, connecting sewers and appurtenances.

Division F: Tunnel Section: This division includes about 7,700 feet of intercepting sewer, 57 inches in diameter, of which about 3,300 feet will be in tunnel and about 4,400 feet in open cut, together with connections to the Bond Street Sewer, the Patten Avenue Sewers, and the Town Branch Sewer.

Division G: Jacksonville Branch Section: This division includes about 34,400 feet of intercepting sewer, 15 to 39 inches in diameter, together with Town Branch syphon, and connections to the Oakridge sewer, the Amos Branch sewer, the Oak Knolls sewer, the Country Club sewer, and several other small existing sewers.

Division H: This division includes the construction of the Walnut Street Sewage Pumping Station and the erection of the pumping equipment.

Division I: This division includes five electric motor driven vertical centrifugal pumps, having an aggregate capacity of 26 million gallons per 24 hours.

The work is in open cut and tunnel, including wet and dry excavation, the making of embankment, backfilling, disposal of surplus excavation and the placing of concrete, brick work, iron castings, sheeting, bracing and other material as specified.

The work is located partly in the City of Springfield and in Sangamon County, Illinois.

Each proposal shall contain the full name of every person or company interested in the same and shall be accompanied by cash or a check made payable to the Treasurer of The Springfield Sanitary District, certified by a responsible bank, in the following amounts:

Division E	$7,000.00
Division F	7,000.00
Division G	7,000.00
Division H	3,000.00
Division I	2,000.00
Any two divisions	10,000.00
Any three divisions	14,000.00
Four or more divisions	18,000.00

These sums are guarantees that if a proposal is accepted, a contract will be entered into and its performance properly secured. Bids will be received on any division or combination of complete divisions, but not on a part of one division.

All proposals must be made upon blank forms furnished by The Springfield Sanitary District and in accordance with the "Requirements for Bidding and Instructions to Bidders" attached hereto.

The Board of Trustees of the Springfield Sanitary District reserves the right to reject any or all bids, waive or not waive any informality in the bids received and to accept any bid or divisions which it deems most favorable to the Springfield Sanitary District.

Requirements for bidding, instructions to bidders, form of proposal, contract, specifications, form of bond and plans may be obtained from the Springfield Sanitary District, City Hall, Springfield, Illinois, or at the office of Pearse, Greeley and Hansen, 6 North Michigan Avenue, Chicago, Illinois, upon deposit of TWENTY-FIVE DOLLARS ($25.00), which sum so deposited will be refunded if said plans, specifications, etc., are returned in good condition within thirty (30) days after the opening of bids.

Dated this twenty-fourth day of December, 1925.

THE SPRINGFIELD SANITARY DISTRICT
By SIDNEY S. BREESE,
President, Board of Trustees.

OFFICIAL PROPOSALS

Bids: Jan. 26.

Sanitary Sewers

Montgomery, Ala., December 21, 1925.

Sealed proposals will be received by the Treasurer of the City of Montgomery, Alabama, until 11:00 a.m., Tuesday, January 26th, 1926, at his office in the City Hall, Montgomery, Alabama, for furnishing all materials and constructing the Southern Outfall Sanitary Sewer Lines, the principal items of work being:

17,600 Lineal Feet 24" Double Strength Terra Cotta Pipe.
2,700 Lineal Feet 15" Triple Strength Terra Cotta Pipe.
2,300 Lineal Feet 15" Double Strength Terra Cotta Pipe.
2,800 Lineal Feet 12" Double Strength Terra Cotta Pipe.
3,000 Lineal Feet 10" Standard Terra Cotta Pipe.
5,000 Lineal Feet 8" Standard Terra Cotta Pipe.
95 Standard Manholes.
100 Cubic Yards Class "A" Concrete.

And all other work in connection therewith.

ALTERNATE BID

17,600 Lineal Feet 24" Bell and Spigot Type Concrete Pipe.
5,000 Lineal Feet 15" Bell and Spigot Type Concrete Pipe.
2,800 Lineal Feet 12" Bell and Spigot Type Concrete Pipe.
3,000 Lineal Feet 10" Bell and Spigot Type Concrete Pipe.
5,000 Lineal Feet 8" Bell and Spigot Type Concrete Pipe.

All work must be done in accordance with plans, profiles, and specifications on file in the office of the City Engineer, J. M. Garrett, to whom all communications should be addressed. Plans and specifications will be furnished upon receipt of $5.00 to cover cost of same.

A certified check or bidder's bond for Two Thousand Dollars must accompany each bid.

The City reserves the right to reject any or all bids.

J. L. COBBS,
City Treasurer.

Bids: Jan. 12.

River and Creek Drainage

DEPARTMENT OF PUBLIC WORKS

Buffalo, N. Y., Dec. 17, 1925.

Sealed proposals for work and supplies as set forth below, will be received at the office of this Department, Room 5, Municipal Building, until 11 o'clock a.m., Jan. 12, 1926.

No proposal will be considered unless it be accompanied by a certified check, payable to the order of the Department of Public Works, in the amount specified in specifications or by a bond conforming to law; such bonds to be fifty per cent of the sum named in the proposal.

Plans and specifications and estimate of quantities can be seen, and printed forms of proposals, and any desired information, can be had on application at the Bureau of Engineering on and after this date.

This Department reserves the right to reject any and all bids, and waive any informalities.

A separate proposal must be made for the work and supplies included in each descriptive paragraph following:

For the completion of Section No. 4 of the Buffalo River and Cazenovia Creek Improvement from about 700 feet west of Cazenovia street to about the west street line of Cazenovia street.

The important quantities are:

Earth excavation ..... 4,300 Cu.Yds.
Rock excavation.....about 15,500 Cu.Yds.
Concrete, reinforced...about 4,250 Cu.Yds.
Steel reinforcement....about 65 Tons
Stone rip-rap .....about 2,000 Sq.Yds.
Pipe railing .....about 1,200 Feet

Formal advertisement will appear in the Buffalo *Post*, Buffalo *City Record*, Buffalo *Courier* and Buffalo *Times* of Dec. 28, 29, 1925, and Jan. 4 and 5, 1926.

OFFICIAL PROPOSALS

Bids: Jan. 28.

Sewage Treatment Plant

Akron, Ohio.

Sealed proposals will be received at the office of the Director of Public Service, Municipal Building, Akron, Ohio, until 12 o'clock noon, Central Standard Time, of January 28th, 1926, on Contracts Nos. 1 to 9, inclusive, calling for the construction of a Sewage Treatment Plant and the Furnishing and Installation of Equipment, all complete.

The treatment plant, in the main units, comprises Detritus Tanks, Imhoff Tanks, Trickling Filters, Humus Tanks, Sludge Drying Beds, Conduits, Buildings and Appurtenances, the several contracts being designated as follows:

1 Construction of a Sewage Treatment Plant and the Installation of Equipment.
2 Fine Screens.
3 Sewage Meters.
4 Clarifier Mechanisms.
5 Valves.
6 Sluice Gates.
7 Centrifugal Pumps.
8 Filtering Material.
9 Cast Iron Pipe and Fittings.

Plans, specifications and blank proposals can be obtained at the office of the Chief Clerk of the Department of Public Service, Delaware Building, Akron, Ohio.

A deposit of $50.00 will be required for complete plans and specifications for work embraced under Contract 1. A deposit of $10.00 will be required for the specifications and blue prints required for Contract 2 to 9, inclusive. The deposit will be refunded if a proposal is submitted and the plans returned in good condition within ten days after the date the proposals are received.

Each proposal must contain the full name of the party or parties submitting the same and all persons interested therein and must be accompanied by a certified check payable to the "Director of Finance—City of Akron" in an amount equal to 4% of the proposal submitted and on a solvent bank in the City of Akron, Ohio.

Proposals must be submitted on the printed forms as none other will be accepted.

The Director of Public Service reserves the right to reject any or all proposals.

W. F. PETERS,
Director of Public Service.

U. S. Government

U. S. ENGINEER OFFICE, Box 72, Louisville, Ky.—Sealed proposals will be received here until 2 p.m., central time, Jan. 19, 1926, and then opened, for furnishing and delivering two steel dump scows. Further information on application.

The business of excusing our mistakes does not pay the bill. Next time consult Swart on Contract Bonds and Compensation Insurance and really get what you pay for.

HARMON V. SWART
Insurance Advisor — Rate Specialist
92 William St., New York City

EXCAVATION

Steam Shovels for rent with crews or work taken by contract.

Dinkeys and cars or teams furnished.

H. C. AMBLER
3717 Old York Road, Philadelphia, Pa.

OFFICIAL PROPOSALS

Bids: Jan. 19.

Construction of Retaining Walls

Cedar Rapids, Iowa.

Sealed proposals will be received by the City Council of the City of Cedar Rapids, Iowa, at the office of the City Clerk in the City Hall until 10 o'clock a.m., on the 19th day of January, 1926, for the following described improvement as per plans, specifications and form of Contract now on file in the office of the City Clerk of Cedar Rapids, Iowa.

For the construction of reinforced concrete retaining walls along the channel lines of the island to the First Avenue Bridge, Cedar Rapids, Iowa. Bids will be opened publicly at the above time and date at the Council Chamber.

Payment for the work will be made in cash upon monthly estimates of the City Engineer, and the final fifteen per cent thirty days after completion and acceptance.

Copies of plans and specifications may be obtained at the office of the City Engineer, Cedar Rapids, Iowa, upon deposit of Twenty ($20.00) Dollars, Fifteen ($15.00) Dollars of which will be refunded to applicant when plans and specifications are returned in good condition.

J. F. RALL,
Mayor.

Attest:
L. J. STOREY,
City Clerk.

Note: Plans show about 800 linear feet of walls with a maximum height of about 30 feet.

U. S. Government

SEALED PROPOSALS, marked "Proposal for Construction of Buildings and Utilities, Fort Snelling, Minnesota," will be received by the U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., until 11 A.M., January 26, 1926, and then and there publicly opened for the construction complete of Infirmary Building, Regional Office Building, Neuro-Psychiatric Building, Recreation Building, three Semi-Ambulant Buildings, Gate House, Attendants' Quarters, Nurses' Quarters, M.O.C. Quarters, three Duplex Officers' Quarters, Laundry Building, Boiler and Storehouse Building, Garage, Covered Walks, Meter House, W. I. Gates, Brick Chimney, also roads, walks and drainage to be built at U. S. Veterans' Hospital, Fort Snelling, Minnesota. This work will include reinforced concrete construction, hollow tile, brickwork, cut stone work, marble work, tile floors and wainscoats, ironwork, steel sash, slate and metal roofing, roof ventilators, metal lathing, plastering, carpentry, metal weather strips, insect screens, dumbwaiters, hardware, painting, glazing, plumbing, heating and electrical work, electric elevators, refrigerating plant and outside service connections. Separate proposals will be received for Building Construction, Plumbing, Heating, Electrical Work, Elevators, Ice-making and Refrigerating Plant, and Brick Chimney, all as set forth on proposal sheet. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract and in making awards, the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for $100.00 payable to the TREASURER OF THE UNITED STATES is required as security for safe returne of the drawings and specifications within ten days after date of opening proposals. (Signed) FRANK T. HINES, Director. December 15, 1925.

ÆTNA-IZE

CONTRACT BONDS FOR RESPONSIBLE CONTRACTORS

Treat your bonding company as you do your banker; both help you with the CREDIT you require.

ÆTNA CASUALTY AND SURETY COMPANY

HARTFORD, CONN. AGENTS EVERYWHERE

U. S. Government

U. S. ENGINEER OFFICE, P. O. Box 72, Louisville, Ky. Sealed proposals will be received here until 2 p. m., central time, January 22, 1926, and then opened, for furnishing and delivering approximately 1180 tons of Hydrated Lime. Further information on application.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., December 24, 1925. Sealed proposals will be opened in this office at 3 p.m., January 5, 1926, for construction of a creosoted pile wharf and gangway for the United States Quarantine Station (Sand Island), Mobile, Ala. Drawings and specifications may be obtained from the Custodian of the Custom House at Mobile, Alabama, or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. Government

U. S. ENGINEER OFFICE, P. O. Box 72, Louisville, Ky. Sealed proposals will be received here until 2 p.m., Central Time, February 1, 1926, and then opened, for constructing Sections A and B of Dam 41, Ohio River, at Louisville, Ky. Further information on application.

OFFICE OF EXECUTIVE OFFICER, ARLINGTON MEMORIAL BRIDGE COMMISSION, Washington, D. C. Sealed proposals will be received at this office until 11:00 a.m., January 7, 1926, and then opened, in Room 1613, Navy Building, for constructing piers and abutments of the Arlington Memorial Bridge across the Potomac River, at Washington, D. C. Further information upon application.

U. S. Government

SEALED PROPOSALS will be opened by the Supt. of Lighthouses, Milwaukee, Wis., 11 a.m., Jan. 19, 1926, for fabricated steel for one steel plate tower, for use at Milwaukee (Wis.) North Breakwater. Information on application.

PROPOSALS—The Navy Department's advertisement of November 11, 1925, inviting proposals for constructing Scout Cruiser Nov. 25 and for furnishing boilers and auxiliaries for Scout Cruiser No. 24 and for furnishing main turbines and gears for Scout Cruisers Nos. 24 and 25 is hereby modified so that such proposals will be opened Monday at 12 o'clock noon, March 1, 1926, instead of, as stated in said advertisement, on the 19th of January, 1926. CURTIS D. WILBUR, Secretary of the Navy, December 17, 1925.

POSITIONS VACANT

DRAFTSMEN—Experienced in shop drawings for structural steel. Apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Avenue, New York.

DRAFTSMEN, experienced checkers wanted for buildings and bridges. State age, salary, experience and earliest date available. Permanent position for good men. The Mt. Vernon Bridge Co., Mt. Vernon, Ohio.

DRAFTSMEN, detailers and checkers on shop details for structural steel. McClintic-Marshall Construction Co., Morava Works, 85th and Stewart Ave., Chicago, Illinois.

DRAFTSMEN experienced in detailing and checking structural steel work. Excellent opportunity. Positions permanent. Only experienced men need apply. Write fully St. Louis Structural Steel Company, St. Louis, Mo.

POSITIONS VACANT

ENGINEER draftsman wanted by sales organization in the South. Man under thirty with experience in detailing reinforced concrete and structural steel and a thorough ability to read and interpret plans. Opportunity to become engineering salesman. State references, experience, salary and when available. P-647, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

ESTIMATOR wanted. College graduate in engineering. Man experienced in estimating and construction of oil refineries and gas plants preferred. Position with large construction company. Opportunity for advancement offered. State age, education, experience, salary, and give references. P-571, Engineering News-Record, Tenth Ave. at 36th St., New York.

ESTIMATOR experienced in all classes of building construction for permanent position with construction firm in central part of New York State. State age, experience, education, reference, salary expected and when available. P-648, Engineering News-Record, Tenth Ave. at 36th St., New York.

POSITIONS VACANT

EXPERT map and engineering draftsmen wanted immediately for permanent work in South Florida. Prefer single men who are technical graduates. Specialty, subdivisions in sectionized state. If qualified, send samples and complete record of education and experience; also, date available. Salary $215 to start. P-628, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

FIELD engineers wanted immediately for permanent work in South Florida. Must be single men with technical education; willing to start at nominal salary as instrumentmen, until acclimated. Specialty, subdivisions in sectionized state; large firm, good opportunity for advancement to right men. If qualified, send complete record of education and experience; also date available. Address P. O. Box 3245, West Palm Beach, Fla.

GRADUATE engineer, capable of laying out, organizing and supervising construction of large reinforced concrete stadium in the South. State references, experience and salary expected. Chance for permanent position to right party. P-639, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

MALE help wanted. Large concrete products manufacturer desires services of high-class, competent superintendent. Must have ability to handle men. P-590, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

QUANTITY surveyor wanted: General contract and steel. Write, giving full experience, qualifications and references. Master Builders' Assn., of Kansas, 710-712 Bitting Bldg., Wichita, Kansas.

REINFORCED concrete designer, detailer and estimator wanted in middle west. Permanent position. Water works experience required. Also water works draftsmen capable of making well-lettered general distribution plans of some detail. State details of age, experience, family, education, salary expected and references. Submit samples of drawing with first letter. All replies treated confidentially except as to references. Letters of unsuccessful candidates will be returned if requested. P-635, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

SEVERAL checkers and detailers on structural details of buildings and bridge work. Only fast and accurate men with wide experience need apply. Good wages with plenty of overtime. Permanent position for good men. Summer Engineering Company, 200 6th Ave., Pittsburgh, Pa.

Asphalt Paving Supt.

Must have thorough knowledge of all types of asphalt paving and machinery. Capable of handling several plants and street outfits. Good opportunity. State experience, salary.

P-640, Engineering News-Record
Leader-News Bldg., Cleveland, Ohio

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More and more the development of reinforced concrete construction for railway structures is demanding specialized knowledge and training on the part of railway engineers engaged in this branch of work. That is why, today, the big percentage of students in our general courses in *Structural Engineering* and *Bridge Engineering* are railway engineers. They are taking advantage of the opportunity these courses offer for keeping abreast of the changing requirements of their jobs.

Anticipating the desires of many thousands of other railway engineers for a more thorough training and a wider experience in modern railway structures, we have arranged two special courses—

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14th Year

WILSON ENGINEERING CORPORATION
College House Offices, Harvard Square, Cambridge, Mass.

POSITIONS VACANT

(Continued from preceding page)

SEVERAL first-class structural detailers wanted. Apply to The Owego Bridge & Iron Co., Owego, N. Y.

STRUCTURAL steel draftsman detailer and checkers on office building work. Six months' work. Only experienced men need apply. State experience fully in first letter. J. H. Heuser, 53 W. Jackson Blvd., Chicago, Illinois.

STRUCTURAL draftsman, Cincinnati District, $250 per month for first-class man. Give full details in first letter. P-622, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

STRUCTURAL detailers and checkers for general building work. Permanent positions at satisfactory rates for thoroughly competent men. Only men with extensive experience on shop drawings will be considered. Detroit Steel & Conveyor Co., 8602 Mount Elliott, Detroit, Mich.

STRUCTURAL steel detailers and designers wanted, with from one to three years' experience on mill building work. Permanent positions and chances for advancement for men who can make good. Location Northeastern Ohio. Apply by letter stating age, education, experience in detail, married or single, salary required and earliest date to report if employed. P-593, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

STRUCTURAL steel draftsmen wanted: Three or four first-class detailers, who are looking for permanent positions. None but experienced men need apply. Work offers excellent opportunity for experience and advancement to those who can produce. Write P-610, Engineering News-Record, Tenth Ave. at 36th St., New York.

STRUCTURAL steel draftsman, detailer and checker on building work. Only experienced man need apply. P-632, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

WANTED a first-class all-around office man, who is familiar and has had practical experience in a steel and ornamental factory office. Must be capable and understand the business. Address P. O. Box 1151, Jacksonville, Fla.

WANTED bridge draftsmen designers and tracers. Submit sample of work, personal snapshot and record. State salary requested and time needed to report. C. A. Melick, Bridge Engineer, State Highway Dept., Lansing, Mich.

WANTED two experienced engineers in general land surveying, must be capable of taking charge of party in field, good computers and draftsmen. Salary $200 month. Apply to H. F. Bishop, Westhampton Beach, N. Y.

WELL-known New York building firm operating in Florida, has unusual opening for general superintendent to handle Florida operations. Wide experience in all kinds of construction required, particularly reinforced concrete and must be good executive. Salary $125 per week. No application will be considered which does not state in first letter full particulars regarding experience, giving names of firms by whom employed. P-636, Engineering News-Record, Tenth Ave. at 36th St., New York.

Learn Estimating and Construction Management
through practical spare time study course.
Full particulars sent upon request.
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POSITIONS VACANT

YOUNG structural engineer wanted, with experience in structural detailing, bright, ambitious, hard worker, pleasant personality, to detail, estimate, design and sell structural steelwork for fabricating concern. Moderate salary to start, with wonderful future and bonus if satisfactory. State age, education, experience, references, salary, and also send sample of detailing. P-629, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

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EXECUTIVES, engineers, find our individual, confidential service effective in making new connections. Personally conducted by Mr. Jacob Penn, the eminent employment authority, known to leading business men throughout America. Refund agreement protects you. Not agency. Jacob Penn, Incorporated, 305 Broadway, New York.

SALARIED men seeking tentative offers of new connections, are invited to communicate confidentially with the undersigned, who will negotiate overtures without jeopardy to present connections. A professional, ethical service, restricted to high grade positions; established 1910. Retaining fee refunded as provided in our "Refund Contract" if service is not satisfactorily rendered as per contract, and such refund be requested within three months from date remitted. Send name and address only for particulars. R. W. Bixby, Inc., 268 Main St. (Suite 701), Buffalo, N. Y.

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GENERAL Engineering Agency, Emich Bldg., Pittsburgh, Pa., require for Eastern, Southern, Middle Western proposals; bridge, structural designers checkers, detailers, 30 required. Reinforced concrete, architectural draftsmen, railway draftsmen, oil refineries, hydraulic works, townsites, hotels, apartments, industrial and public works construction. Railway instrumentmen, land and mine surveyors. Latin-American engineer-foreman plantation developments. Plant engineers, design and maintenance. New York City openings for fifteen draftsmen.

POSITIONS WANTED

Civil Engineers

CIVIL engineer, graduate from Chinese and American universities and having several years of American engineering experiences wants position with American engineering and contracting concerns in China. PW-556, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

CIVIL engineer, graduate, 28 years, single; 8 months harbor and building construction, 6 months power-station construction, 3 years powerstudies, streamflowstudies, layout, estimates, design, specifications for hydro-electric projects. Languages—English, French, German, Dutch. Seeks permanent position, location immaterial. Now employed, earning $300. Available on short notice. PW-536, Engineering News-Record, Tenth Ave. at 36th St., New York.

CIVIL ENGINEER, age 43, experienced steel plant, hydro-electric, general construction and realty developments. Can design in office, execute in field and handle men. Industrious and reliable. PW-601, Engineering News-Record, Leader News Bldg., Cleveland, Ohio.

GRADUATE civil engineer wants permanent position; opportunity for advancement more important than salary. Experience in railroad maintenance of way and coal mine surveying. PW-583, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

POSITIONS WANTED

YOUNG man, 25, anxious to break into civil engineering, keen, ambitious and trustworthy, with no encumbrances, willing to go anywhere. Anxious to learn thoroughly bridge and dam engineering. Slight knowledge of drafting. Trial asked. Dickens, Box 870, Ingersoll, Ontario, Canada.

YOUNG civil engineer, university graduate, five years' varied experience, chiefly highways. Desirous of permanent connection with engineering or contracting firm. PW-580, Engineering News-Record, 7 So. Dearborn St., Chicago, Ill.

Bridge and Structural

CONSTRUCTION and designing engineer, technical education, 25 years' experience on bridges, buildings, piers, wharves, coal tipples, drawspans, railway structures, superstructures, foundations, timber, steel, concrete. Can handle men. PW-643, Engineering News-Record, Tenth Ave. at 36th St., New York.

STRUCTURAL engineer, university graduate. Registered in state of Pennsylvania, thirty-five years of age, married. Nine years' experience designing, estimating, checking and detailing structural steel, ornamental iron and reinforced concrete for buildings and bridges and two years' experience in field on building work, desires executive position, fitted for chief engineer of plant handling structural steel and ornamental iron or as contractor's or architect's engineer. PW-540, Engineering News-Record, Real Estate Trust Bldg., Philadelphia, Pa.

Drafting and Designing

STRUCTURAL designer and draftsman in structural steel and reinforced concrete, 6 years' experience on design and detail of buildings, including specifications. PW-533, Engineering News-Record, Real Estate Trust Building, Philadelphia, Pa.

Superintendents

CONSTRUCTION engineer or assistant superintendent on construction. College graduate, 35, single, Mem. Amer. Soc. Engrs. Eleven years' varied experience on railroad construction, drainage, and irrigation, roads and bridges, and heavy sewer construction. Speak Spanish. Desire connection with reliable firm. PW-645, Engineering News-Record, Real Estate Trust Bldg., Phila., Pa.

CONSTRUCTION superintendent, age 48; eighteen years' experience. Accustomed to handling large organizations. Available at once, go anywhere. PW-637, Engineering News-Record, Tenth Ave. at 36th St., New York.

DREDGING superintendent, twenty years' experience, hydraulic and dipper dredges, large contracts. Highest reference. Available immediately. PW-634, Engineering News-Record, Tenth Ave. at 36th St., New York.

Miscellaneous

ADVERTISING engineer and sales-promotion man. Five years' engineering experience. Age 27. Available immediately. PW-641, Engineering News-Record, Tenth Ave. at 36th St., New York.

AVAILABLE as chief or assistant chief engineer with architectural, engineering or contracting engineers. Advertiser is graduate engineer, qualified by twenty years' experience in the plan, design, specifications, contracts, subcontracts, purchasing, business, office management and general supervision of construction, and consulting engineer on difficult and interesting projects. Desires permanent connection, with advancement as earned. Ready to go where wanted and work hard. Please make offer in letter stating kind of work and duties. PW-646, Engineering News-Record, Leader-News Bldg., Cleveland, Ohio.

AVAILABLE
Estimator and General Superintendent for General Contractor. 12 years' experience in charge of work and estimating on buildings, docks, reservoirs, power houses and filter plants. Capable taking charge of office or in field and producing results. Location immaterial.
PW-649, Engineering News-Record
7 South Dearborn St., Chicago, Ill.

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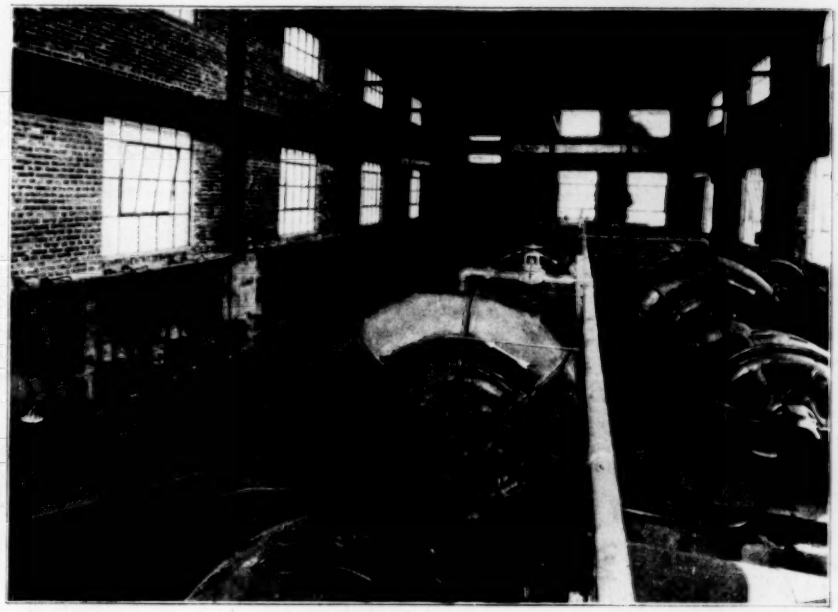

"American" 42-Inch Centrifugal Pumps on the Fairfax Drainage Job

FIVE forty-two inch and one twenty-four inch double suction, "American" centrifugal pumps have recently been installed on the Fairfax Drainage District job at Kansas City, Kansas.

Each is designed to deliver 50,000 gallons per minute against a head of fourteen feet, at 300 revolutions per minute, with an efficiency of 80 per cent. Delivering 39,000 gallons per minute, at 247 revolutions per minute, with efficiency of 82 per cent.

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Most essential to the long life of a modern pavement is the quality of *resiliency*.

Resiliency—the ability to absorb traffic impact.

Paved in 1914 with TEXACO Asphalt—Seymour Street, Lansing, Mich.

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Thirteen, fourteen and fifteen year old TEXACO Asphalt pavements owe their long and successful service chiefly to the fact that they are *resilient*.

In more than 1175 U. S. cities and towns, pavements of TEXACO Asphalt are today demonstrating the need and the value of *resilient* pavements.

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